

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

### HZN/TO 6, *Papir, karton i pulpe*

HRN EN ISO 638-1:2021 en pr  
Papir, karton, pulpa i celulozni nanomaterijali – Određivanje udjela suhog sadržaja – Metoda sušenja u pećnici – 1. dio: Materijali u krutom obliku (ISO 638-1:2021; EN ISO 638-1:2021)  
Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content – Oven-drying method – Part 1: Materials in solid form (ISO 638-1:2021; EN ISO 638-1:2021)

HRN EN ISO 638-2:2021 en pr  
Papir, karton, pulpe i celulozni nanomaterijali – Određivanje sadržaja suhe tvari metodom sušenja u peći – 2. dio: Suspenzije celuloznih nanomaterijala (ISO 638-2:2021; EN ISO 638-2:2021)  
Paper, board, pulps and cellulosic nanomaterials – Determination of dry matter content by oven-drying method – Part 2: Suspensions of cellulosic nanomaterials (ISO 638-2:2021; EN ISO 638-2:2021)

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

HRN EN ISO 14557:2021 en pr  
Vatrogasne cijevi – Gumene i plastične usisne cijevi i cijevni sklopovi (ISO 14557:2021; EN ISO 14557:2021)  
Fire-fighting hoses – Rubber and plastics suction hoses and hose assemblies (ISO 14557:2021; EN ISO 14557:2021)

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

HRN EN ISO 4254-5:2021 en pr  
Poljoprivredna mehanizacija – Sigurnost – 5. dio: Pogonjeni strojevi za obradu tla (ISO 4254-5:2018; EN ISO 4254-5:2018)  
Agricultural machinery – Safety – Part 5: Power-driven soil-working machines (ISO 4254-5:2018; EN ISO 4254-5:2018)

HRN EN 12965:2021 en pr  
Traktori i poljoprivredna i šumarska mehanizacija – Štitnici vratila za prijenos snage s traktora na strojeve i oruđa – Sigurnost (EN 12965:2019)  
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety (EN 12965:2019)

HRN EN ISO 16122-5:2021 en pr  
Poljoprivredna i šumarska mehanizacija – Inspekcija prskalica u upotrebi – 5. dio: Sustavi prskanja iz zraka (ISO 16122-5:2020; EN ISO 16122-5:2020)  
Agricultural and forestry machines – Inspection of sprayers in use – Part 5: Aerial spray systems (ISO 16122-5:2020; EN ISO 16122-5:2020)

HRN EN ISO 18497:2021 en pr  
Poljoprivredna mehanizacija i traktori – Sigurnost visoko automatiziranih poljoprivrednih strojeva – Načela projektiranja (ISO 18497:2018; EN ISO 18497:2018)  
Agricultural machinery and tractors – Safety of highly automated agricultural machines – Principles for design (ISO 18497:2018; EN ISO 18497:2018)

### HZN/TO 25, *Ljevarstvo*

HRN EN 10250-4:2021 en pr  
Čelični otkivci za inženjersku uporabu dobiveni slobodnim kovanjem – 4. dio: Nehrđajući čelici (EN 10250-4:2021)  
Open die steel forgings for general engineering purposes – Part 4: Stainless steels (EN 10250-4:2021)

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

HRN ISO 2137:2021 en pr  
Naftni proizvodi i maziva – Određivanje penetracije mazivih masti i petrolata pomoću čunja (ISO 2137:2020)  
Petroleum products and lubricants – Determination of cone penetration of lubricating greases and petrolatum (ISO 2137:2020)

HRN ISO 6249:2021 en pr  
Naftni proizvodi – Određivanje termičke oksidacijske stabilnosti goriva za plinske turbine (ISO 6249:2021)  
Petroleum products – Determination of thermal oxidation stability of gas turbine fuels (ISO 6249:2021)

HRN ISO 6614:2005/A1:2021 en pr  
Naftni proizvodi – Određivanje odjeljivosti vode iz naftnih ulja i sintetičkih tekućina (ISO 6614:1994/AMD 1:2019)  
Petroleum products – Determination of water separability of petroleum oils and synthetic fluids (ISO 6614:1994/AMD 1:2019)

HRN ISO 6743-6:2021 en pr  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Razredba – 6. dio: Podrazred C (sustavi zupčanika) (ISO 6743-6:2018)  
Lubricants, industrial oils and related products (class L) – Classification – Part 6: Family C (gear systems) (ISO 6743-6:2018)

HRN ISO 8068:2008/A1:2021 en pr  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred T (turbine) – Specifikacija za ulja za podmazivanje turbina – Amandman 1: Ispitivanje filtriranosti sukladno ISO 13357-1 i ISO 13357-2 – Zahtjevi vezani uz stupanj ispitne metode (ISO 8068:2006/Amd 1:2019)  
Lubricants, industrial oils and related products (class L) – Family T (Turbines) – Specification for lubricating oils for turbines – Amendment 1: Filterability tests according to ISO 13357-1 and ISO 13357-2 – Requirements related to the stage of the test method (ISO 8068:2006/Amd 1:2019)

HRN ISO 12925-1:2019/A1:2021 en pr  
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred C (zupčanici) – 1. dio: Specifikacije maziva za podmazivanje zatvorenih zupčaničkih prijenosnika – Amandman 1: Točka tečenja sukladno ISO 3016, za tipove CKTG, CKES, CKPG i CKPR – Promjena graničnih vrijednosti (ISO 12925-1:2018/Amd 1:2020)  
Lubricants, industrial oils and related products (class L) – Family C (gears) – Part 1: Specifications for lubricants for enclosed gear systems – Amendment 1: Pour point, according to ISO 3016, of categories CKTG, CKES, CKPG and CKPR – Change of limits (ISO 12925-1:2018/Amd 1:2020)

HRN ISO 13739:2021 en pr  
Naftni proizvodi – Postupci pretakanja brodskih goriva u plovila (ISO 13739:2020)  
Petroleum products – Procedures for the transfer of bunkers to vessels (ISO 13739:2020)

### HZN/TO 43, *Akustika*

HRN EN ISO 10140-1:2021 en pr  
Akustika – Laboratorijsko mjerenje zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode (ISO 10140-1:2021; EN ISO 10140-1:2021)  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2021; EN ISO 10140-1:2021)

HRN EN ISO 11202:2010/A1:2021 en pr  
Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima primjenom približnih korekcija utjecaja okoliša (ISO 11202:2010/Amd 1:2020; EN ISO 11202:2010/A1:2021)  
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections (ISO 11202:2010/Amd 1:2020; EN ISO 11202:2010/A1:2021)

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

HRN ISO 3166-2:2021 en pr  
Kodovi za označivanje imena država i njihovih pokrajina – 2. dio: Kodovi državnih pokrajina (ISO 3166-2:2020)  
Codes for the representation of names of countries and their subdivisions – Part 2: Country subdivision code (ISO 3166-2:2020)

HRN ISO 3166-3:2021 en pr  
Kodovi za označivanje imena država i njihovih pokrajina – 3. dio: Kodovi bivših imena država (ISO 3166-3:2020)  
Codes for the representation of names of countries and their subdivisions – Part 3: Code for formerly used names of countries (ISO 3166-3:2020)

HRN ISO 3297:2021 en pr  
Informacije i dokumentacija – Međunarodni standardni broj serijske publikacije (ISSN) (ISO 3297:2020)  
Information and documentation – International standard serial number (ISSN) (ISO 3297:2020)

HRN ISO 14289-1:2021 en pr  
Aplikacije za upravljanje dokumentima — Poboľšanje formata datoteke elektroničkog dokumenta radi pristupačnosti — 1. dio: Uporaba ISO 32000-1 (PDF/UA-1) (ISO 14289-1:2014)  
Document management applications – Electronic document file format enhancement for accessibility – Part 1: Use of ISO 32000-1 (PDF/UA-1) (ISO 14289-1:2014)

HRN ISO 16175-1:2021 en pr  
Informacije i dokumentacija – Procesi i funkcionalni zahtjevi za programsku podršku za upravljanje zapisima – 1. dio: Funkcionalni zahtjevi i pridružene upute za aplikacije koje upravljaju digitalnim zapisima (ISO 16175-1:2020)  
Information and documentation – Processes and functional requirements for software for managing records – Part 1: Functional requirements and associated guidance for any applications that manage digital records (ISO 16175-1:2020)

HRN ISO 19005-2:2021 en pr  
Upravljanje dokumentima – Format datoteke elektroničkog dokumenta za dugoročnu zaštitu – 2. dio: Uporaba ISO 32000-1 (PDF/A-2) (ISO 19005-2:2011)  
Document management – Electronic document file format for long-term preservation – Part 2: Use of ISO 32000-1 (PDF/A-2) (ISO 19005-2:2011)

HRN ISO 19005-3:2021 en pr  
Upravljanje dokumentima – Format datoteke elektroničkog dokumenta za dugoročnu zaštitu – 3. dio: Uporaba ISO 32000-1 s podrškom za ugrađene datoteke (PDF/A-3) (ISO 19005-3:2012)  
Document management – Electronic document file format for long-term preservation – Part 3: Use of ISO 32000-1 with support for embedded files (PDF/A-3) (ISO 19005-3:2012)

HRN ISO 19005-4:2021 en pr  
Upravljanje dokumentima – Format datoteke elektroničkog dokumenta za dugoročnu zaštitu – 4. dio: Uporaba ISO 32000-2 (PDF/A-4) (ISO 19005-4:2020)  
Document management – Electronic document file format for long-term preservation – Part 4: Use of ISO 32000-2 (PDF/A-4) (ISO 19005-4:2020)

## HZN/TO 74, Cement i vapno

HRN EN 197-5:2021 en pr  
Cement – 5. dio: Miješani portlandski cement CEM II/C-M i miješani cement CEM VI (EN 197-5:2021)  
Cement – Part 5: Portland-composite cement CEM II/C-M and Composite cement CEM VI (EN 197-5:2021)

## HZN/TO 92, Zaštita od požara

HRN EN 17020-4:2021 en pr  
Proširena primjena rezultata ispitivanja trajnosti samozatvaranja za vrata i prozore koji se mogu otvoriti – 4. dio: Trajnost samozatvaranja zaokretnih i okretnih ostakljenih vrata i prozora koji se mogu otvoriti s metalnim okvirom otpornih na požar i/ili s kontrolom propusnosti dima (EN 17020-4:2021)  
Extended application of test results on durability of self-closing for doorsets and openable windows – Part 4: Durability of self-closing of fire resistance and/or smoke control hinged and pivoted metal framed glazed doorsets and openable windows (EN 17020-4:2021)

## HZN/TO 120, Koža i obuća

HRN EN ISO 14931:2021 en pr  
Koža – Koža za odjeću (osim krzna) – Specifikacije i postupci uzorkovanja (ISO 14931:2021; EN ISO 14931:2021)  
Leather – Leather for apparel (excluding furs) – Specifications and sampling procedures (ISO 14931:2021; EN ISO 14931:2021)

HRN EN ISO 18219-1:2021 en pr  
Koža – Određivanje kloriranih ugljikovodika u koži – 1. dio: Kromatografska metoda za kratkolančane klorirane parafine (SCCPs) (ISO 18219-1:2021; EN ISO 18219-1:2021)  
Leather – Determination of chlorinated hydrocarbons in leather – Part 1: Chromatographic method for short-chain chlorinated paraffins (SCCPs) (ISO 18219-1:2021; EN ISO 18219-1:2021)

HRN EN ISO 18219-2:2021 en pr  
Koža – Određivanje kloriranih ugljikovodika u koži – 2. dio: Kromatografska metoda za srednjelančane klorirane parafine (MCCP) (ISO 18219-2:2021; EN ISO 18219-2:2021)  
Leather – Determination of chlorinated hydrocarbons in leather – Part 2: Chromatographic method for middle-chain chlorinated paraffins (MCCPs) (ISO 18219-2:2021; EN ISO 18219-2:2021)

## HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 3452-1:2021 en pr  
Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (ISO 3452-1:2021; EN ISO 3452-1:2021)  
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2021; EN ISO 3452-1:2021)

HRN EN ISO 3452-2:2021 en pr  
Nerazorno ispitivanje – Ispitivanje penetrantima – 2. dio: Ispitivanje penetrantnih materijala (ISO 3452-2:2021; EN ISO 3452-2:2021)  
Non-destructive testing – Penetrant testing – Part 2: Testing of penetrant materials (ISO 3452-2:2021; EN ISO 3452-2:2021)

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

HRN ISO 4427-1:2021 en pr  
Plastični tlačni cijevni sustavi za opskrbu vodom, odvodnju i kanalizaciju – Polietilen (PE) – 1. dio: Općenito (ISO 4427-1:2019)  
Plastics piping systems for water supply and for drainage and sewerage under pressure – Polyethylene (PE) – Part 1: General (ISO 4427-1:2019)

HRN ISO 4427-2:2021 en pr  
Plastični tlačni cijevni sustavi za opskrbu vodom, odvodnju i kanalizaciju – Polietilen (PE) – 2. dio: Cijevi (ISO 4427-2:2019)  
Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 2: Pipes (ISO 4427-2:2019)

HRN ISO 4427-3:2021 en pr  
Plastični tlačni cijevni sustavi za opskrbu vodom, odvodnju i kanalizaciju – Polietilen (PE) – 3. dio: Spojnice (ISO 4427-3:2019)  
Plastics piping systems for water supply, and for drainage and sewerage under pressure – Polyethylene (PE) – Part 3: Fittings (ISO 4427-3:2019)

HRN ISO 4427-5:2021 en pr  
Plastični tlačni cijevni sustavi za opskrbu vodom, odvodnju i kanalizaciju – Polietilen (PE) – 5. dio: Prikladnost sustava za uporabu (ISO 4427-5:2019)  
Plastics piping systems for water supply; and for drainage and sewerage under pressure – Polyethylene (PE) – Part 5: Fitness for purpose of the system (ISO 4427-5:2019)

HRN ISO 4437-1:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 1. dio: Općenito (ISO 4437-1:2014)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General (ISO 4437-1:2014)

HRN ISO 4437-2:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 2. dio: Cijevi (ISO 4437-2:2014)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes (ISO 4437-2:2014)

HRN ISO 4437-3:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 3. dio: Spojnice (ISO 4437-3:2014)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings (ISO 4437-3:2014)

HRN ISO 4437-4:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 4. dio: Ventili (ISO 4437-4:2015)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 4: Valves (ISO 4437-4:2015)

HRN ISO 4437-5:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 5. dio: Prikadnost sustava za uporabu (ISO 4437-5:2014)  
Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system (ISO 4437-5:2014)

HRN ISO 10468:2021 en pr  
Staklom ojačane duromerne (GRP) cijevi – Određivanje obodne krutosti zbog puzanja (ISO 10468:2018)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the ring creep properties under wet or dry conditions (ISO 10468:2018)

HRN ISO 10471:2021 en pr  
Staklom ojačane duromerne (GRP) cijevi – Određivanje konačne dugotrajne savojne deformacije i konačnoga dugotrajnog relativnog obodnog progiba pri vlažnim uvjetima (ISO 10471:2018)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions (ISO 10471:2018)

HRN EN ISO 11296-4:2018/A1:2021 en pr  
Plastični cijevni sustavi za obnavljanje podzemnih netlačnih mreža za odvodnju i kanalizaciju – 4. dio: Obnavljanje nanošenjem strukturiranih duromernih slojeva na terenu – Amandman 1: Posuvremenjene definicije, zahtjevi za označavanje i postupci za alternativno izražavanje rezultata ispitivanja na savijanje (ISO 11296-4:2018/Amd 1:2021; EN ISO 11296-4:2018/A1:2021)  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 4: Lining with cured-in-place pipes – Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results (ISO 11296-4:2018/Amd 1:2021; EN ISO 11296-4:2018/A1:2021)

HRN ISO 12176-1:2021 en pr  
Plastične cijevi i spojnice – Oprema za spajanje polietilenskih sustava zavarivanjem – 1. dio: Sučeono zavarivanje (ISO 12176-1:2017)  
Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 1: Butt fusion (ISO 12176-1:2017)

HRN EN ISO 16486-5:2021 en pr  
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Cijevni sustavi od neomekšanog poliamida (PA-U) sa zavarivanjem i mehaničkim spajanjem – 5. dio: Prikadnost sustava za uporabu (ISO 16486-5:2021; EN ISO 16486-5:2021)  
Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 5: Fitness for purpose of the system (ISO 16486-5:2021; EN ISO 16486-5:2021)

## HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 17225-2:2021 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 2. dio: Klasifikacija drvnih peleta (ISO 17225-2:2021; EN ISO 17225-2:2021)  
Solid biofuels – Fuel specifications and classes – Part 2: Graded wood pellets (ISO 17225-2:2021; EN ISO 17225-2:2021)

HRN EN ISO 23343-1:2021 en pr  
Čvrsta biogoriva – Određivanje adsorpcije vode i njezina utjecaja na izdržljivost termički tretiranih biogoriva – 1. dio: Peleti (ISO 23343-1:2021; EN ISO 23343-1:2021)  
Solid biofuels – Determination of water adsorption and its effect on durability of thermally treated biomass fuels – Part 1: Pellets (ISO 23343-1:2021; EN ISO 23343-1:2021)

## HZN/TO 307, Ulančani blokovi i tehnologija distribuirane glavne knjige

HRI ISO/TR 23244:2021 en pr  
Ulančani blokovi i tehnologija distribuirane glavne knjige – Razmatranje zaštite povjerljivih i osobnih identifikacijskih podataka (ISO/TR 23244:2020)  
Blockchain and distributed ledger technologies – Privacy and personally identifiable information protection considerations (ISO/TR 23244:2020)

HRI ISO/TR 23455:2021 en pr  
Ulančani blokovi i tehnologija distribuirane glavne knjige – Pregled i uzajamno djelovanje pametnih ugovora i sustava ulančanih blokova i tehnologije distribuirane glavne knjige (ISO/TR 23455:2019)  
Blockchain and distributed ledger technologies – Overview of and interactions between smart contracts in blockchain and distributed ledger technology systems (ISO/TR 23455:2019)

HRI ISO/TR 23576:2021 en pr  
Ulančani blokovi i tehnologija distribuirane glavne knjige – Upravljanje informacijskom sigurnošću čuvara digitalne imovine (ISO/TR 23576:2020)  
Blockchain and distributed ledger technologies – Security management of digital asset custodians (ISO/TR 23576:2020)

## HZN/TO 503, Metalni materijali

HRN EN ISO 683-5:2021 en pr  
Toplinski obradivi čelici, legirani čelici i čelici za obradu na automatima – 5. dio: Čelici za nitriranje (ISO 683-5:2017; EN ISO 683-5:2021)  
Heat treatable steels, alloy steels and free-cutting steels – Part 5: Nitriding steels (ISO 683-5:2017; EN ISO 683-5:2021)

HRN EN 1254-1:2021 en pr  
Bakar i legure bakra – Vodovodne spojnice – 1. dio: Spojnice za kapilarno meko i tvrdo lemljenje bakrenih cijevi (EN 1254-1:2021)  
Copper and copper alloys – Plumbing fittings – Part 1: Capillary fittings for soldering or brazing to copper tubes (EN 1254-1:2021)

HRN EN 1254-2:2021 en pr  
Bakar i legure bakra – Vodovodne spojnice – 2. dio: Stezne spojnice za upotrebu s bakrenim cijevima (EN 1254-2:2021)  
Copper and copper alloys – Plumbing fittings – Part 2: Compression fittings for use with copper tubes (EN 1254-2:2021)

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

HRN EN 1254-4:2021 en pr  
Bakar i legure bakra – Vodovodne spojnice – 4. dio: Navojne spojnice (EN 1254-4:2021)  
Copper and copper alloys – Plumbing fittings – Part 4: Threaded fittings (EN 1254-4:2021)

HRN EN 1254-5:2021 en pr  
Bakar i legure bakra – Vodovodne spojnice – 5. dio: Spojnice s kraćim utičnim krajevima za kapilarno tvrdo lemljenje bakrenih cijevi (EN 1254-5:2021)  
Copper and copper alloys – Plumbing fittings – Part 5: Capillary fittings with short ends for brazing to copper tubes (EN 1254-5:2021)

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

HRN EN 1254-7:2021 en pr  
Bakar i legure bakra – Vodovodne spojnice – 7. dio: Spojnice s krajevima za utiskivanje za upotrebu s metalnim cijevima (EN 1254-7:2021)  
Copper and copper alloys – Plumbing fittings – Part 7: Press fittings for use with metallic tubes (EN 1254-7:2021)

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

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

HRN EN 13601:2021 en pr  
Bakar i legure bakra – Bakrena vučena žica, šipka i žica za opću primjenu u elektrotehnici (EN 13601:2021)  
Copper and copper alloys – Copper rod, bar and wire for general electrical purposes (EN 13601:2021)

HRN EN 13603:2021 en pr  
Bakar i legure bakra – Metode ispitivanja za ocjenu zaštitnih kositrenih prevlaka na vučenoj okrugloj bakrenoj žici za primjenu u elektrotehnici (EN 13603:2021)  
Copper and copper alloys – Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes (EN 13603:2021)

HRN EN 13605:2021 en pr  
Bakar i legure bakra – Bakreni profili i profilirana žica za primjenu u elektrotehnici (EN 13605:2021)  
Copper and copper alloys – Copper profiles and profiled wire for electrical purposes (EN 13605:2021)

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

HRN EN ISO 1463:2021 en pr  
Metalne i oksidne prevlake – Mjerenje debljine prevlake – Mikroskopska metoda (ISO 1463:2021; EN ISO 1463:2021)  
Metallic and oxide coatings – Measurement of coating thickness – Microscopical method (ISO 1463:2021; EN ISO 1463:2021)

HRN EN ISO 3613:2021 en pr  
Metalne i druge anorganske prevlake – Kromatne konverzijske prevlake na cinku, kadmiju, aluminij-cinkovim legurama i cink-aluminijevim legurama – Metode ispitivanja (ISO 3613:2021; EN ISO 3613:2021)  
Metallic and other inorganic coatings – Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods (ISO 3613:2021; EN ISO 3613:2021)

#### **HZN/TO 521, Usluge održavanja**

HRN EN 17485:2021 en pr  
Održavanje – Održavanje unutar upravljanja fizičkom imovinom – Okvir za podizanje vrijednosti fizičke imovine tijekom cjeloživotnog ciklusa (EN 17485:2021)  
Maintenance – Maintenance within physical asset management – Framework for improving the value of the physical assets through their whole life cycle (EN 17485:2021)

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

HRS CEN/TS 13103-2:2021 en pr  
Željeznički sustav – Osovinski sklopovi i okretna postolja – 2. dio: Metoda projektiranja za osovine sa unutrašnjim uležištenjem (CEN/TS 13103-2:2020)  
Railway applications – Wheelsets and bogies – Part 2: Design method for axles with internal journals (CEN/TS 13103-2:2020)

HRI CEN/TR 14067-7:2021 en pr  
Željeznički sustav – Aerodinamika – 7. dio: Osnove postupaka ispitivanja prštanja iz zastorne prizme (CEN/TR 14067-7:2021)  
Railway applications – Aerodynamics – Part 7: Fundamentals for test procedures for train-induced ballast projection (CEN/TR 14067-7:2021)

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

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

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

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

HRI CEN/TR 15654-3:2021 en pr  
Željeznički sustav – Mjerenje vertikalnih sila na kotačima i osovinskim sklopovima – 3. dio: Odobranje i verifikacija mjesta za mjerenje na kolosijeku za vozila u uporabi (CEN/TR 15654-3:2019)  
Railway applications – Measurement of vertical forces on wheels and wheelsets – Part 3: Approval and verification of on track measurement sites for vehicles in service (CEN/TR 15654-3:2019)

HRI CEN/TR 17039:2021 en pr  
Željeznički sustav – Tehnički izvještaj o reviziji norme EN 14363 (CEN/TR 17039:2017)  
Railway applications – Technical Report about the revision of EN 14363 (CEN/TR 17039:2017)

HRI CEN/TR 17315:2021 en pr  
Željeznički sustav – Kočenje – Proračuni za procjenu zaustavnog puta za ispitivanje zaštite od proklizavanja (CEN/TR 17315:2019)  
Railway applications – Braking – Calculations for the estimation of stopping distance for specific Wheel Slide Protection testing (CEN/TR 17315:2019)

HRI CEN/TR 17320:2021 en pr  
Željeznički sustav – Infrastruktura – Određivanje laboratorijskih ispitnih parametara za procjenjivanje mehaničke izdržljivosti kolosiječni pričvrtni pribor – Dodatni elementi (CEN/TR 17320:2019)  
Railway applications – Infrastructure – Determination of laboratory test parameters for assessing the mechanical durability of rail fastening systems – Complementary element (CEN/TR 17320:2019)

HRI CEN/TR 17373:2021 en pr  
Željeznički sustav – Željeznička vozila – Istraživanje položaja vozila u S zavoju kolosijeka tijekom vožnje i proračun preklopa odbojnika (CEN/TR 17373:2019)  
Railway applications – Railway rolling stock – Investigation of vehicles position on the reverse curve tracks during running and calculation of buffer overlap (CEN/TR 17373:2019)

HRI CEN/TR 17420:2021 en pr  
Željeznički sustav – Konstrukcija čela tramvaja i lakih željezničkih vozila s obzirom na sigurnost pješaka (CEN/TR 17420:2020)  
Railway applications – Vehicle end design for trams and light rail vehicles with respect to pedestrian safety (CEN/TR 17420:2020)

HRI CEN/TR 17498:2021 en pr  
Željeznički sustav – Infrastruktura – Strojevi za održavanje za održavanje i pregled infrastrukture prilagođeni za kretanje kolosijekom i pripadajuća oprema – Objašnjenje vrsta strojeva i usklađenosti, uključujući postupke odobranja (CEN/TR 17498:2020)  
Railway applications – Infrastructure – Rail mounted railway maintenance and inspection machines and associated equipment – Explanation of machine type and compliance, including acceptance processes (CEN/TR 17498:2020)

HRN CEN/TR 17532:2021 en pr  
Željeznički sustav – Zaštita od požara na željezničkim vozilima – Procjena sustava za suzbijanje i kontrolu požara za željeznička vozila (CEN/TR 17532:2020)  
Railway applications – Fire protection on railway vehicles – Assessment of fire containment and control systems for railway vehicles (CEN/TR 17532:2020)

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

HRN ISO 4301-2:2021 en pr  
Granici – Podjela u pogonske skupine – 2. dio: Mobilni granici (ISO 4301-2:2020)  
Cranes – Classification – Part 2: Mobile cranes (ISO 4301-2:2020)

HRN ISO 7296-2:2021 en pr  
Granici – Grafički simboli – 2. dio: Mobilni granici (ISO 7296-2:2020)  
Cranes – Graphical symbols – Part 2: Mobile cranes (ISO 7296-2:2020)

HRN ISO 8686-2:2021 en pr  
Granici – Proračunska opterećenja i njihove kombinacije – 2. dio: Mobilni granici (ISO 8686-2:2018)  
Cranes – Design principles for loads and load combinations – Part 2: Mobile cranes (ISO 8686-2:2018)

HRN ISO 8686-3:2021 en pr  
Granici – Proračunska opterećenja i njihove kombinacije – 3. dio: Toranjski granici (ISO 8686-3:2018)  
Cranes – Design principles for loads and load combinations – Part 3: Tower cranes (ISO 8686-3:2018)

HRN ISO 9942-3:2021 en pr  
Granici – Identifikacijske oznake – 3. dio: Toranjski granici (ISO 9942-3:2020)  
Cranes – Information labels – Part 3: Tower cranes (ISO 9942-3:2020)

HRN ISO 10245-1:2021 en pr  
Granici – Uređaji za ograničavanje i signaliziranje – 1. dio: Općenito (ISO 10245-1:2021)  
Cranes – Limiting and indicating devices – Part 1: General (ISO 10245-1:2021)

HRN ISO 10245-3:2021 en pr  
Granici – Uređaji za ograničavanje i signaliziranje – 3. dio: Toranjski granici (ISO 10245-3:2019)  
Cranes – Limiting and indicating devices – Part 3: Tower cranes (ISO 10245-3:2019)

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

HRN EN ISO 1402:2021 en pr  
Gumena i plastična crijeva i crijevni uređaji – Hidrostatičko ispitivanje (ISO 1402:2021; EN ISO 1402:2021)  
Rubber and plastics hoses and hose assemblies – Hydrostatic testing (ISO 1402:2021; EN ISO 1402:2021)

HRN EN ISO 7233:2021 en pr  
Gumena i plastična crijeva i crijevni sklopovi – Određivanje podtladne čvrstoće (ISO 7233:2021; EN ISO 7233:2021)  
Rubber and plastics hoses and hose assemblies – Determination of resistance to vacuum (ISO 7233:2021; EN ISO 7233:2021)

HRN EN ISO 14632:2021 en pr  
Ekstrudirane polietilenske ploče (PE-HD) – Zahtjevi i metode ispitivanja (ISO 14632:2021; EN ISO 14632:2021)  
Extruded sheets of polyethylene (PE-HD) – Requirements and test methods (ISO 14632:2021; EN ISO 14632:2021)

HRN EN 15344:2021 en pr  
Plastika – Reciklirana plastika – Karakterizacija polietilenskih (PE) reciklata (EN 15344:2021)  
Plastics – Recycled plastics – Characterisation of Polyethylene (PE) recyclates (EN 15344:2021)

HRN EN 16296:2021 en pr  
Nesavršenosti u termoplastičnim zavarenim spojevima – Razine kvalitete (EN 16296:2021)  
Imperfections in thermoplastics welded joints – Quality levels (EN 16296:2021)

HRN EN 17508:2021 en pr  
Plastika – Profili od neomekšanog poliv(vinil-klorida) (PVC-U) za izradu prozora i vrata – Nazivlje za materijale na osnovi PVC-a (EN 17508:2021)  
Plastics – Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Terminology of PVC based materials (EN 17508:2021)

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

HRN EN 1627:2021 en pr  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Zahtjevi i razredba (EN 1627:2021)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification (EN 1627:2021)

HRN EN 1628:2021 en pr  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Metoda ispitivanja za određivanje otpornosti pod statičkim opterećenjem (EN 1628:2021)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under static loading (EN 1628:2021)

HRN EN 1629:2021 en pr  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Metoda ispitivanja za određivanje otpornosti pod dinamičkim opterećenjem (EN 1629:2021)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under dynamic loading (EN 1629:2021)

HRN EN 1630:2021 en pr  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu priručnim alatom (EN 1630:2021)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance to manual burglary attempts (EN 1630:2021)

HRN EN 16758:2021 en pr  
Ovještene fasade – Određivanje čvrstoće posmičnih spojeva – Metoda ispitivanja i zahtjevi (EN 16758:2021)  
Curtain walling – Determination of the strength of sheared connections – Test method and requirements (EN 16758:2021)

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

HRN EN ISO 7083:2021 en pr  
Tehnička dokumentacija proizvoda – Simboli korišteni u tehničkoj dokumentaciji proizvoda – Proporcije i dimenzije (ISO 7083:2021; EN ISO 7083:2021)  
Technical Product Documentation – Symbols used on technical product documentation – Proportions and dimensions (ISO 7083:2021; EN ISO 7083:2021)

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

HRN CR 14378:2004/Ispr.1:2021 en pr  
Ventilacija u zgradama – Probno utvrđivanje koeficijentata gubitka mehaničke energije dijelova ventilacijskih uređaja (CR 14378:2002/AC:2002)  
Ventilation for buildings – Experimental determination of mechanical energy loss coefficients of air handling components (CR 14378:2002/AC:2002)

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

HRS CEN/TS 17623:2021 en pr  
BIM Svojstva za rasvjetu – Svjetiljke i senzori (CEN/TS 17623:2021)  
BIM Properties for lighting – Luminaires and sensing devices (CEN/TS 17623:2021)

## HZN/TO 550, *Opskrba vodom*

HRN EN 1018:2021 en pr  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kalcijev karbonat (EN 1018:2021)  
Chemicals used for treatment of water intended for human consumption – Calcium carbonate (EN 1018:2021)

HRN EN 1488:2021 en pr  
Ventili u zgradama – Ekspanzijske skupine – Ispitivanja i zahtjevi (EN 1488:2021)  
Building valves – Expansion groups – Tests and requirements (EN 1488:2021)

## HZN/TO 555, *Medicinski proizvodi*

HRN EN ISO 13408-6:2021 en pr  
Aseptički postupci za proizvode zdravstvene zaštite – 6. dio: Sustavi izolacije (ISO 13408-6:2021; EN ISO 13408-6:2021)  
Aseptic processing of health care products – Part 6: Isolator systems (ISO 13408-6:2021; EN ISO 13408-6:2021)

HRN EN ISO 17511:2021 en pr  
Medicinski proizvodi za in vitro dijagnostiku – Zahtjevi za uspostavljanje mjeriteljske sljedivosti vrijednosti dodijeljenih kalibratorima, tvarima za nadzor istinitosti i uzorcima ljudskog tkiva (ISO 17511:2020; EN ISO 17511:2021)  
In vitro diagnostic medical devices – Requirements for establishing metrological traceability of values assigned to calibrators, trueness control materials and human samples (ISO 17511:2020; EN ISO 17511:2021)

HRN EN ISO 20184-3:2021 en pr  
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za procese prije ispitivanja za zamrznuto tkivo – 3. dio: Izolirana DNK (ISO 20184-3:2021; EN ISO 20184-3:2021)  
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for frozen tissue – Part 3: Isolated DNA (ISO 20184-3:2021; EN ISO 20184-3:2021)

HRN EN ISO 23118:2021 en pr  
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za postupke prije ispitivanja u metabolomici urina, seruma i plazme iz venske krvi (ISO 23118:2021; EN ISO 23118:2021)  
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes in metabolomics in urine, venous blood serum and plasma (ISO 23118:2021; EN ISO 23118:2021)

HRN EN ISO 80369-7:2021 en pr  
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 7. dio: Spojnici za intravaskularnu ili potkožnu primjenu (ISO 80369-7:2021; EN ISO 80369-7:2021)  
Small-bore connectors for liquids and gases in healthcare applications – Part 7: Connectors for intravascular or hypodermic applications (ISO 80369-7:2021; EN ISO 80369-7:2021)

## HZN/TO 560, *Tekstilni proizvodi*

HRN EN ISO 2313-1:2021 en pr  
Tekstil – Određivanje oporavka nakon gužvanja presavijenog uzorka tkanine mjerenjem kuta oporavka – 1. dio: Metoda vodoravno presavijenog uzorka (ISO 2313-1:2021; EN ISO 2313-1:2021)  
Textiles – Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery – Part 1: Method of the horizontally folded specimen (ISO 2313-1:2021; EN ISO 2313-1:2021)

HRN EN ISO 2313-2:2021 en pr  
Tekstil – Određivanje oporavka nakon gužvanja presavijenog uzorka tkanine mjerenjem kuta oporavka – 2. dio: Metoda vertikalno presavijenog uzorka (ISO 2313-2:2021; EN ISO 2313-2:2021)  
Textiles – Determination of the recovery from creasing of a folded specimen of fabric by measuring the angle of recovery – Part 2: Method of the vertically folded specimen (ISO 2313-2:2021; EN ISO 2313-2:2021)

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

HRN EN ISO 18119:2018/A1:2021 en pr  
Plinske boce – Plinske boce i cijevi od nehrđajućeg čelika i nehrđajuće aluminijeve legure – Periodični pregled i ispitivanje (ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021)  
Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes – Periodic inspection and testing (ISO 18119:2018/Amd 1:2021; EN ISO 18119:2018/A1:2021)

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

HRN EN 1114-3:2021 en pr  
Strojevi za gumu i plastiku – Ekstruderi i linije za ekstrudiranje – 3. dio: Sigurnosni zahtjevi za izvlačenje (EN 1114-3:2019)  
Plastics and rubber machines – Extruders and extrusion lines – Part 3: Safety requirements for haul-offs (EN 1114-3:2019)

HRN EN 1612:2021 en pr  
Strojevi za plastiku i gumu – Strojevi za oblikovanje kalupljenjem – Sigurnosni zahtjevi (EN 1612:2019)  
Plastics and rubber machines – Reaction moulding machines and plants – Safety requirements (EN 1612:2019)

HRN EN 12301:2021 en pr  
Strojevi za gumu i plastiku – Strojevi za izradu folija – Sigurnosni zahtjevi (EN 12301:2019)  
Plastics and rubber machines – Calenders – Safety requirements (EN 12301:2019)

HRN EN ISO 19085-7:2021 en pr  
Strojevi za obradu drva – Sigurnost – 7. dio: Strojevi za blanjanje površina, strojevi za blanjanje na debljinu i kombinirani strojevi za blanjanje površina i blanjanje na debljinu (ISO 19085-7:2019; EN ISO 19085-7:2019)  
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines (ISO 19085-7:2019; EN ISO 19085-7:2019)

HRN EN ISO 19085-9:2021 en pr  
Strojevi za obradu drveta – Sigurnost – 9. dio: Kružne stolne pile (sa i bez klizne ploče) (ISO 19085-9:2019; EN ISO 19085-9:2020)  
Woodworking machines – Safety – Part 9: Circular saw benches (with and without sliding table) (ISO 19085-9:2019; EN ISO 19085-9:2020)

## HZN/TO 563, *Sigurnost strojeva*

HRN EN 1034-1:2021 en pr  
Sigurnost strojeva – Sigurnosni zahtjevi za projektiranje i konstrukciju strojeva za izradu i završnu obradu papira – 1. dio: Opći zahtjevi (EN 1034-1:2021)  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 1: Common requirements (EN 1034-1:2021)

HRN EN 1672-2:2021 en pr  
Strojevi za preradu hrane – Osnovni pojmovi – 2. dio: Higijenski zahtjevi (EN 1672-2:2020)  
Food processing machinery – Basic concepts – Part 2: Hygiene and cleanability requirements (EN 1672-2:2020)

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

HRN EN ISO 14501:2021 en pr  
Mlijeko i mlijeko u prahu – Određivanje sadržaja aflatoksina M1 – Pročišćavanje pomoću imunoafinitetne kromatografije i određivanje pomoću tekućinske kromatografije visoke učinkovitosti (ISO 14501:2021; EN ISO 14501:2021)  
Milk and milk powder – Determination of aflatoxin M1 content – Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography (ISO 14501:2021; EN ISO 14501:2021)

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

HRN EN ISO 23036-1:2021 en pr  
Mikrobiologija u lancu hrane – Metode dokazivanja ličinki trećeg stupnja oblića iz porodice Anisakidae u ribama i proizvodima ribarstva – 1. dio: Metoda prosvjetljavanja UV-svjetlom (ISO 23036-1:2021; EN ISO 23036-1:2021)  
Microbiology of the food chain – Methods for the detection of Anisakidae L3 larvae in fish and fishery products – Part 1: UV-press method (ISO 23036-1:2021; EN ISO 23036-1:2021)

HRN EN ISO 23036-2:2021 en pr  
Mikrobiologija u lancu hrane – Metode dokazivanja ličinki trećeg stupnja oblića iz porodice Anisakidae u ribama i proizvodima ribarstva – 2. dio: Metoda umjetne probave (ISO 23036-2:2021; EN ISO 23036-2:2021)  
Microbiology of the food chain – Methods for the detection of Anisakidae L3 larvae in fish and fishery products – Part 2: Artificial digestion method (ISO 23036-2:2021; EN ISO 23036-2:2021)



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

HRN EN ISO 21640:2021 en pr  
Kruta oporabljena goriva – Specifikacije i klase (ISO 21640:2021; EN ISO 21640:2021)  
Solid recovered fuels – Specifications and classes (ISO 21640:2021; EN ISO 21640:2021)

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

HRN EN IEC 60773:2021 en pr  
Rotacijski električni strojevi – Metode ispitivanja i oprema za mjerenje radnih karakteristika četkica (IEC 60773:2021; EN IEC 60773:2021)  
Rotating electrical machines – Test methods and apparatus for the measurement of the operational characteristics of brushes (IEC 60773:2021; EN IEC 60773:2021)

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

HRN EN IEC 62934:2021 en pr  
Integracija obnovljivih izvora energije u mrežu – Nazivi i definicije (IEC 62934:2021; EN IEC 62934:2021)  
Grid integration of renewable energy generation – Terms and definitions (IEC 62934:2021; EN IEC 62934:2021)

## **HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali**

HRI IEC/TR 60893-4:2021 en pr  
Izolacijski materijali – Industrijski izrađeni kruti laminirani listovi na bazi termoreaktivnih smola za elektrotehničke svrhe – 4. dio: Tipične vrijednosti (IEC/TR 60893-4:2014)  
Insulating materials – Industrial rigid laminated sheets based on thermosetting resins for electrical purposes – Part 4: Typical values (IEC/TR 60893-4:2014)

HRI IEC/TR 60893-4:2021/A1:2021 en pr  
Izolacijski materijali – Industrijski izrađeni kruti laminirani listovi na bazi termoreaktivnih smola za elektrotehničke svrhe – 4. dio: Tipične vrijednosti (IEC/TR 60893-4:2014/am1:2017)  
Amendment 1 – Insulating materials – Industrial rigid laminated sheets based on thermosetting resins for electrical purposes – Part 4: Typical values (IEC/TR 60893-4:2014/am1:2017)

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

HRN EN IEC 61439-1:2021 en pr  
Niskonaponski sklopni blokovi – 1. dio: Opća pravila (IEC 61439-1:2020; EN IEC 61439-1:2021)  
Low-voltage switchgear and controlgear assemblies – Part 1: General rules (IEC 61439-1:2020; EN IEC 61439-1:2021)

HRN EN IEC 61439-2:2021 en pr  
Niskonaponski sklopni blokovi – 2. dio: Energetski sklopni blokovi i upravljački uređaji (PSC) (IEC 61439-2:2020; EN IEC 61439-2:2021)  
Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies (IEC 61439-2:2020; EN IEC 61439-2:2021)

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

## **HZN/TO E22, Energetska elektronika**

HRN EN IEC 62040-3:2021 en pr  
Energetski sustavi neprekidnog napajanja (UPS) – 3. dio: Metoda specificiranja svojstava i ispitnih zahtjeva (IEC 62040-3:2021; EN IEC 62040-3:2021)  
Uninterruptible power systems (UPS) – Part 3: Method of specifying the performance and test requirements (IEC 62040-3:2021; EN IEC 62040-3:2021)

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

HRN EN IEC 60809:2021 en pr  
Žarulje i izvori svjetla za cestovna vozila – Zahtjevi za dimenzije, električni i svjetlosni zahtjevi (IEC 60809:2021; EN IEC 60809:2021)  
Lamps and light sources for road vehicles – Dimensional, electrical and luminous requirements (IEC 60809:2021; EN IEC 60809:2021)

HRN EN 60838-1:2017/A11:2021 en pr  
Raznovrsna grla za žarulje – 1. dio: Opći zahtjevi i ispitivanja (EN 60838-1:2017/A11:2021)  
Miscellaneous lampholders – Part 1: General requirements and tests (EN 60838-1:2017/A11:2021)

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

HRN EN IEC 63046:2021 en pr  
Nuklearne elektrane – Elektroenergetski sustav – Opći zahtjevi (IEC 63046:2020; EN IEC 63046:2021)  
Nuclear power plants – Electrical power system – General requirements (IEC 63046:2020; EN IEC 63046:2021)

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

HRN EN IEC 62488-3:2021 en pr  
Sustavi za komunikaciju putem elektroenergetskih vodova za primjenu u elektroprivredi – 3. dio: Terminali za digitalnu vezu (DPLC) i terminali za hibridnu vezu (ADPLC) po dalekovodima (IEC 62488-3:2021; EN IEC 62488-3:2021)  
Power line communication systems for power utility applications – Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals (IEC 62488-3:2021; EN IEC 62488-3:2021)

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

HRN EN IEC 61326-1:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – 1. dio: Opći zahtjevi (IEC 61326-1:2020; EN IEC 61326-1:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:2020; EN IEC 61326-1:2021)

HRN EN IEC 61326-2-1:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-1: Posebni zahtjevi – Ispitne konfiguracije, radni uvjeti i kriteriji djelovanja za osjetljivu ispitnu i mjernu opremu za EMC nezaštićene primjene (IEC 61326-2-1:2020; EN IEC 61326-2-1:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2020; EN IEC 61326-2-1:2021)

HRN EN IEC 61326-2-2:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-2: Posebni zahtjevi – Ispitne konfiguracije, radni uvjeti i kriteriji djelovanja za prenosivu ispitnu opremu i opremu za mjerenje i motrenje u nisko naponskim distribucijskim sustavima (IEC 61326-2-2:2020; EN IEC 61326-2-2:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2020; EN IEC 61326-2-2:2021)

HRN EN IEC 61326-2-3:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-3: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za pretvornike s integriranom ili daljinskom prilagodbom signala (IEC 61326-2-3:2020; EN IEC 61326-2-3:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2020; EN IEC 61326-2-3:2021)

HRN EN IEC 61326-2-4:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-4: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za uređaje za motrenje izolacije prema IEC 61557-8 i za opremu za traženje pogrešaka izolacije prema IEC 61557-9 (IEC 61326-2-4:2020; EN IEC 61326-2-4:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2020; EN IEC 61326-2-4:2021)

HRN EN IEC 61326-2-5:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-5: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za vanjske uređaje sa sučeljima prema IEC 61784-1 (IEC 61326-2-5:2020; EN IEC 61326-2-5:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2020; EN IEC 61326-2-5:2021)

HRN EN IEC 61326-2-6:2021 en pr  
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-6: Posebni zahtjevi – Medicinski uređaji za in vitro dijagnostiku (IEC 61326-2-6:2020; EN IEC 61326-2-6:2021)  
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2020; EN IEC 61326-2-6:2021)

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

HRN EN IEC 61243-1:2021 en pr  
Rad pod naponom – Indikatori napona – 1. dio: Kapacitivno dijelilo za uporabu na izmjeničnim naponima iznad 1 kV (IEC 61243-1:2021; EN IEC 61243-1:2021)  
Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c. (IEC 61243-1:2021; EN IEC 61243-1:2021)

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

HRN EN 50695:2021 en pr  
Sustav javnog razglasa i alarma u slučaju opasnosti, komunikacijski sustav za pomorske primjene (EN 50695:2021)  
Public-address-general-emergency-alarm-system, communication-system for marine applications (EN 50695:2021)

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

HRN EN 50554:2021 en pr  
Osnovna norma za in-situ procjenu lokacije radiodifuzijskih odašiljača s obzirom na izloženost opće populacije radiofrekvencijskim elektromagnetskim poljima (EN 50554:2021)  
Basic standard for the in-situ assessment of exposure to radio frequency electromagnetic fields in the vicinity of a broadcast site (EN 50554:2021)

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

HRN EN 300 338-1 V1.6.1:2021 en pr  
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnoga selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 1. dio: Opći zahtjevi (EN 300 338-1 V1.6.1:2021)  
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 1: Common requirements (EN 300 338-1 V1.6.1:2021)

HRN EN 301 444 V2.2.1:2021 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Kopnene pokretne zemaljske postaje (LMES) i pomorske pokretne zemaljske postaje (MMES) za govorne i/ili podatkovne komunikacije u frekvencijskim pojasima 1,5 GHz i 1,6 GHz – Harmonizirana norma za pristup radijskom spektru (EN 301 444 V2.2.1:2021)  
Satellite Earth Stations and Systems (SES) – Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands – Harmonised Standard for access to radio spectrum (EN 301 444 V2.2.1:2021)

HRN EN 302 186 V2.2.1:2021 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Satelitske pokretne zrakoplovne zemaljske postaje (AESS) koje rade u frekvencijskim pojasima 11/24/14 GHz – Harmonizirana norma za pristup radijskom spektru (EN 302 186 V2.2.1:2021)  
Satellite Earth Stations and Systems (SES) – Satellite mobile Aircraft Earth Stations (AESS) operating in the 11/12/14 GHz frequency bands – Harmonised Standard for access to radio spectrum (EN 302 186 V2.2.1:2021)

HRN EN 303 413 V1.2.1:2021 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Prijamnici globalnoga satelitskog navigacijskog sustava (GNSS) – Radijska oprema koja radi u frekvencijskim pojasima od 1 164 MHz do 1 300 MHz i od 1 559 MHz do 1 610 MHz – Harmonizirana norma za pristup radijskom spektru (EN 303 413 V1.2.1:2021)  
Satellite Earth Stations and Systems (SES) – Global Navigation Satellite System (GNSS) receivers – Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands – Harmonised Standard for access to radio spectrum (EN 303 413 V1.2.1:2021)

HRN EN 303 746 V1.1.1:2021 en pr  
Sustavi pomorske lokacije – Radijski odašiljači i prijamnici za komunikacijske veze koje rade u frekvencijskom pojasu od 9 GHz (X pojas) (EN 303 746 V1.1.1:2021)  
Maritime Location Systems – Radio transmitters and receivers for communication links operating in the 9 GHz frequency band (X band) (EN 303 746 V1.1.1:2021)

HRN EN 303 980 V1.2.1:2021 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Nepokretne i pokretne zemaljske postaje koje komuniciraju s negeostacionarnim satelitskim sustavima (NEST) u frekvencijskim pojasima od 11 GHz do 14 GHz – Harmonizirana norma za pristup radijskom spektru (EN 303 980 V1.2.1:2021)  
Satellite Earth Stations and Systems (SES) – Fixed and in-motion Earth Stations communicating with non-geostationary satellite systems (NEST) in the 11 GHz to 14 GHz frequency bands – Harmonised Standard for access to radio spectrum (EN 303 980 V1.2.1:2021)

HRN EN 303 981 V1.2.1:2021 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Nepokretne i pokretne širokopojasne zemaljske postaje koje komuniciraju s ne-geostacionarnim satelitskim sustavima (WBES) u frekvencijskim pojasima od 11 GHz do 14 GHz – Harmonizirana norma za pristup radijskom spektru (EN 303 981 V1.2.1:2021)  
Satellite Earth Stations and Systems (SES) – Fixed and in-motion Wide Band Earth Stations communicating with non-geostationary satellite systems (WBES) in the 11 GHz to 14 GHz frequency bands – Harmonised Standard for access to radio spectrum (EN 303 981 V1.2.1:2021)

HRN EN 319 401 V2.3.1:2021 en pr  
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila za vjerodostojne davatelje usluga (EN 319 401 V2.3.1:2021)  
Electronic Signatures and Infrastructures (ESI) – General Policy Requirements for Trust Service Providers (EN 319 401 V2.3.1:2021)

HRN EN 319 411-1 V1.3.1:2021 en pr  
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.3.1:2021)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.3.1:2021)

HRN EN 319 411-2 V2.3.1:2021 en pr  
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga certificiranja – 2. dio: Zahtjevi za opća pravila za certifikacijska tijela koja izdaju kvalificirane certifikate (EN 319 411-2 V2.3.1:2021)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Requirements for trust service providers issuing EU qualified certificates (EN 319 411-2 V2.3.1:2021)

HRN EN 319 412-1 V1.4.4:2021 en pr  
Elektronički potpisi i infrastrukture (ESI) – Profili certifikata – 1. dio: Pregled i struktura zajedničkih podataka (EN 319 412-1 V1.4.4:2021)  
Electronic Signatures and Infrastructures (ESI) – Certificate Profiles – Part 1: Overview and common data structures (EN 319 412-1 V1.4.4:2021)

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

HRS ISO/IEC TS 27008:2021 en pr  
Informacijska tehnologija – Sigurnosne tehnike – Smjernice za procjenu upravljanja informacijskom sigurnošću (ISO/IEC TS 27008:2019)  
Information technology – Security techniques – Guidelines for the assessment of information security controls (ISO/IEC TS 27008:2019)

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

HRN EN 16582-1:2021 en pr  
Bazeni u kućanstvu – 1. dio: Opći zahtjevi uključujući sigurnost i metode ispitivanja (EN 16582-1:2015+A1:2021)  
Domestic swimming pools – Part 1: General requirements including safety and test methods (EN 16582-1:2015+A1:2021)

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

HRN EN ISO 276:2021 en pr  
Veziva za boje i lakove – Laneno stand ulje – Zahtjevi i metode ispitivanja (ISO 276:2019; EN ISO 276:2021)  
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO 276:2019; EN ISO 276:2021)

HRN EN ISO 3219-2:2021 en pr  
Reologija – 2. dio: Opća načela rotacijske i oscilacijske reometrije (ISO 3219-2:2021; EN ISO 3219-2:2021)  
Rheology – Part 2: General principles of rotational and oscillatory rheometry (ISO 3219-2:2021; EN ISO 3219-2:2021)

HRN EN ISO 9038:2021 en pr  
Određivanje podržavanja gorenja kapljevine (ISO 9038:2021; EN ISO 9038:2021)  
Determination of sustained combustibility of liquids (ISO 9038:2021; EN ISO 9038:2021)

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

HRN EN ISO 23445:2021 en pr  
Stomatologija – Bušila za tkivo (ISO 23445:2021; EN ISO 23445:2021)  
Dentistry – Tissue punches (ISO 23445:2021; EN ISO 23445:2021)

HRN EN ISO 23940:2021 en pr  
Stomatologija – Ekskavatori (ISO 23940:2021; EN ISO 23940:2021)  
Dentistry – Excavators (ISO 23940:2021; EN ISO 23940:2021)

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

HRN EN 60286-1:2018/A1:2021 en pr  
Pakiranje komponenata za automatsko rukovanje – 1. dio: Pakiranje komponenata s aksijalnim vodovima neprekidnim trakama (IEC 60286-1:2017/am1:2021; EN 60286-1:2017/A1:2021)  
Packaging of components for automatic handling – Part 1: Tape packaging of components with axial leads on continuous tapes (IEC 60286-1:2017/am1:2021; EN 60286-1:2017/A1:2021)

HRN EN IEC 60384-2:2021 en pr  
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 2. dio: Sekcijska specifikacija – Fiksni kondenzatori za istosmjerni napon s dielektrikom od metalizirane polietilentetraftalatske folije (IEC 60384-2:2021; EN IEC 60384-2:2021)  
Fixed capacitors for use in electronic equipment – Part 2: Sectional specification – Fixed metallized polyethylene-terephthalate film dielectric DC capacitors (IEC 60384-2:2021; EN IEC 60384-2:2021)

HRN EN IEC 60794-1-403:2021 en pr  
Svjetlovodni kabeli – Dio 1-403: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode električnih ispitivanja – Ispitivanje električnog kontinuiteta metalnih dijelova kablova, metoda H3 (IEC 60794-1-403:2021; EN IEC 60794-1-403:2021)  
Optical fibre cables – Part 1-403: Generic specification – Basic optical cable test procedures – Electrical test methods – Electrical continuity test of cable metallic elements, method H3 (IEC 60794-1-403:2021; EN IEC 60794-1-403:2021)

HRN EN IEC 60794-3-70:2021 en pr  
Svjetlovodni kabeli – Dio 3-70: Kabeli za vanjsku primjenu – Skupna specifikacija za vanjske svjetlovodne kabele za brzo i višestruko postavljanje (IEC 60794-3-70:2021; EN IEC 60794-3-70:2021)  
Optical fibre cables – Part 3-70: Outdoor cables – Family specification for outdoor optical fibre cables for rapid/multiple deployment (IEC 60794-3-70:2021; EN IEC 60794-3-70:2021)

HRN EN IEC 60794-4-30:2021 en pr  
Svjetlovodni kabeli – Dio 4-30: Nadzemni svjetlovodni kabeli uz električne vodove – Skupna specifikacija za svjetlovodne kabele faznih vodiča (OPPC) (IEC 60794-4-30:2021; EN IEC 60794-4-30:2021)  
Optical fibre cables – Part 4-30: Aerial optical cables along electrical power lines – Family specification for optical phase conductor (OPPC) optical cables (IEC 60794-4-30:2021; EN IEC 60794-4-30:2021)

HRN EN IEC 61010-2-130:2021 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-130: Posebni zahtjevi za opremu koja je namijenjena djeci u obrazovnim ustanovama (IEC 61010-2-130:2021; EN IEC 61010-2-130:2021)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-130: Particular requirements for equipment intended to be used in educational establishments by children (IEC 61010-2-130:2021; EN IEC 61010-2-130:2021)

HRN EN IEC 61076-3-122:2021 en pr  
Konektori za električnu i elektroničku opremu – Zahtjevi za proizvod – Dio 3-122: Detaljne specifikacije za 8-smjerne, oklopljene, slobodne i fiksne konektore za I/O i prijenos podataka s frekvencijama do 500 MHz i strujnom opteretivošću u industrijskom okruženju (IEC 61076-3-122:2021; EN IEC 61076-3-122:2021)  
Connectors for electrical and electronic equipment – Product requirements – Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments (IEC 61076-3-122:2021; EN IEC 61076-3-122:2021)

HRN EN IEC 61587-6:2021 en pr  
Mehaničke konstrukcije za električnu i elektroničku opremu – Ispitivanja norma niza IEC 60917 i IEC 60297 – 6. dio: Sigurnosni aspekti unutarnjih ormara (IEC 61587-6:2021; EN IEC 61587-6:2021)  
Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 6: Security aspects for indoor cabinets (IEC 61587-6:2021; EN IEC 61587-6:2021)

HRN EN IEC 61753-111-08:2021 en pr  
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Izvedbena norma – Dio 111-8: Zapečaćene spojnice kategorije G – Podna primjena (IEC 61753-111-08:2021; EN IEC 61753-111-08:2021)  
Fibre optic interconnecting devices and passive components – Performance standard – Part 111-08: Sealed closures for Category G – Ground (IEC 61753-111-08:2021; EN IEC 61753-111-08:2021)

HRN EN IEC 62148-21:2021 en pr  
Aktivne svjetlovodne komponente i uređaji – Norme za kućišta i sučelja – 21. dio: Smjernice za projektiranje električnog sučelja za PIC kućišta koja upotrebljavaju silicijsku finu mrežu kugličnih spojeva (S-FBGA) i silicijsku finu mrežu mreža u ravnini (FLGA) (IEC 62148-21:2021; EN IEC 62148-21:2021)  
Fibre optic active components and devices – Package and interface standards – Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA) (IEC 62148-21:2021; EN IEC 62148-21:2021)

HRN EN IEC 62228-5:2021 en pr  
Integrirani krugovi – Procjena elektromagnetske kompatibilnosti (EMC) primopredajnika – 5. dio: Ethernet primopredajnici (IEC 62228-5:2021; EN IEC 62228-5:2021)  
Integrated circuits – EMC evaluation of transceivers – Part 5: Ethernet transceivers (IEC 62228-5:2021; EN IEC 62228-5:2021)

HRN EN IEC 63203-201-3:2021 en pr  
Nosivi elektronički uređaji i tehnologije – Dio 201-3: Elektronički tekstil – Određivanje električnog otpora provodljivog tekstila u simuliranoj mikroklimi (IEC 63203-201-3:2021; EN IEC 63203-201-3:2021)  
Wearable electronic devices and technologies – Part 201-3: Electronic Textile – Determination of electrical resistance of conductive textiles under simulated microclimate (IEC 63203-201-3:2021; EN IEC 63203-201-3:2021)

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

HRN EN IEC 62841-2-3:2021/A11:2021 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-3: Posebni zahtjevi za ručne brusilice, uređaje za poliranje s diskom i pjeskarilice s diskom (EN IEC 62841-2-3:2021/A11:2021)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders (EN IEC 62841-2-3:2021/A11:2021)

HRN EN IEC 62841-2-3:2021 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-3: Posebni zahtjevi za ručne brusilice, uređaje za poliranje s diskom i pjeskarilice s diskom (IEC 62841-2-3:2020+Corr.1:2021; EN IEC 62841-2-3:2021)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders (IEC 62841-2-3:2020+Corr.1:2021; EN IEC 62841-2-3:2021)

HRN EN IEC 62841-3-7:2021 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-7: Posebni zahtjevi za prijenosne pile za zidove (IEC 62841-3-7:2020; EN IEC 62841-3-7:2021)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-7: Particular requirements for transportable wall saws (IEC 62841-3-7:2020; EN IEC 62841-3-7:2021)

HRN EN IEC 62841-3-7:2021/A11:2021 en pr  
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-7: Posebni zahtjevi za prijenosne pile za zidove (EN IEC 62841-3-7:2021/A11:2021)  
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-7: Particular requirements for transportable wall saws (EN IEC 62841-3-7:2021/A11:2021)

## **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 6, Papir, karton i pulpe**

prEN ISO 12625-4 en  
Tissue paper and tissue products – Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption (ISO/DIS 12625-4:2021)  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 4. dio: Određivanje vlačne čvrstoće, izduženje kod maksimalne sile i utrošene energije pri kidanju (ISO/DIS 12625-4:2021)

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

prEN ISO 21805 en  
Guidance on design, selection and installation of vents to safeguard the structural integrity of enclosures protected by gaseous fire-extinguishing systems (ISO/DIS 21805:2021)  
Smjernice za projektiranje, odabir i postavljanje odušnika namijenjenih očuvanju strukturnog integriteta zatvorenih prostora šticeđenih sustavima za gašenje požara plinom (ISO/DIS 21805:2021)

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

prEN ISO 21058 en  
Road vehicles – Dimethyl Ether (DME) refuelling connector (ISO 21058:2019)  
Cestovna vozila – Priključak za punjenje dimetil eterom (DME) (ISO 21058:2019)

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

prEN ISO 11806-1 en  
Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 1: Machines fitted with an integral combustion engine (ISO/DIS 11806-1:2020)  
Poljoprivredna i šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za prijenosne, ručno upravljane, motorne rezačice za grmlje i kosilice trave – 1. dio: Strojevi opremljeni motorom s unutrašnjim izgaranjem (ISO/DIS 11806-1:2020)

FprEN ISO 11806-2 en  
Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 2: Machines for use with back-pack power unit (ISO/FDIS 11806-2:2021)  
Poljoprivredna i šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje za prijenosne, ručno upravljane, motorne rezačice za grmlje i kosilice za travu – 2. dio: Strojevi opremljeni stražnjom pogonskom jedinicom (ISO/FDIS 11806-2:2021)

EN 13684:2018/prA1 en  
Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety  
Oprema za vrtove i parkove – Ručno upravljani prozračivači i gribalice za travnjake – Sigurnost

prEN ISO 14982-1 en  
Agricultural and forestry machinery – Electromagnetic compatibility – Test methods and acceptance criteria – Part 1: General EMC requirements (ISO/DIS 14982-1:2021)

prEN ISO 14982-2 en  
Agricultural and forestry machinery – Electromagnetic compatibility – Part 2: Additional EMC requirements for functional safety (ISO/DIS 14982-2:2021)

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

- prEN 590 en  
Automotive fuels – Diesel – Requirements and test methods  
Goriva za motorna vozila – Dizelsko gorivo – Zahtjevi i metode ispitivanja
- prEN 15984 en  
Petroleum industry and products – Determination of composition of refinery heating gas and calculation of carbon content and calorific value – Gas chromatography method  
Naftna industrija i proizvodi – Određivanje sastava rafinerijskih plinova za loženje i izračunavanje udjela ugljika i toplinske vrijednosti – Metoda plinske kromatografije
- prEN 16091 en  
Liquid petroleum products – Middle distillates and fatty acid methyl ester (FAME) fuels and blends – Determination of oxidation stability by rapid small scale oxidation method  
Tekući naftni proizvodi – Srednji destilati i metilni esteri masnih kiselina (FAME), goriva i mješavine – Određivanje oksidacijske stabilnosti brzom metodom ograničenog opsega
- prEN 16734 en  
Automotive fuels – Automotive B10 diesel fuel – Requirements and test methods  
Goriva za motorna vozila – Dizelsko gorivo B10 – Zahtjevi i metode ispitivanja

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

- prEN ISO 17636-2 en  
Non-destructive testing of welds – Radiographic testing – Part 2: X- and gamma-ray techniques with digital detectors (ISO/DIS 17636-2:2021)  
Nerazorno ispitivanje zavara – Radiografsko ispitivanje – 2. dio: Tehnike snimanja rendgenom i izotopom primjenom digitalnih detektora (ISO/DIS 17636-2:2021)
- prEN ISO 18278-1 en  
Resistance welding – Weldability – Part 1: General requirements for the evaluation of weldability for resistance spot, seam and projection welding of metallic materials (ISO/DIS 18278-1:2021)  
Elektrotopno zavarivanje – Zavarljivost – 1. dio: Opći zahtjevi za ocjenjivanje zavarljivosti za točkasto, šavno i bradavičasto zavarivanje metalnih materijala (ISO/DIS 18278-1:2021)

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

- prEN 12102-1 en  
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 1: Air conditioners, liquid chilling packages, heat pumps for space heating and cooling, dehumidifiers and process chillers  
Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline, procesni rashladnici i odvlaživači s kompresorima na električni pogon – Određivanje razine zvučne snage – 1. dio: Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline za grijanje i hlađenje prostora, odvlaživači i procesni rashladnici

## **HZN/TO 92, Zaštita od požara**

- prEN 13501-3 en  
Fire classification of construction products and building elements – Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resistant ventilation ducts and fire dampers and or power, control and communication cables  
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 3. dio: Razredba prema rezultatima ispitivanja otpornosti na požar proizvoda i elemenata upotrijebljenih u servisnim instalacijama zgrade: vatrootpornih ventilacijskih kanala i požarnih zatvarača i/ili energetskih, upravljačkih i komunikacijskih kabela
- prEN 17020-1 en  
Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows – Part 1: Durability of self-closing of hinged and pivoted steel doorsets  
Proširena primjena rezultata ispitivanja trajnosti samozatvaranja za vrata i prozore koji se mogu otvarati otpornih na požar i/ili s kontrolom propusnosti dima – 1. dio: Trajnost samozatvaranja zaokretnih i okretnih čeličnih vrata

- prEN 17020-2 en  
Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows – Part 2: Durability of self-closing of steel rolling shutters  
Proširena primjena rezultata ispitivanja trajnosti samozatvaranja za vrata i prozore koji se mogu otvarati otpornih na požar i/ili s kontrolom propusnosti dima – 2. dio: Trajnost samozatvaranja čeličnih roleta

- prEN 17020-3 en  
Extended application of test results on durability of self-closing for fire resistance and/or smoke control doorsets and openable windows – Part 3: Durability of self-closing of steel sliding doorsets  
Proširena primjena rezultata ispitivanja trajnosti samozatvaranja za vrata i prozore koji se mogu otvarati otpornih na požar i/ili s kontrolom propusnosti dima – 3. dio: Trajnost samozatvaranja čeličnih kliznih vrata

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

- ISO 8454:2007/AMD 2:2019 en  
Cigarettes – Determination of carbon monoxide in the vapour phase of cigarette smoke – NDIR method  
Cigarete – Određivanje ugljikovog monoksida u parnoj fazi dima cigarete – NDIR metoda

## **HZN/TO 130, Grafička tehnologija**

- ISO 2836:2021 en  
Graphic technology – Prints and printing inks – Assessment of resistance of prints to various agents  
Grafička tehnologija – Otisci i tiskarske boje – Procjena postojanosti na različite agense
- ISO 12647-8:2021 en  
Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 8: Validation print processes working directly from digital data  
Grafička tehnologija – Kontrola postupaka za proizvodnju rasterskih izvadaka, probnog i proizvodnog otiska – 8. dio: Provjera tiskarskog procesa nastalog direktno iz digitaliziranih podataka

## **HZN/TO 134, Gnojiva i poboljšivači tla**

- prEN 15749 en  
Fertilizers – Determination of sulfates content using three different methods  
Gnojiva – Određivanje sadržaja sulfata primjenom tri različite metode

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

- prEN ISO 3459 en  
Plastic piping systems – Mechanical joints between fittings and pressure pipes – Test method for leak tightness under negative pressure (ISO/DIS 3459:2021)  
Plastični cijevni sustavi – Mehanički spojevi spojnica i tlačnih cijevi – Metoda ispitivanja nepropusnosti pod negativnim tlakom (ISO/DIS 3459:2021)

- prEN ISO 3501 en  
Plastics piping systems – Mechanical joints between fittings and pressure pipes – Test method for resistance to pull-out under constant longitudinal force (ISO/DIS 3501:2021)  
Plastični cijevni sustavi – Mehanički spojevi spojnica i tlačnih cijevi – Metoda ispitivanja otpornosti na izvlačenje pod djelovanjem konstantne uzdužne sile (ISO/DIS 3501:2021)

- prEN 17670-1 en  
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Manholes, inspection chambers and road gullies for storm water systems made of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: Specifications for storm water manholes and inspection chambers)

- prEN 17670-2 en  
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Manholes, inspection chambers and road gullies for storm water systems made of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specification for road gullies

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

prEN ISO 13165-2 en  
Water quality – Radium-226 – Part 2: Test method using emanometry (ISO/DIS 13165-2:2021)  
Kvaliteta vode – Radij-226 – 2. dio: Metoda ispitivanja s upotrebom emanometrije (ISO/DIS 13165-2:2021)

## **HZN/TO 159, Ergonomija**

prEN ISO 15537 en  
Principles for selecting and using test persons for testing anthropometric aspects of industrial products and designs (ISO/DIS 15537:2021)  
Načela odabira i uporabe osoba za ispitivanje antropometrijskih parametara industrijskih proizvoda i oblikovanja (ISO/DIS 15537:2021)

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

prEN ISO 12623 en  
Thermal insulating products for building equipment and industrial installations – Determination of short-term water absorption by partial immersion of preformed pipe insulation (ISO/DIS 12623:2021)  
Toplinsko-izolacijski proizvodi za za instalacije u zgradama i u industriji – Određivanje vodupojnosti kod kratkotrajnog djelomičnog uranjanja predgotovljene izolacije za cijevi (ISO/DIS 12623:2021)

prEN ISO 12624 en  
Thermal insulating products for building equipment and industrial installations – Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and pH (ISO/DIS 12624:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje količine u vodi topljivih kloridnih, fluoridnih, silikatnih, natrijevih iona i pH vrijednosti (ISO/DIS 12624:2021)

prEN ISO 12628 en  
Thermal insulating products for building equipment and industrial installations – Determination of dimensions, squareness and linearity of preformed pipe insulation (ISO/DIS 12628:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje dimenzija, pravokutnosti i linearnosti predgotovljene izolacije cijevovoda (ISO/DIS 12628:2021)

prEN ISO 12629 en  
Thermal insulating products for building equipment and industrial installations – Determination of water vapour transmission properties of preformed pipe insulation (ISO/DIS 12629:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje svojstava propusnosti vodene pare predgotovljene izolacije cijevovoda (ISO/DIS 12629:2021)

prEN ISO 18096 en  
Thermal insulating products for building equipment and industrial installations – Determination of maximum service temperature for preformed pipe insulation (ISO/DIS 18096:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje najviše dozvoljene temperature uporabe za predgotovljene izolacije cijevovoda (ISO/DIS 18096:2021)

prEN ISO 18097 en  
Thermal insulating products for building equipment and industrial installations – Determination of maximum service temperature (ISO/DIS 18097:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje najviše dozvoljene temperature uporabe (ISO/DIS 18097:2021)

prEN ISO 18098 en  
Thermal insulating products for building equipment and industrial installations – Determination of the apparent density of preformed pipe insulation (ISO/DIS 18098:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje prividne gustoće predgotovljene izolacije cijevovoda (ISO/DIS 18098:2021)

prEN ISO 18099 en  
Thermal insulating products for building equipment and industrial installations – Determination of the coefficient of thermal expansion (ISO/DIS 18099:2021)  
Toplinsko-izolacijski proizvodi za instalacije u zgradama i u industriji – Određivanje koeficijenta toplinskog izduženja (ISO/DIS 18099:2021)

prEN ISO 29465 en  
Thermal insulating products for building applications – Determination of length and width (ISO/DIS 29465:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje duljine i širine (ISO/DIS 29465:2021)

prEN ISO 29466 en  
Thermal insulating products for building applications – Determination of thickness (ISO/DIS 29466:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje debljine (ISO/DIS 29466:2021)

prEN ISO 29468 en  
Thermal insulating products for building applications – Determination of flatness (ISO/DIS 29468:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje ravnosti (ISO/DIS 29468:2021)

prEN ISO 29469 en  
Thermal insulating products for building applications – Determination of compression behaviour (ISO/DIS 29469:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje ponašanja pri tlačnom opterećenju (ISO/DIS 29469:2021)

prEN ISO 29766 en  
Thermal insulating products for building applications – Determination of linear tensile strength parallel to faces (ISO/DIS 29766:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje vlačne čvrstoće u ravnini ploče (ISO/DIS 29766:2021)

prEN ISO 29768 en  
Thermal insulating products for building applications – Determination of linear dimensions of test specimens (ISO/DIS 29768:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje linearnih izmjera uzoraka (ISO/DIS 29768:2021)

prEN ISO 29770 en  
Thermal insulating products for building applications – Determination of thickness for floating-floor insulating products (ISO/DIS 29770:2021)  
Toplinsko-izolacijski proizvodi za primjenu u građevinarstvu – Određivanje debljine izolacijskih proizvoda za plivajuće podove (ISO/DIS 29770:2021)

## **HZN/TO 167, Metalne konstrukcije**

prEN 17662 en  
Execution of steel structures and aluminium structures – Environmental Product Declarations – Product category rules complementary to EN 15804 for Steel, Iron and Aluminium structural products for use in construction works  
Izvođenje čeličnih i aluminijskih konstrukcija – Izjava o zaštiti okoliša – Pravila za kategorizaciju proizvoda (PCR) kao dopuna norme EN 15804 za čelične, željezne i aluminijske konstrukcijske proizvode za uporabu u građevinskim radovima

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

prEN ISO 23674 en  
Cosmetics – Analytical methods – Direct determination of traces of mercury in cosmetics by thermal decomposition – Atomic absorption spectrometry (mercury analyzer) (ISO/DIS 23674:2021)

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

prEN 17669 en  
Energy Performance Contracting – Minimum requirements  
Ugovori o energetske učinku (EPC) – Minimalni zahtjevi

## **HZN/TO 307, Ulančani blokovi i tehnologija distribuirane glavne knjige**

ISO/DIS 23257 en  
Blockchain and distributed ledger technologies – Reference architecture  
Ulančani blokovi i tehnologija distribuirane glavne knjige – Referentna arhitektura

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

- prEN 10357 en  
Austenitic, austenitic-ferritic and ferritic longitudinally welded stainless steel tubes for the food and chemical industry  
Austenitne, austenitno-ferritne i feritne uzdužno zavarene cijevi od nehrđajućeg čelika za prehrambenu i kemijsku industriju
- prEN 12020-2 en  
Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 2: Tolerances on dimensions and form  
Aluminij i aluminijeve legure – Istisnuti precizni profili od legura EN AW-6060 i EN AW-6063 – 2. dio: Dopuštena odstupanja dimenzija i oblika

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

- prEN ISO 4528 en  
Vitreous and porcelain enamel finishes – Guide to selection of test methods for vitreous and porcelain enamelled areas of articles (ISO/DIS 4528:2021)  
Staklaste i porculanske emajlirane površine – Smjernice za odabir metoda ispitivanja za staklaste i porculanske emajlirane dijelove proizvoda (ISO/DIS 4528:2021)
- prEN ISO 6370-1 en  
Vitreous and porcelain enamels – Determination of the resistance to abrasion – Part 1: Abrasion testing apparatus (ISO 6370-1:1991)  
Staklasti i porculanski emajli – Određivanje otpornosti na abraziju – 1. dio: Uređaji za ispitivanje abrazije (ISO 6370-1:1991)
- prEN ISO 6370-2 en  
Vitreous and porcelain enamels – Determination of the resistance to abrasion – Part 2: Loss in mass after sub-surface abrasion (ISO 6370-2:2020)  
Staklasti i porculanski emajli – Određivanje otpornosti na abraziju – 2. dio: Gubitak mase nakon podpovršinske abrazije (ISO 6370-2:2020)

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

- prEN ISO 6368 en  
Petroleum, petrochemical and natural gas industries – Dry gas sealing systems for axial, centrifugal, and rotary screw compressors and expanders (ISO/DIS 6368:2021)

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

- prEN 17665 en  
Packaging – Test methods and requirements to demonstrate that plastic caps and lids of single-use beverage containers with a capacity of up to three litres remain attached to the containers during the product's intended use stage

## **HZN/TO 511, Eksplozivi za civilnu uporabu**

- prEN 16261-1 en  
Pyrotechnic articles – Fireworks, category F4 – Part 1: Terminology  
Pirotehnički proizvodi – Vatrometi, kategorija 4 – 1. dio: Nazivlje
- prEN 16261-2 en  
Pyrotechnic articles – Fireworks, Category F4 – Part 2: Requirements  
Pirotehnički proizvodi – Pirotehnika (Vatrometi), kategorija 4 – 2. dio: Zahtjevi
- prEN 16261-3 en  
Pyrotechnic articles – Fireworks, Category F4 – Part 3: Test methods  
Pirotehnički proizvodi – Vatrometi, kategorija 4 – 3. dio: Metode ispitivanja
- prEN 16261-4 en  
Pyrotechnic articles – Fireworks, Category F4 – Part 4: Minimum labelling requirements and instructions for use  
Pirotehnički proizvodi – Vatromet, kategorija 4 – 4. dio: Minimalni zahtjevi označavanja i upute za upotrebu
- prEN 16263-1 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 1: Terminology  
Pirotehnička sredstva – Ostala pirotehnička sredstva – 1. dio: Nazivlje

- prEN 16263-2 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 2: Requirements  
Pirotehnička sredstva – Ostala pirotehnička sredstva – 2. dio: Zahtjevi
- prEN 16263-3 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 3: Categories and types  
Pirotehnička sredstva – Ostala pirotehnička sredstva – 3. dio: Kategorije i vrste
- prEN 16263-4 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 4: Test methods  
Pirotehnička sredstva – Ostala pirotehnička sredstva – 4. dio: Metode ispitivanja

- prEN 16263-5 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 5: Minimum labelling requirements and instructions for use  
Pirotehnička sredstva – Ostala pirotehnička sredstva – 5. dio: Minimalni zahtjevi za označavanje i upute za upotrebu

- prEN 16265 en  
Pyrotechnic articles – Other pyrotechnic articles – Ignition devices  
Pirotehnička sredstva – Ostala pirotehnička sredstva – Upaljačke naprave

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

- prEN ISO 4373 en  
Hydrometry – Water level measuring devices (ISO/DIS 4373:2021)  
Hidrometrija – Uređaji za mjerenje razine vode (ISO/DIS 4373:2021)

## **HZN/TO 517, Posebne vrste konstrukcija**

- EN 15512:2020/prA1 en  
Steel static storage systems – Adjustable pallet racking systems – Principles for structural design  
Čelični nepokretni skladišni sustavi – Podesivi sustavi polica za palete – Načela za projektiranje konstrukcija

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

- prEN 12326-3 en  
Slate and stone for discontinuous roofing and external cladding – Part 3: Specifications for schist and schistose stones  
Škriljevac i prirodni kamen za preklopno pokrivanje krovova i vanjsko oblaganje zidova – 3. dio: Specifikacije za škriljevac i škriljevcu srodno kamenje

- prEN 14509-1 en  
Factory-made double skin metal faced insulating sandwich panels – Part 1: Self-supporting applications  
Tvornički izrađeni izolacijski paneli obostrano obloženi limom – 1. dio: Primjena samonosivih panela

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

- EN 15437-1:2009/prA1 en  
Railway applications – Axlebox condition monitoring – Interface and design requirements – Part 1: Track side equipment and rolling stock axlebox  
Željeznički sustav – Nadzor nad stanjem kućišta osovinskih ležajeva – Zahtjevi povezivosti i oblikovanja – 1. dio: Uređaji za otkrivanje pregrijanih ležajeva i kućište osovinskih ležajeva

- EN 15437-2:2012/prA1 en  
Railway applications – Axlebox condition monitoring – Interface and design requirements – Part 2: Performance and design requirements of on-board systems for temperature monitoring  
Željeznički sustav – Nadzor nad stanjem kućišta osovinskih ležajeva – Zahtjevi povezivosti i oblikovanja – 2. dio: Radni zahtjevi i oblikovanje ugrađenih sustava za praćenje temperature

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

- ISO 132:2017 en  
Rubber, vulcanized or thermoplastic – Determination of flex cracking and crack growth (De Mattia)  
Guma i elastoplastomeri – Određivanje savojno nastalih napuklina i njihovog širenja (De Mattia)
- ISO 1382:2020 en  
Rubber – Vocabulary  
Guma – Terminološki rječnik
- ISO 1853:2018 en  
Conducting and dissipative rubbers, vulcanized or thermoplastic – Measurement of resistivity  
Provodljive i antistatičke gume i elastoplastomeri – Mjerenje električne otpornosti
- prEN ISO 2078 en  
Textile glass – Yarns – Designation (ISO/DIS 2078:2021)  
Stakleni tekstil – Pređa – Označivanje (ISO/DIS 2078:2021)
- ISO 2781:2018 en  
Rubber, vulcanized or thermoplastic – Determination of density  
Guma i elastoplastomer – Određivanje gustoće
- ISO 4649:2017 en  
Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device  
Guma i elastoplastomeri – Određivanje abrazijske otpornosti uređajem s rotirajućim cilindričnim bubnjem
- ISO 8332:2018 en  
Rubber compounding ingredients – Sulfur – Methods of test  
Sastojci kaučukovih smjesa – Sumpor – Metode ispitivanja
- ISO 23529:2016 en  
Rubber – General procedures for preparing and conditioning test pieces for physical test methods  
Guma – Opći postupci pripreme i kondicioniranja ispitnih uzoraka za fizikalne ispitne metode

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

- prEN 1856-1 en  
Chimneys – Requirements for metal chimneys – Part 1: System chimney products  
Dimnjaci – Zahtjevi za metalne dimnjake – 1. dio: Proizvodi sustava dimnjaka
- prEN 1856-2 en  
Chimneys – Requirements for metal chimneys – Part 2: Metal flue liners and connecting flue pipes  
Dimnjaci – Zahtjevi za metalne dimnjake – 2. dio: Metalne cijevi i priključne dimnovodne cijevi

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

- prEN 15969-2 en  
Tanks for transport of dangerous goods – Digital interface for the data transfer between tank vehicle and with stationary facilities – Part 2: Commercial and logistic data  
Spremnici za prijevoz opasnih tvari – Digitalno sučelje za prijenos podataka između vozila cisterne i nepomičnih uređaja – 2. dio: Komercijalni i logistički podaci

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

- prEN 13055 en  
Lightweight aggregates  
Lagani agregati
- prEN 13383-1 en  
Armourstone – Part 1: Characteristics  
Kamenozaštite – 1. dio: Značajke
- prEN 13383-2 en  
Armourstone – Part 2: Complementary information and test methods  
Kamenozaštite – 2. dio: Dopunske informacije i metode ispitivanja
- prEN 13450-1 en  
Aggregates for railway ballast – Part 1: Characteristics  
Agregati za željeznički tucanik – 1. dio: Značajke

prEN 13450-2 en  
Aggregates for railway ballast – Part 2: Complementary information  
Agregati za željeznički tucanik – 2. dio: Dopunske informacije

prEN 17555-1 en  
Aggregates for construction works – Part 1: Characteristics  
Agregati za građevinske radove – 1. dio: Značajke

prEN 17555-2:2021 en  
Aggregates for construction works – Part 2: Complementary information  
Agregati za građevinske radove – 2. dio: Dopunske informacije

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

prEN ISO 1 en  
Geometrical product specifications (GPS) – Standard reference temperature for the specification of geometrical and dimensional properties (ISO/DIS 1:2021)  
Geometrijska specifikacija proizvoda (GSP) – Standardna referentna temperatura za specifikaciju geometrijskih i dimenzijskih svojstava (ISO/DIS 1:2021)

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

prEN ISO 10121-3 en  
Test methods for assessing the performance of gas-phase air cleaning media and devices for general ventilation – Part 3: Classification system for GPACDs applied to treatment of outdoor air (ISO/DIS 10121-3:2021)

prEN 15780 en  
Ventilation for buildings – Ductwork – Cleanliness of ventilation systems  
Ventilacija u zgradama – Razvod kanala – Čistoća ventilacijskih sustava

prEN 17671 en  
Heating systems and water based cooling systems in buildings – Design for water based cooling systems

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

prEN ISO 11296-9 en  
Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks – Part 9: Lining with a rigidly anchored plastics inner layer (ISO/DIS 11296-9:2021)

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

prEN ISO 80369-2 en  
Small-bore connectors for liquids and gases in healthcare applications – Part 2: Connectors for respiratory applications (ISO/DIS 80369-2:2021)

## **HZN/TO 557, *Zaštitna odjeća***

prEN 12477 en  
Protective gloves for welders  
Zaštitne rukavice za zavarivače

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

prEN 17667 en  
Test method – Determination of thermal resistance of filled textile articles and similar items using small guarded hotplate apparatus

prEN ISO 24584 en  
Textiles – Smart textiles – Test method for sheet resistance of conductive textiles using non-contact type (ISO/DIS 24584:2021)

prEN ISO 30023 en  
Textiles – Qualification symbols for labelling workwear to be industrially laundered (ISO/FDIS 30023:2021)  
Tekstil – Odgovarajući simboli za označivanje radne odjeće koja se pere u industrijskim praonicama (ISO/FDIS 30023:2021)



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

prEN ISO 11114-6 en  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 6: Oxygen pressure surge testing (ISO/DIS 11114-6:2021)

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

prEN ISO 19085-2 en  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO/FDIS 19085-2:2020)  
Strojevi za obradu drveta – Sigurnost – 2. dio: Horizontalne kružne pile za ploče s pritisnim uređajem (ISO/FDIS 19085-2:2020)

prEN ISO 19085-3 en  
Woodworking machines – Safety – Part 3: Numerically controlled (NC/CNC) boring and routing machines (ISO/DIS 19085-3:2020)  
Strojevi za obradu drveta – Sigurnost – 3. dio: Numeričko upravljani strojevi (NC/CNC) za bušenje i vođenje po krivulji (ISO/DIS 19085-3:2020)

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

prEN 1953 en  
Application equipment for coating materials – Safety requirements

prEN 12621 en  
Machinery for supply and circulation of liquid coating materials – Safety requirements  
Strojevi za dopremu i protok tekućih materijala za prevlake – Sigurnosni zahtjevi

prEN 17537 en  
Food processing machinery – Tenderizing machines – Safety and hygiene requirements

prEN 17677 en  
Food processing machinery – Craft bakery and pastry depositors – Safety and hygiene requirements

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

prEN ISO 56005 en  
Innovation management – Tools and methods for intellectual property management – Guidance (ISO 56005:2020)  
Upravljanje inovacijama – Alati i metode za upravljanje intelektualnim vlasništvom – Smjernice (ISO 56005:2020)

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

EN 50163:2004/prA3:2021 en  
Railway applications – Supply voltages of traction systems  
Željeznički sustav – Naponi napajanja vučnih sustava

EN 50317:2012/prA1:2021 en  
Railway applications – Current collection systems – Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line  
Željeznički sustav – Sustavi oduzimača struje – Zahtjevi za mjerenja i vrednovanje mjerenja dinamičkih međusobnih djelovanja pantografa i kontaktnog voda

EN 50463-4:2017/prA1:2021 en  
Railway applications – Energy measurement on board trains – Part 4: Communication  
Željeznički sustav – Mjerenje energije na vozilima – 4. dio: Komunikacije

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

prEN IEC 60475:2021 en  
Method of sampling insulating liquids (IEC 60475:202X)  
Metoda uzimanja uzoraka izolacijskih tekućina (IEC 60475:202X)

prEN IEC 60599:2021 en  
Mineral oil-filled electrical equipment in service – Guidance on the interpretation of dissolved and free gases analysis (IEC 60599:202X)  
Mineralnim uljem punjena električna oprema u pogonu – Upute za tumačenje rezultata analize otopljenih i slobodnih plinova (IEC 60599:202X)

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

prEN 50470-3 en  
Electricity metering equipment (AC) – Part 3: Particular requirements – Static meters for active energy (class indexes A, B and C)  
Električna brojila za izmjeničnu struju – 3. dio: Posebni zahtjevi – Statička brojila djelatne energije (razredi točnosti A, B i C)

prEN IEC 62055-31:2021 en  
Electricity metering – Payment systems – Part 31: Particular requirements – Static payment meters for active energy (classes 1 and 2) (IEC 62055-31:202X)  
Mjerenje električne energije – Sustavi plaćanja – 31. dio: Posebni zahtjevi – Statička brojila za plaćanje djelatne energije (razreda 1 i 2) (IEC 62055-31:202X)

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

prEN IEC 62271-212:2021 en  
High-voltage switchgear and controlgear – Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) (IEC 62271-212:202X)  
Visokonaponska sklopna aparatura – 212. dio: Blokovi kompaktne izvedbe za distribucijske transformatorske stanice (CEADS) (IEC 62271-212:202X)

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

EN 60400:2017/prA2:2021 en  
Amendment 2 – Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2017/am2:202X)  
Amandman 2 – Grla za fluorescentne cijevi i startere (IEC 60400:2017/am2:202X)

EN 60598-2-11:2013/prA1:2021 en  
Luminaires – Part 2-11: Particular requirements – Aquarium luminaires (IEC 60598-2-11:2013/am1:202X)  
Svjetiljke – Dio 2-11: Posebni zahtjevi – Svjetiljke za akvarije (IEC 60598-2-11:2013/am1:202X)

prEN IEC 62442-1:2021 en  
Energy performance of lamp controlgear – Part 1: Controlgear for fluorescent lamps – Method of measurement to determine the total input power of controlgear circuits and the efficiency of controlgear (IEC 62442-1:202X)  
Energetske značajke predspojnih naprava – 1. dio: Predspojne naprave za fluorescentne žarulje – Mjerne metode za određivanje ukupne ulazne snage krugova predspojne naprave i njezine iskoristivosti (IEC 62442-1:202X)

prEN IEC 62442-2:2021 en  
Energy performance of lamp controlgear – Part 2: Controlgear for discharge lamps (excluding low-pressure mercury fluorescent lamps) – Method of measurement to determine the efficiency of controlgear (IEC 62442-2:202X)  
Energetske značajke predspojnih naprava – 2. dio: Predspojne naprave za visokoučinkovite žarulje s izborom (osim fluorescentnih žarulja) – Mjerna metoda za određivanje učinkovitosti predspojne naprave (IEC 62442-2:202X)

prEN IEC 62442-3:2021 en  
Energy performance of lamp controlgear – Part 3: Controlgear for tungsten-halogen lamps and LED light sources – Method of measurement to determine the efficiency of controlgear (IEC 62442-3:202X)  
Energetske značajke predspojnih naprava – 3. dio: Predspojne naprave za volframove halogene žarulje i svjetleće diode – Mjerna metoda za određivanje učinkovitosti predspojne naprave (IEC 62442-3:202X)

## **HZN/TO E44, *Elektrotehnička sigurnost strojeva***

prEN IEC 60204-32:2021 en  
Safety of machinery – Electrical equipment of machines – Part 32: Requirements for hoisting machines (IEC 60204-32:202X)  
Sigurnost strojeva – Električna oprema strojeva – 32. dio: Zahtjevi za dizalice (IEC 60204-32:202X)

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

EN 60601-2-10:2015/prA2:2021 en  
Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:2012/am2:202X)  
Medicinska električna oprema – Dio 2-10: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke stimulatora živaca i mišića (IEC 60601-2-10:2012/am2:202X)

EN 60601-2-3:2015/prA2:2021 en  
Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/am2:202X)  
Medicinski električna oprema – Dio 2-3: Posebni sigurnosni zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovalnih terapijskih uređaja (IEC 60601-2-3:2012/am2:202X)

EN 60601-2-6:2015/prA2:2021 en  
Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:2012/am2:202X)  
Medicinski električna oprema – Dio 2-6: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke mikrovalnih terapijskih uređaja (IEC 60601-2-6:2012/am2:202X)

prEN IEC 61675-1:2021 en  
Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs (IEC 61675-1:202X)  
Radionuklidne naprave za snimanje – Značajke i ispitni uvjeti – 1. dio: Pozitronski emisijski tomografi (IEC 61675-1:202X)

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

prEN IEC 61131-9:2021 en  
Programmable controllers – Part 9: Single-drop digital communication interface for small sensors and actuators (SDCI) (IEC 61131-9:202X)  
Programirajući regulatori – 9. dio: Digitalno komunikacijsko sučelje jednospojnog voda za mala osjetila i aktuatori (SDCI) (IEC 61131-9:202X)

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

prEN IEC 60477:2021 en  
Laboratory DC resistors (IEC 60477:202X)  
Laboratorijski otpornici za istosmjernu struju (IEC 60477:202X)

prEN IEC 60477-2:2021 en  
Laboratory resistors – Part 2: Laboratory AC resistors (IEC 60477-2:202X)  
Laboratorijski otpornici – 2. dio: Laboratorijski otpornici za izmjeničnu struju (IEC 60477-2:202X)

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

prEN IEC 62623:2021 en  
Desktop and notebook computers – Measurement of energy consumption (TA 19) (IEC 62623:202X)  
Stolna i prijenosna računala – Mjerenje potrošnje energije (TA19) (IEC 62623:202X)

prEN IEC 63033-1:2021 en  
Multimedia Systems and equipment for vehicle – Surround view system – Part 1: General (IEC 63033-1:202X)  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 1. dio: Općenito (IEC 63033-1:202X)

prEN IEC 63033-2:2021 en  
Multimedia Systems and equipment for vehicle – Surround view system – Part 2: Recording methods of the surround view system (IEC 63033-2:202X)  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 2. dio: Metode snimanja u sustavima panoramskog pogleda (IEC 63033-2:202X)

prEN IEC 63033-3:2021 en  
Multimedia Systems and equipment for vehicle – Surround view system – Part 3: Measurement methods (IEC 63033-3:202X)  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 3. dio: Metode mjerenja (IEC 63033-3:202X)

prEN IEC 63033-4:2021 en  
Multimedia Systems and equipment for vehicle – Surround view system – Part 4: Application for Camera Monitor Systems (IEC 63033-4:202X)  
Multimedijски sustavi i oprema za vozila – Sustav panoramskog pogleda – 4. dio: Primjena u sustavima nadzora pomoću kamera (IEC 63033-4:202X)

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

prEN IEC 62764-1:2021 en  
Measurement procedures of magnetic field levels generated by electronic and electrical equipment in the automotive environment with respect to human exposure – Part 1: Low frequency magnetic fields (IEC 62764-1:202X)  
Postupci mjerenja razina magnetskih polja koja proizvodi elektronička i električna oprema u motornim vozilima s obzirom na izloženost ljudi – 1. dio: Niskofrekventna magnetska polja (IEC 62764-1:202X)

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

prEN 50715:2021 en  
Electromagnetic compatibility – Radio frequency emission – Statistical considerations in the determination of compliance for mass-produced products with emission requirements  
Elektromagnetska kompatibilnost – Radiofrekvencijsko zračenje – Statistička razmatranja u određivanju usklađenosti proizvoda masovne proizvodnje sa zahtjevima za zračenje

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

prEN IEC 60118:2021 en  
Electroacoustics – Hearing aids – Part 0: Measurement of the performance characteristics of hearing aids (IEC 60118-0:202X)  
Elektroakustika – Slušna pomagala – 0. dio: Mjerenje izvedbenih značajki slušnih pomagala (IEC 60118-0:202X)

prEN IEC 62127-1:2021 en  
Ultrasonics – Hydrophones – Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz (IEC 62127-1:202X)  
Ultrazvuk – Hidrofoni – 1. dio: Mjerenje i karakterizacija medicinskih ultrazvučnih polja do 40 MHz (IEC 62127-1:202X)

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

Draft EN 300 132-3 V2.1.13:2021 en  
Environmental Engineering (EE) – Power supply interface at the input of Information and Communication Technology (ICT) equipment – Part 3: Up to 400 V Direct Current (DC)  
Upravljanje okolišem (EE) – Sučelje izvora napajanja na ulazu opreme za informacijsku i komunikacijsku tehnologiju (ICT) – 3. dio: Do 400 V istosmjerna struja (DC)

Draft EN 301 192 V1.7.1:2021 en  
Digital Video Broadcasting (DVB) – DVB specification for data broadcasting  
Digitalna videodifuzija (DVB) – DVB specifikacija za radijski prijenos podataka

Draft EN 301 489-3 V2.1.2:2021 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU  
Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i službe – 3. dio: Posebni uvjeti za uređaje kratkoga dometa (SRD) na frekvencijama između 9 kHz i 246 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

- Draft EN 301 489-12 V3.1.2:2021 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 12: Specific conditions for Very Small Aperture Terminal – Satellite Interactive Earth Stations operated in the frequency ranges between 4 GHz and 30 GHz in the Fixed Satellite Service (FSS) – Harmonised Standard for electromagnetic compatibility  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 12. dio: Posebni uvjeti za terminal s vrlo malim promjerom antene (VSAT), satelitske interaktivne zemaljske postaje koje rade u frekvencijskim područjima između 4 GHz i 30 GHz u nepokretnoj satelitskoj službi (FSS) – Harmonizirana norma za elektromagnetsku kompatibilnost
- Draft EN 301 489-20 V2.1.2:2021 en  
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 20: Specific conditions for Mobile Earth Stations (MES) used in the Mobile Satellite Services (MSS) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU  
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 20. dio: Posebni uvjeti za pokretne zemaljske postaje (MES) koje se upotrebljavaju u pokretnim satelitskim službama (MSS) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU
- Draft EN 302 217-1 V3.3.0:2021 en  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu točka-točka i antene – 1. dio: Pregled, zajedničke karakteristike i zahtjevi neovisni o sustavu  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 1: Overview, common characteristics and system-independent requirements
- Draft EN 302 217-2 V3.3.0:2021 en  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2: Digital systems operating in frequency bands from 1 GHz to 86 GHz – Harmonised Standard for access to radio spectrum  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu točka-točka i antene – 2. dio: Digitalni sustavi koji rade u frekvencijskim pojasima od 1 GHz do 86 GHz – Harmonizirana norma za pristup radijskom spektru
- Draft EN 302 307-2 V1.3.1:2021 en  
Digital Video Broadcasting (DVB) – Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications – Part 2: DVB-S2 Extensions (DVB-S2X)  
Digitalna videodifuzija (DVB) – Druga generacija strukture okvira, kodiranja kanala i sustava modulacije za radiodifuziju, interaktivne servise, skupljanje informacija i druge širokopojasne satelitske aplikacije – 2. dio: DVB-S2 Proširenja (DVB-S2X)
- Draft EN 302 326-2 V2.1.0:2020 en  
Fixed Radio Systems – Multipoint Equipment and Antennas – Part 2: Harmonised Standard for access to radio spectrum  
Nepokretni radijski sustavi – Oprema i antene u sustavu više točaka – 2. dio: Harmonizirana norma za pristup radijskom spektru
- Draft EN 302 326-3 V2.1.0:2020 en  
Fixed Radio Systems – Multipoint Equipment and Antennas – Part 3: Multipoint Antennas  
Nepokretni radijski sustavi – Oprema i antene u sustavu više točaka – 3. dio: Antene u sustavu više točaka
- Draft EN 302 502 V2.1.3:2017 en  
Wireless Access Systems (WAS) – 5,8 GHz fixed broadband data transmitting systems – Harmonised Standard for access to radio spectrum  
Bežični pristupni sustavi (WAS) – 5,8 GHz nepokretni širokopojasni sustavi prijenosa podataka – Harmonizirana norma za pristup radijskom spektru
- Final draft EN 302 567 V2.2.1:2021 en  
Multiple-Gigabit/s radio equipment operating in the 60 GHz band – Harmonised Standard for access to radio spectrum  
Radijska oprema za brzine od više Gigabit/s koja radi u frekvencijskom pojasu od 60 GHz – Harmonizirana norma za pristup radijskom spektru
- Draft EN 303 372-1 V1.2.0:2021 en  
Satellite Earth Stations and Systems (SES) – Satellite broadcast reception equipment – Part 1: Outdoor unit receiving in the 10,7 GHz to 12,75 GHz frequency band – Harmonised Standard for access to radio spectrum  
Satelitske zemaljske postaje i sustavi (SES); Oprema za prijam satelitske radiodifuzije – 1. dio: Vanjska jedinica za prijam u frekvencijskom području od 10,7 GHz do 12,75 GHz – Harmonizirana norma za pristup radijskom spektru
- Draft EN 303 372-2 V1.2.0:2021 en  
Satellite Earth Stations and Systems (SES) – Satellite broadcast reception equipment – Part 2: Indoor unit – Harmonised Standard for access to radio spectrum  
Satelitske zemaljske postaje i sustavi (SES) – Oprema za prijam satelitske radiodifuzije – 2. dio: Unutarnja jedinica – Harmonizirana norma za pristup radijskom spektru
- Final draft EN 303 423 V1.3.0:2021 en  
Environmental Engineering (EE) – Electrical and electronic household and office equipment – Measurement of networked standby power consumption of Interconnecting equipment  
Upravljanje okolišem (EE) – Električna i elektronička kućanska i uredska oprema – Mjerenje mrežne potrošnje snage praznoga hoda povezujuće opreme
- Draft EN 303 676 V1.0.1:2021 en  
Navigation radar used on inland waterways – Operational, functional and technical requirements  
Navigacijski radar koji se upotrebljava na kopnenim vodenim putevima – Operativni, funkcionalni i tehnički zahtjevi
- Draft EN 303 758 V1.1.0:2021 en  
TETRA radio equipment using non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz – Harmonised Standard for access to radio spectrum  
TETRA radijska oprema koja primjenjuje promjenjivu modulaciju envelope u pojasnoj širini kanala od 25 kHz, 50 kHz, 100 kHz ili 150 kHz – Harmonizirana norma za pristup radijskom spektru

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

- ISO/IEC 2382-36:2019 en  
Information technology – Vocabulary – Part 36: Learning, education and training  
Informacijska tehnologija – Rječnik – 36. dio: Učenje, obrazovanje i osposobljavanje
- ISO/IEC 9594-8:2020 en  
Information technology – Open systems interconnection – Part 8: The Directory: Public-key and attribute certificate frameworks  
Informacijska tehnologija – Međusobno povezivanje otvorenih sustava – 8. dio: Imenik: Okviri certifikata javnog ključa i atributnog certifikata
- ISO/IEC 11770-5:2020 en  
Information security – Key management – Part 5: Group key management  
Informacijska sigurnost – Upravljanje ključem – 5. dio: Skupno upravljanje ključem
- ISO/IEC 18032:2020 en  
Information security – Prime number generation  
Informacijska sigurnost – Stvaranje prostoga broja
- ISO/IEC 24760-1:2019 en  
IT Security and Privacy – A framework for identity management – Part 1: Terminology and concepts  
Sigurnost IT-a i privatnost – Okvir za upravljanje identitetom – 1. dio: Terminologija i koncepcija
- ISO/IEC 27003:2017 en  
Information technology – Security techniques – Information security management systems – Guidance  
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Smjernice
- ISO/IEC 27007:2020 en  
Information security, cybersecurity and privacy protection – Guidelines for information security management systems auditing  
Informacijska sigurnost, kibernetička sigurnost i zaštita privatnosti – Smjernice za audit sustava upravljanja informacijskom sigurnošću

ISO/IEC 27009:2020 en  
Information security, cybersecurity and privacy protection  
– Sector-specific application of ISO/IEC 27001 – Requirements  
Informacijska sigurnost, kibernetička sigurnost i zaštita  
privatnosti – Sektorska primjena ISO/IEC 27001 – Zahtjevi

prEN ISO/IEC 29101 en  
Information technology – Security techniques – Privacy  
architecture framework

ISO/IEC 29192-2:2019 en  
Information security – Lightweight cryptography – Part 2:  
Block ciphers  
Informacijska sigurnost – Laka kriptografija – 2. dio: Enkripcija  
bloka podataka

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

prEN 17668 en  
Adhesives for floor coverings – Preparation of adhesive  
application – Test method for the determination of excessive  
humidity in subfloors

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

prEN 1009-6 en  
Machines for mechanical processing of minerals and similar  
solid materials – Safety – Part 6: Specific requirements for  
mobile machinery  
Strojevi za mehaničku obradu minerala i sličnih čvrstih  
materijala – Sigurnost – 6. dio: Posebni zahtjevi za pokretne  
strojeve

prEN ISO 6165 en  
Earth-moving machinery – Basic types – Identification and  
terms and definitions (ISO/DIS 6165:2021)  
Strojevi za zemljane radove – Osnovni tipovi – Identifikacija,  
nazivi i definicije (ISO/DIS 6165:2021)

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

prEN 4627 en  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418)  
– Air melted – Hardened and tempered – Forgings  
– De ≤ 200 mm – 1 150 MPa ≤ Rm ≤ 1 300 Mpa  
Zrakoplovstvo – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na  
zraku – Kaljen i termički obrađen – Otkivci – De ≤ 200 mm  
– 1 150 MPa ≤ Rm ≤ 1 300 MPa

prEN 4628 en  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air  
melted – Hardened and tempered – Bar – De ≤ 200 mm  
– 1 150 MPa ≤ Rm ≤ 1 300 Mpa  
Zrakoplovstvo – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na  
zraku – Kaljen i termički obrađen – Šipka – De = 200 mm  
– 1 150 MPa = Rm = 1 300 MPa

prEN 4881 en  
Aerospace series – Micro-arc oxidation of aluminium and  
aluminium alloys

prEN 4882 en  
Aerospace series – Steel X5CrNiCu 17-4 (1.4542) – Air  
melted – Solution treated and precipitation treated – Sheets  
and strips – a ≤ 6 mm – Rm ≥ 1 070 MPa

prEN 4883 en  
Aerospace series – Steel X5CrNiCu 17-4 (1.4542) – Air  
melted – Solution treated and precipitation treated – Plates  
– 6 mm ≤ a ≤ 100 mm – Rm ≥ 1 070 MPa

prEN 4884 en  
Aerospace series – Steel X3CrNiMoAl (13-8-2) – Vacuum  
induction melted and consumable electrode remelted  
– Solution treated and precipitation treated – Bars for  
machining – a or D ≤ 200 mm – 1 200 MPa ≤ Rm ≤ 1 350 MPa

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

prEN IEC 60512-99-002:2021 en  
Connectors for electrical and electronic equipment – Tests  
and measurements – Part 99-002: Endurance test schedules  
– Test 99b: Test schedule for unmating under electrical load  
(IEC 60512-99-002:202X)  
Konektori za električnu i elektroničku opremu – Ispitivanja  
i mjerenja – Dio 99-002: Rasporedi ispitivanja izdržljivosti  
– Ispitivanje 99b: Raspored ispitivanja za odvajanje pod  
električnim opterećenjem (IEC 60512-99-002:202X)

prEN IEC 60749-10:2021 en  
Semiconductor devices – Mechanical and climatic test  
methods – Part 10: Mechanical shock – device and  
subassembly (IEC 60749-10:202X)

prEN IEC 60966-2-8:2021 en  
Radio frequency and coaxial cable assemblies – Part 2-8:  
Detail specification for cable assemblies for radio and  
TV receivers – Frequency range up to 3000 MHz, Screening  
class A++, IEC 61169-47 connectors (IEC 60966-2-8:202X)

prEN IEC 60966-4-2:2021 en  
Radio frequency and coaxial cable assemblies – Part 4-2:  
Detail specification for semi rigid cable assemblies  
(jumper), Frequency range up to 6000 MHz, Type 50-9  
semi-rigid coaxial cable, applicable to ISO/IEC 11801-1  
(IEC 60966-4-2:202X)

prEN IEC 60966-4-3:2021 en  
Radio frequency and coaxial cable assemblies – Part 4-3:  
Detail specification for semi-rigid cable assemblies,  
Frequency range up to 6000 MHz, Type 50-12 low loss  
semi-rigid coaxial cable, applicable to ISO/IEC 11801-1  
(IEC 60966-4-3:202X)

prEN IEC 61169-1-5:2021 en  
Radio frequency connectors – Part 1-5: Electrical test methods  
– Rise time degradation (IEC 61169-1-5:202X)

prEN IEC 61169-1-6:2021 en  
Radio frequency connectors – Part 1-6: Electrical test methods  
– RF power (IEC 61169-1-6:202X)

prEN IEC 61169-21:2021 en  
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 61169-21:202X)

prEN IEC 61169-67:2021 en  
Radio frequency connectors – Part 67: Sectional specification  
for series TRL threaded triaxial connectors (IEC 61169-67:202X)

prEN IEC 61169-68:2021 en  
RADIO-FREQUENCY CONNECTORS – Part 68: Sectional  
specification for series TRK bayonet coupling triaxial  
connectors (IEC 61169-68:202X)

prEN IEC 63138-3:2021 en  
Multi radio frequency channel connector – Part 3:  
Sectional specification for MQ5 series circular connector  
(IEC 63138-3:202X)

prEN IEC 63182-3:2021 en  
Magnetic powder cores – Guidelines on dimensions  
and the limits of surface irregularities – Part 3: E-cores  
(IEC 63182-3:202X)

prEN IEC 63295:2021 en  
Specification for WB series glass beads with 50 Ω impedance  
for RF connectors (IEC 63295:202X)

## 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 6, *Papir, karton i pulpe*

HRN EN ISO 638:2008 en  
Papir, karton i pulpa – Određivanje sadržaja suhe tvari – Metoda sušenja (ISO 638:2008; EN ISO 638:2008)  
Paper, board and pulps – Determination of dry matter content – Oven-drying method (ISO 638:2008; EN ISO 638:2008)  
- zamijenjena s: HRN EN ISO 638-1:2021,  
HRN EN ISO 638-2:2021

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

HRN EN ISO 14557:2008 en  
Vatrogasne cijevi – Gumene i plastične usisne cijevi i cijevni sklopovi (ISO 14557:2002+Amd 1:2007; EN ISO 14557:2002+A1:2007)  
Fire-fighting hoses – Rubber and plastics suction hoses and hose assemblies (ISO 14557:2002+Amd 1:2007; EN ISO 14557:2002+A1:2007)  
- zamijenjena s: HRN EN ISO 14557:2021

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

HRN EN 786:2010 en  
Oprema za vrtove i parkove – Elektromotorni čistači za travu i rubnjake travnjaka – Sigurnost (EN 786:1996+A2:2009)  
Garden equipment – Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers – Mechanical safety (EN 786:1996+A2:2009)  
- bez zamjene

HRN ISO 789-1:2001 en  
Poljoprivredni traktori – Postupci ispitivanja – 1. dio: Ispitivanja snage motora s pomoću priključnog vratila (ISO 789-1:1990)  
Agricultural tractors – Test procedures – Part 1: Power tests for power take-off (ISO 789-1:1990)  
- bez zamjene

HRN ISO 789-2:2001 en  
Poljoprivredni traktori – Postupci ispitivanja – 2. dio: Ispitivanje hidrauličkog podizača s pomoću trozglobne poteznice (ISO 789-2:1993)  
Agricultural tractors – Test procedures – Part 2: Rear three-point linkage lifting capacity (ISO 789-2:1993)  
- bez zamjene

HRN ISO 789-3:2001 en  
Poljoprivredni traktori – Postupci ispitivanja – 3. dio: Promjeri okretanja traktora (ISO 789-3:1993)  
Agricultural tractors – Test procedures – Part 3: Turning and clearance diameters (ISO 789-3:1993)  
- bez zamjene

HRN ISO 789-6:2001 en  
Poljoprivredni traktori – Postupci ispitivanja – 6. dio: Težište (ISO 789-6:1982+A1:1996)  
Agricultural tractors – Test procedures – Part 6: Center of gravity (ISO 789-6:1982+A1:1996)  
- bez zamjene

HRN ISO 789-9:2001 en  
Poljoprivredni traktori – Postupci ispitivanja – 9. dio: Ispitivanja vučne snage traktora (ISO 789-9:1990+A1:1993)  
Agricultural tractors – Test procedures – Part 9: Power tests for drawbar (ISO 789-9:1990+A1:1993)  
- bez zamjene

HRN ISO 789-10:2001 en  
Poljoprivredni traktori – Metode ispitivanja – 10. dio: Hidraulička snaga na spoju traktor/priključno oruđe ili stroj (ISO 789-10:1996)  
Agricultural tractors – Test procedures – Part 10: Hydraulic power at tractor/implement interface (ISO 789-10:1996)  
- bez zamjene

HRN ISO 3339-0:2001 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Razredba i nazivlje – 0. dio: Sustav razredbe i razredba (ISO 3339-0:1986)  
Tractors and machinery for agriculture and forestry – Classification and terminology – Part 0: Classification system and classification (ISO 3339-0:1986)  
- bez zamjene

HRN ISO/TR 3778:2001 en  
Poljoprivredni traktori – Najveće dopuštene sile na ručicama i papučicama za upravljanje (ISO/TR 3778:1987)  
Agricultural tractors – Maximum actuating forces required to operate controls (ISO/TR 3778:1987)  
- bez zamjene

HRN EN ISO 4254-5:2010 en  
Poljoprivredna mehanizacija – Sigurnost – 5. dio: Pokretani strojevi i oruđa za obradu tla (ISO 4254-5:2008; EN ISO 4254-5:2009)  
Agricultural machinery – Safety – Part 5: Power-driven soil-working machines (ISO 4254-5:2008; EN ISO 4254-5:2009)  
- zamijenjena s: HRN EN ISO 4254-5:2021

HRN EN ISO 4254-5:2010/Ispr.1:2011 en  
Poljoprivredna mehanizacija – Sigurnost – 5. dio: Pokretani strojevi i oruđa za obradu tla (EN ISO 4254-5:2009/AC:2011)  
Agricultural machinery – Safety – Part 5: Power-driven soil-working machines (EN ISO 4254-5:2009/AC:2011)  
- zamijenjena s: HRN EN ISO 4254-5:2021

HRN ISO 5681:2001 en,fr  
Oprema za zaštitu bilja – Rječnik (ISO 5681:1992)  
Equipment for crop protection – Vocabulary (ISO 5681:1992)  
- bez zamjene

HRN ISO 5682-1:2001 en  
Oprema za zaštitu bilja – Oprema za prskanje – 1. dio: Način ispitivanja mlaznica (ISO 5682-1:1996)  
Equipment for crop protection – Spraying equipment – Part 1: Test methods for sprayer nozzles (ISO 5682-1:1996)  
- bez zamjene

HRN ISO 5682-2:2001 en  
Oprema za zaštitu bilja – Oprema za prskanje – 2. dio: Način ispitivanja prskalice (ISO 5682-2:1997)  
Equipment for crop protection – Spraying equipment – Part 2: Test methods for hydraulic sprayers (ISO 5682-2:1997)  
- bez zamjene

HRN ISO 5682-3:2001 en  
Oprema za zaštitu bilja – Oprema za prskanje – 3. dio: Način ispitivanja uređaja za određivanje količine škropiva po hektaru (ISO 5682-3:1996)  
Equipment for crop protection – Spraying equipment – Part 3: Test method for volume/hectare adjustment systems of agricultural hydraulic pressure sprayers (ISO 5682-3:1996)  
- bez zamjene

HRN ISO 8759-1:2001 en  
Poljoprivredni traktori s kotačima – Oprema koja se pripakča sprijeda – 1. dio: Priključno vratilo i trozglobna poteznica (ISO 8759-1:1998)  
Agricultural wheeled tractors – Front mounted equipment – Part 1: Power take-off and three-point linkage (ISO 8759-1:1998)  
- bez zamjene

HRN ISO 10625:2015 en  
Oprema za zaštitu bilja – Saprnice za prskanje – Kodiranje bojama za identifikaciju (ISO 10625:2005)  
Equipment for crop protection – Sprayer nozzles – Colour coding for identification (ISO 10625:2005)  
- bez zamjene

HRN ISO 10627-1:2001 en  
Poljoprivredne prskalice – Obrazac za podatke – 1. dio: Uobičajeni prikaz podataka (ISO 10627-1:1992)  
Agricultural sprayers – Data sheet – Part 1: Typical layout (ISO 10627-1:1992)  
- bez zamjene

HRN ISO 10627-2:2001 en  
Poljoprivredne prskalice – Obrazac za podatke – 2. dio: Tehnički podaci o dijelovima (ISO 10627-2:1996)  
Hydraulic agricultural sprayers – Data sheets – Part 2: Technical specifications related to components (ISO 10627-2:1996)  
- bez zamjene

HRN EN 12965:2010 en

Traktori i poljoprivredna i šumarska mehanizacija – Štitnici vratila za prijenos snage s traktora na strojeve i oruđa – Sigurnost (EN 12965:2003+A2:2009)  
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety (EN 12965:2003+A2:2009)  
- zamijenjena s: HRN EN 12965:2021

HRN EN 14017:2010 en

Poljoprivredna i šumarska mehanizacija – Raspodjeljivači za kruta gnojiva – Sigurnost (EN 14017:2005+A2:2009)  
Agricultural and forestry machinery – Solid fertilizer distributors – Safety (EN 14017:2005+A2:2009)  
- zamijenjena s: HRN EN ISO 4254-8:2018

HRN ISO 14223-1:2006 en

Radio-frekvencijska identifikacija životinja – Tehnički usavršeni transponderi – 1. dio: Zračna veza (kontakt) (ISO 14223-1:2003)  
Radio-frequency identification of animals – Advanced transponders – Part 1: Air interface (ISO 14223-1:2003)  
- bez zamjene

HRN ISO 14710:2001 en

Oprema za zaštitu bilja – Raspršivači – Mjere matica za pričvršćivanje mlaznica (ISO 14710:1996)  
Equipment for crop protection – Air-assisted sprayers – Dimensions of nozzle swivel nuts (ISO 14710:1996)  
- bez zamjene

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

HRN EN 10250-4:2003 en

Čelični otkivci za inženjersku uporabu dobiveni slobodnim kovanjem – 4. dio: Nehrađajući čelici (EN 10250-4:1999)  
Open die steel forgings for general engineering purposes – Part 4: Stainless steels (EN 10250-4:1999)  
- zamijenjena s: HRN EN 10250-4:2021

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

HRN ISO 2137:2009 en

Naftni proizvodi i maziva – Određivanje penetracije mazivih masti i petrolata pomoću čunja (ISO 2137:2007)  
Petroleum products and lubricants – Determination of cone penetration of lubricating greases and petrolatum (ISO 2137:2007)  
- zamijenjena s: HRN ISO 2137:2021

HRN ISO 6249:2004 en

Naftni proizvodi – Određivanje termičke oksidacijske stabilnosti goriva za plinske turbine – Metoda JFTOT (ISO 6249:1999)  
Petroleum products – Determination of thermal oxidation stability of gas turbine fuels – JFTOT method (ISO 6249:1999)  
- zamijenjena s: HRN ISO 6249:2021

HRN ISO 6743-6:2005 en

Maziva, industrijska ulja i srodni proizvodi (razred L) – Razredba – 6. dio: Podrazred C (zupčanici) (ISO 6743-6:1990)  
Lubricants, industrial oils and related products (class L) – Classification – Part 6: Family C (Gears) (ISO 6743-6:1990)  
- zamijenjena s: HRN ISO 6743-6:2021

HRN ISO 8697:2002 en

Nafta i naftni proizvodi – Obračun primopredaje – Procjena količine na brodu i preostale količine na brodu (ISO 8697:1999)  
Crude petroleum and petroleum products – Transfer accountability – Assessment of on board quantity (OBQ) and quantity remaining on board (ROB) (ISO 8697:1999)  
- bez zamjene

HRN ISO 13739:2011 en

Naftni proizvodi – Postupci pretakanja brodskih goriva u plovila (ISO 13739:2010)  
Petroleum products – Procedures for transfer of bunkers to vessels (ISO 13739:2010)  
- zamijenjena s: HRN ISO 13739:2021

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

HRN EN ISO 10140-1:2016 en

Akustika – Laboratorijsko mjerenje zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode (ISO 10140-1:2016; EN ISO 10140-1:2016)  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2016; EN ISO 10140-1:2016)  
- zamijenjena s: HRN EN ISO 10140-1:2021

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

HRN ISO 3166-2:2014 en,fr

Kodovi za označavanje imena država i njihovih pokrajina – 2. dio: Kodovi državnih pokrajina (ISO 3166-2:2013)  
Codes for the representation of names of countries and their subdivisions – Part 2: Country subdivision code (ISO 3166-2:2013)  
- zamijenjena s: HRN ISO 3166-2:2021

HRN ISO 3166-3:2014 en,fr

Kodovi za označavanje imena država i njihovih pokrajina – 3. dio: Kodovi bivših imena država (ISO 3166-3:2013)  
Codes for the representation of names of countries and their subdivisions – Part 3: Code for formerly used names of countries (ISO 3166-3:2013)  
- zamijenjena s: HRN ISO 3166-3:2021

HRN ISO 3297:2018 en

Informacije i dokumentacija – Međunarodni standardni broj serijske publikacije (ISSN) (ISO 3297:2017)  
Information and documentation – International standard serial number (ISSN) (ISO 3297:2017)  
- zamijenjena s: HRN ISO 3297:2021

HRN ISO 16175-1:2017 en

Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 1. dio: Pregled i načela (ISO 16175-1:2010)  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 1: Overview and statement of principles (ISO 16175-1:2010)  
- zamijenjena s: HRN ISO 16175-1:2021

HRN ISO 16175-2:2017 en

Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 2. dio: Smjernice i funkcionalni zahtjevi za sustave upravljanja digitalnim dokumentima (ISO 16175-2:2011)  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 2: Guidelines and functional requirements for digital records management systems (ISO 16175-2:2011)  
- zamijenjena s: HRS ISO/TS 16175-2:2021

HRN ISO 16175-3:2017 en

Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 3. dio: Smjernice i funkcionalni zahtjevi za zapise u poslovnim sustavima (ISO 16175-3:2010)  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 3: Guidelines and functional requirements for records in business systems (ISO 16175-3:2010)  
- zamijenjena s: HRS ISO/TS 16175-2:2021

## **HZN/TO 120, Koža i obuća**

HRN EN ISO 14931:2015 en

Koža – Upute za odabir kože za odjeću (isključujući krzna) (ISO 14931:2015; EN ISO 14931:2015)  
Leather – Guide to the selection of leather for apparel (excluding furs) (ISO 14931:2015; EN ISO 14931:2015)  
- zamijenjena s: HRN EN ISO 14931:2021

HRN EN ISO 18219:2015 en

Koža – Određivanje kloriranih ugljikovodika u koži – Kromatografska metoda za kratkolančane klorirane parafine (SCCP) (ISO 18219:2015; EN ISO 18219:2015)  
Leather – Determination of chlorinated hydrocarbons in leather – Chromatographic method for short-chain chlorinated paraffins (SCCP) (ISO 18219:2015; EN ISO 18219:2015)  
- zamijenjena s: HRN EN ISO 18219-1:2021,  
HRN EN ISO 18219-2:2021

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

HRN EN ISO 3452-1:2013 en  
Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (ISO 3452-1:2013, ispravljena verzija 2014-05-01; EN ISO 3452-1:2013)  
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2013, Corrected version 2014-05-01; EN ISO 3452-1:2013)  
- zamijenjena s: HRN EN ISO 3452-1:2021

HRN EN ISO 3452-2:2014 en  
Nerazorno ispitivanje – Ispitivanje penetrantima – 2. dio: Ispitivanje penetrantnih materijala (ISO 3452-2:2013; EN ISO 3452-2:2013)  
Non-destructive testing – Penetrant testing – Part 2: Testing of penetrant materials (ISO 3452-2:2013; EN ISO 3452-2:2013)  
- zamijenjena s: HRN EN ISO 3452-2:2021

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

HRN ISO 4427-1:2012 en  
Plastični cijevni sustavi – Polietilenske (PE) cijevi i spojnice za opskrbu vodom – 1. dio: Općenito (ISO 4427-1:2007)  
Plastic piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 1: General (ISO 4427-1:2007)  
- zamijenjena s: HRN ISO 4427-1:2021

HRN ISO 4427-2:2012 en  
Plastični cijevni sustavi – Polietilenske (PE) cijevi i spojnice za opskrbu vodom – 2. dio: Cijevi (ISO 4427-2:2007)  
Plastic piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 2: Pipes (ISO 4427-2:2007)  
- zamijenjena s: HRN ISO 4427-2:2021

HRN ISO 4427-3:2012 en  
Plastični cijevni sustavi – Polietilenske (PE) cijevi i spojnice za opskrbu vodom – 3. dio: Spojnice (ISO 4427-3:2007)  
Plastic piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 3: Fittings (ISO 4427-3:2007)  
- zamijenjena s: HRN ISO 4427-3:2021

HRN ISO 4427-5:2012 en  
Plastični cijevni sustavi – Polietilenske (PE) cijevi i spojnice za opskrbu vodom – 5. dio: Prikladnost sustava za uporabu (ISO 4427-5:2007)  
Plastic piping systems – Polyethylene (PE) pipes and fittings for water supply – Part 5: Fitness for purpose of the system (ISO 4427-5:2007)  
- zamijenjena s: HRN ISO 4427-5:2021

HRN ISO 4437:2008 en  
Ukopane polietilenske (PE) cijevi za opskrbu plinovitim gorivima – Metrički nizovi – Specifikacije (ISO 4437:2007)  
Buried polyethylene (PE) pipes for the supply of gaseous fuels – Metric series – Specifications (ISO 4437:2007)  
- zamijenjena s: HRN ISO 4437-1:2021, HRN ISO 4437-2:2021, HRN ISO 4437-3:2021, HRN ISO 4437-4:2021, HRN ISO 4437-5:2021

HRN ISO 10468:2008 en  
Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne specifične obodne puzne krutosti i proračun faktora puzanja pri vlažnim uvjetima (ISO 10468:2003)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the long-term specific ring creep stiffness under wet condition and calculation of the wet creep factor (ISO 10468:2003)  
- zamijenjena s: HRN ISO 10468:2021

HRN ISO 10468:2008/A1:2016 en  
Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne specifične obodne puzne krutosti i proračun faktora puzanja pri vlažnim uvjetima (ISO 10468:2003/Amd 1:2010)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the long-term specific ring creep stiffness under wet conditions and calculation of the wet creep factor (ISO 10468:2003/Amd 1:2010)  
- zamijenjena s: HRN ISO 10468:2021

HRN ISO 10471:2008 en  
Staklom ojačane duromerne (GRP) cijevi – Određivanje konačne dugotrajne savojne deformacije i konačnoga dugotrajnog relativnog obodnog progiba pri vlažnim uvjetima (ISO 10471:2003)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions (ISO 10471:2003)  
- zamijenjena s: HRN ISO 10471:2021

HRN ISO 10471:2008/A1:2016 en  
Staklom ojačane duromerne (GRP) cijevi – Određivanje konačne dugotrajne savojne deformacije i konačnoga dugotrajnog relativnog obodnog progiba pri vlažnim uvjetima (ISO 10471:2003/Amd 1:2010)  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the long-term ultimate bending strain and the long-term ultimate relative ring deflection under wet conditions (ISO 10471:2003/Amd 1:2010)  
- zamijenjena s: HRN ISO 10471:2021

HRN ISO 12176-1:2008 en  
Plastične cijevi i spojnice – Oprema za spajanje polietilenskih sustava zavarivanjem – 1. dio: Sučeljeno zavarivanje (ISO 12176-1:2006)  
Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 1: Butt fusion (ISO 12176-1:2006)  
- zamijenjena s: HRN ISO 12176-1:2021

HRN ISO 14828:2008 en  
Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne specifične relaksacijske obodne krutosti i proračun faktora relaksacije pri vlažnim uvjetima (ISO 14828:2003)  
Glass-reinforced thermosetting plastics (GRP) – Determination of the long-term ring relaxation stiffness under wet conditions and calculation of the wet relaxation factor (ISO 14828:2003)  
- bez zamjene

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

HRI CR 1350:2012 en  
Istraživanje sintakse postojećih formata za razmjenu namijenjenih zdravstvenoj zaštiti (CR 1350:1993)  
Investigation of syntaxes for existing interchange formats to be used in health care (CR 1350:1993)  
- bez zamjene

HRI CR 12161:2012 en  
Metoda definiranja profila u zdravstvenoj zaštiti (CR 12161:1995)  
A method for defining profiles for healthcare (CR 12161:1995)  
- bez zamjene

HRS ENV 12443:2012 en  
Medicinska informatika – Radni okvir za zdravstvene informacije (HIF) (ENV 12443:1999)  
Medical informatics – Healthcare Information Framework (HIF) (ENV 12443:1999)  
- bez zamjene

HRI CR 12587:2012 en  
Medicinska informatika – Metodologija za razvoj poruka u zdravstvu (CR 12587:1996)  
Medical informatics – Methodology for the development of healthcare messages (CR 12587:1996)  
- bez zamjene

HRS ENV 12612:2012 en  
Medicinska informatika – Poruke za razmjenu administrativnih informacija u zdravstvu (ENV 12612:1997)  
Medical informatics – Messages for the exchange of healthcare administrative information (ENV 12612:1997)  
- bez zamjene

HRS ENV 13609-2:2012 en  
Medicinska informatika – Poruke za potporu informacijama u zdravstvenome sustavu – 2. dio: Ažuriranje medicinskih informacija specifičnih za laboratorij (ENV 13609-2:2000)  
Health informatics – Messages for maintenance of supporting information in healthcare systems – Part 2: Updating of medical laboratory-specific information (ENV 13609-2:2000)  
- bez zamjene

HRS ENV 13730-1:2012 en  
Medicinska informatika – Poruke koje se odnose na transfuziju krvi – 1. dio: Poruke koje se odnose na subjekt zdravstvene skrbi (ENV 13730-1:2001)  
Health informatics – Blood transfusion related messages – Part 1: Subject of care related messages (ENV 13730-1:2001)  
- bez zamjene

HRS ENV 13730-2:2012 en  
Medicinska informatika – Poruke koje se odnose na transfuziju krvi – 2. dio: Poruke koje se odnose na proizvod (ENV 13730-2:2002)  
Healthcare informatics – Blood transfusion related messages – Part 2: Production related messages (BTR-PROD) (ENV 13730-2:2002)  
- bez zamjene

HRI CR 14301:2012 en  
Medicinska informatika – Radni okvir za sigurnosnu zaštitu komunikacije u zdravstvenoj zaštiti (CR 14301:2002)  
Health informatics – Framework for security protection of healthcare communication (CR 14301:2002)  
- bez zamjene

HRI CR 14302:2012 en  
Medicinska informatika – Radni okvir za sigurnosne zahtjeve za uređaje koji se povremeno spajaju (CR 14302:2002)  
Health informatics – Framework for security requirements for intermittently connected devices (CR 14302:2002)  
- bez zamjene

### **HZN/TO 238, Čvrsta biogoriva**

HRN EN ISO 17225-2:2014 en  
Čvrsta biogoriva – Specifikacije goriva i razredi – 2. dio: Klasifikacija drvnih peleta (ISO 17225-2:2014; EN ISO 17225-2:2014)  
Solid biofuels – Fuel specifications and classes – Part 2: Graded wood pellets (ISO 17225-2:2014; EN ISO 17225-2:2014)  
- zamijenjena s: HRN EN ISO 17225-2:2021

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

HRN EN 1254-1:2002 en  
Bakar i bakrene legure – Spojnice – 1. dio: Spojnice za kapilarno meko i tvrdo lemljenje bakrenih cijevi (EN 1254-1:1998)  
Copper and copper alloys – Plumbing fittings – Part 1: Fittings with ends for capillary soldering or capillary brazing to copper tubes (EN 1254-1:1998)  
- zamijenjena s: HRN EN 1254-1:2021

HRN EN 1254-2:2002 en  
Bakar i bakrene legure – Spojnice – 2. dio: Stezne spojnice za bakrene cijevi (EN 1254-2:1998)  
Copper and copper alloys – Plumbing fittings – Part 2: Fittings with compression ends for use with copper tubes (EN 1254-2:1998)  
- zamijenjena s: HRN EN 1254-2:2021

HRN EN 1254-3:2002 en  
Bakar i bakrene legure – Spojnice – 3. dio: Stezne spojnice za plastične cijevi (EN 1254-3:1998)  
Copper and copper alloys – Plumbing fittings – Part 3: Fittings with compression ends for use with plastics pipes (EN 1254-3:1998)  
- zamijenjena s: HRN EN 1254-3:2021

HRN EN 1254-4:2002 en  
Bakar i bakrene legure – Spojnice – 4. dio: Spojnice drugih izvedba krajeva za kapilarno lemljenje ili stezno spajanje bakrenih cijevi (EN 1254-4:1998+AC:1999)  
Copper and copper alloys – Plumbing fittings – Part 4: Fittings combining other end connections with capillary or compression ends (EN 1254-4:1998+AC:1999)  
- zamijenjena s: HRN EN 1254-4:2021

HRN EN 1254-5:2002 en  
Bakar i bakrene legure – Spojnice – 5. dio: Spojnice s kraćim utičnim krajevima za kapilarno tvrdo lemljenje bakrenih cijevi (EN 1254-5:1998)  
Copper and copper alloys – Plumbing fittings – Part 5: Fittings with short ends for capillary brazing to copper tubes (EN 1254-5:1998)  
- zamijenjena s: HRN EN 1254-5:2021

HRN EN 1254-6:2012 en  
Bakar i legure bakra – Vodovodne spojnice – 6. dio: Spojnice s krajevima za naglavljivanje (EN 1254-6:2012)  
Copper and copper alloys – Plumbing fittings – Part 6: Fittings with push-fit ends (EN 1254-6:2012)  
- zamijenjena s: HRN EN 1254-6:2021

HRN EN 1254-8:2012 en

Bakar i legure bakra – Vodovodne spojnice – 8. dio: Spojnice s krajevima za utiskivanje za upotrebu s plastičnim i višeslojnim cijevima (EN 1254-8:2012)  
Copper and copper alloys – Plumbing fittings – Part 8: Fittings with press ends for use with plastics and multilayer pipes (EN 1254-8:2012)  
- zamijenjena s: HRN EN 1254-8:2021

HRN EN 10085:2001 en  
Čelici za nitriranje – Tehnički uvjeti isporuke (EN 10085:2001)  
Nitriding steels – Technical delivery conditions (EN 10085:2001)  
- zamijenjena s: HRN EN ISO 683-5:2021

HRN EN 13601:2014 en  
Bakar i legure bakra – Bakrena vučena žica, šipka i žica za opću primjenu u elektrotehnici (EN 13601:2013)  
Copper and copper alloys – Copper rod, bar and wire for general electrical purposes (EN 13601:2013)  
- zamijenjena s: HRN EN 13601:2021

HRN EN 13603:2014 en  
Bakar i legure bakra – Metode ispitivanja za ocjenu zaštitnih kositrenih prevlaka na vučenoj okrugloj bakrenoj žici za primjenu u elektrotehnici (EN 13603:2013)  
Copper and copper alloys – Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes (EN 13603:2013)  
- zamijenjena s: HRN EN 13603:2021

HRN EN 13605:2014 en  
Bakar i legure bakra – Bakreni profili i profilirana žica za primjenu u elektrotehnici (EN 13605:2013)  
Copper and copper alloys – Copper profiles and profiled wire for electrical purposes (EN 13605:2013)  
- zamijenjena s: HRN EN 13605:2021

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

HRN EN ISO 1463:2007 en  
Metalne i oksidne prevlake – Mjerenje debljine prevlaka – Mikroskopska metoda (ISO 1463:2003; EN ISO 1463:2004)  
Metallic and oxide coatings – Measurement of coating thickness – Microscopical method (ISO 1463:2003; EN ISO 1463:2004)  
- zamijenjena s: HRN EN ISO 1463:2021

HRN EN ISO 3613:2010 en  
Metalne i druge anorganske prevlake – Kromatne konverzijske prevlake na cinku, kadmiju, aluminij-cink legurama i cink-aluminij legurama – Metode ispitivanja (ISO 3613:2010; EN ISO 3613:2010)  
Metallic and other inorganic coatings – Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods (ISO 3613:2010; EN ISO 3613:2010)  
- zamijenjena s: HRN EN ISO 3613:2021

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

HRN ISO 4301-2:2014 en  
Granici – Podjela u pogonske skupine – 2. dio: Mobilni granici (ISO 4301-2:2009)  
Cranes – Classification – Part 2: Mobile cranes (ISO 4301-2:2009)  
- zamijenjena s: HRN ISO 4301-2:2021

HRN ISO 7296-2:2002 en  
Granici – Grafički simboli – 2. dio: Mobilni granici (ISO 7296-2:1996)  
Cranes – Graphical symbols – Part 2: Mobile cranes (ISO 7296-2:1996)  
- zamijenjena s: HRN ISO 7296-2:2021

HRN ISO 8686-2:2004 en  
Granici – Proračunska opterećenja i njihove kombinacije – 2. dio: Mobilni granici (ISO 8686-2:2004)  
Cranes – Design principles for loads and load combinations – Part 2: Mobile cranes (ISO 8686-2:2004)  
- zamijenjena s: HRN ISO 8686-2:2021

HRN ISO 8686-3:2001 en  
Granici – Proračunska opterećenja i njihove kombinacije – 3. dio: Toranjski granici (ISO 8686-3:1998)  
Cranes – Design principles for loads and load combinations – Part 3: Tower cranes (ISO 8686-3:1998)  
- zamijenjena s: HRN ISO 8686-3:2021

HRN ISO 9942-3:2002 en



Granici – Identifikacijske oznake – 3. dio: Toranjski granici (ISO 9942-3:1999)  
Cranes – Information labels – Part 3: Tower cranes (ISO 9942-3:1999)  
- zamijenjena s: HRN ISO 9942-3:2021

HRN ISO 10245-1:2014 en  
Granici – Uređaji za ograničavanje i signaliziranje – 1. dio: Općenito (ISO 10245-1:2008)  
Cranes – Limiting and indicating devices – Part 1: General (ISO 10245-1:2008)  
- zamijenjena s: HRN ISO 10245-1:2021

HRN ISO 10245-3:2014 en  
Granici – Uređaji za ograničavanje i signaliziranje – 3. dio: Toranjski granici (ISO 10245-3:2008)  
Cranes – Limiting and indicating devices – Part 3: Tower cranes (ISO 10245-3:2008)  
- zamijenjena s: HRN ISO 10245-3:2021

HRN ISO 12485:2002 en  
Toranjski granici – Zahtjevi stabilnosti (ISO 12485:1998)  
Tower cranes – Stability requirements (ISO 12485:1998)  
- zamijenjena s: HRN ISO 8686-3:2021

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

HRN EN ISO 1402:2010 en  
Gumena i plastična crijeva i crijevni uređaji – Hidrostatičko ispitivanje (ISO 1402:2009; EN ISO 1402:2009)  
Rubber and plastics hoses and hose assemblies – Hydrostatic testing (ISO 1402:2009; EN ISO 1402:2009)  
- zamijenjena s: HRN EN ISO 1402:2021

HRN EN ISO 7233:2016 en  
Gumena i plastična crijeva i crijevni uređaji – Određivanje podtladne čvrstoće (ISO 7233:2016; EN ISO 7233:2016)  
Rubber and plastics hoses and hose assemblies – Determination of resistance to vacuum (ISO 7233:2016; EN ISO 7233:2016)  
- zamijenjena s: HRN EN ISO 7233:2021

HRN EN ISO 14632:2008 en  
Ekstrudirane polietilenske ploče (PE-HD) – Zahtjevi i ispitne metode (ISO 14632:1998; EN ISO 14632:1998)  
Extruded sheets of polyethylene (PE-HD) – Requirements and test methods (ISO 14632:1998; EN ISO 14632:1998)  
- zamijenjena s: HRN EN ISO 14632:2021

HRN EN 15344:2008 en  
Plastika – Reciklirana plastika – Karakterizacija polietilenskih (PE) reciklata (EN 15344:2007)  
Plastics – Recycled Plastics – Characterisation of Polyethylene (PE) recyclates (EN 15344:2007)  
- zamijenjena s: HRN EN 15344:2021

HRN EN 16296:2012 en  
Nesavršenosti u termoplastičnim zavarenim spojevima – Razine kvalitete (EN 16296:2012)  
Imperfections in thermoplastics welded joints – Quality levels (EN 16296:2012)  
- zamijenjena s: HRN EN 16296:2021

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

HRN EN 1627:2012 en  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Zahtjevi i razredba (EN 1627:2011)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Requirements and classification (EN 1627:2011)  
- zamijenjena s: HRN EN 1627:2021

HRN EN 1628:2016 en  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Metoda ispitivanja za određivanje otpornosti pod statičkim opterećenjem (EN 1628:2011+A1:2015)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under static loading (EN 1628:2011+A1:2015)  
- zamijenjena s: HRN EN 1628:2021

HRN EN 1629:2016 en  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Metoda ispitivanja za određivanje otpornosti pod dinamičkim opterećenjem (EN 1629:2011+A1:2015)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance under dynamic loading (EN 1629:2011+A1:2015)  
- zamijenjena s: HRN EN 1629:2021

HRN EN 1630:2016 en  
Vrata za pješake, prozori, ovještene fasade, rešetke i kapci – Otpornost na provalu – Metoda ispitivanja za određivanje otpornosti na provalu priručnim alatom (EN 1630:2011+A1:2015)  
Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance – Test method for the determination of resistance to manual burglary attempts (EN 1630:2011+A1:2015)  
- zamijenjena s: HRN EN 1630:2021

HRN EN 16758:2016 en  
Ovještene fasade – Određivanje čvrstoće posmičnih spojeva – Metoda ispitivanja i zahtjevi (EN 16758:2016)  
Curtain walling – Determination of the strength of sheared connections – Test method and requirements (EN 16758:2016)  
- zamijenjena s: HRN EN 16758:2021

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

HRN EN ISO 7083:2008 en  
Tehnički crteži – Simboli za geometrijske tolerancije – Proporcije i dimenzije (ISO 7083:1983; EN ISO 7083:1994)  
Technical drawings – Symbols for geometrical tolerancing – Proportions and dimensions (ISO 7083:1983; EN ISO 7083:1994)  
- zamijenjena s: HRN EN ISO 7083:2021

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

HRN EN 1018:2015 en  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kalcijev karbonat (EN 1018:2013+A1:2015)  
Chemicals used for treatment of water intended for human consumption – Calcium carbonate (EN 1018:2013+A1:2015)  
- zamijenjena s: HRN EN 1018:2021

HRN EN 1488:2005 en  
Ventili u zgradama – Ekspanzijske skupine – Ispitivanja i zahtjevi (EN 1488:2000)  
Building valves – Expansion groups – Tests and requirements (EN 1488:2000)  
- zamijenjena s: HRN EN 1488:2021

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

HRN EN ISO 13408-6:2011 en  
Aseptički postupci za proizvode zdravstvene zaštite – 6. dio: Sustavi izolacije (ISO 13408-6:2005; EN ISO 13408-6:2011)  
Aseptic processing of health care products – Part 6: Isolator systems (ISO 13408-6:2005; EN ISO 13408-6:2011)  
- zamijenjena s: HRN EN ISO 13408-6:2021

HRN EN ISO 13408-6:2011/A1:2013 en  
Aseptički postupci za proizvode zdravstvene zaštite – 6. dio: Sustavi izolacije (ISO 13408-6:2005/Amd 1:2013; EN ISO 13408-6:2011/A1:2013)  
Aseptic processing of health care products – Part 6: Isolator systems (ISO 13408-6:2005/Amd 1:2013; EN ISO 13408-6:2011/A1:2013)  
- zamijenjena s: HRN EN ISO 13408-6:2021

HRN EN ISO 17511:2008 en  
Medicinski proizvodi za in vitro dijagnostiku – Mjerenje količina u uzorcima biološkog podrijetla – Metrološka sljedivost vrijednosti sadržaja označenih za mjerače i ispitne tvari (ISO 17511:2003; EN ISO 17511:2003)  
In vitro diagnostic medical devices – Measurement of quantities in biological samples – Metrological traceability of values assigned to calibrators and control materials (ISO 17511:2003; EN ISO 17511:2003)  
- zamijenjena s: HRN EN ISO 17511:2021

HRN EN ISO/IEC 80369-7:2017 en  
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 7. dio: Spojnici za intravaskularnu ili potkožnu primjenu (ISO 80369-7:2016, ispravljena verzija 2016-12-01; EN ISO 80369-7:2017)  
Small-bore connectors for liquids and gases in healthcare applications – Part 7: Connectors for intravascular or hypodermic applications (ISO 80369-7:2016, Corrected version 2016-12-01; EN ISO 80369-7:2017)  
- zamijenjena s: HRN EN ISO 80369-7:2021

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

HRN EN 22313:2008 en  
Tkanine – Određivanje oporavka nakon gužvanja horizontalno presavijenog uzorka mjerenjem kuta oporavka (ISO 2313:1972; EN 22313:1992)  
Textile fabrics – Determination of the recovery from creasing of a horizontally folded specimen by measuring the angle of recovery (ISO 2313:1972; EN 22313:1992)  
- zamijenjena s: HRN EN ISO 2313-1:2021,  
HRN EN ISO 2313-2:2021

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

HRN EN 691-1:2013 en  
Sigurnost strojeva za obradu drva – 1. dio: Opći zahtjevi (EN 691-1:2012)  
Safety of woodworking machines – Part 1: Common requirements (EN 691-1:2012)  
- zamijenjena s: HRN EN ISO 19085-1:2017

HRN EN 859:2013 en  
Sigurnost strojeva za obradu drva – Ručno vođeni strojevi za blanjanje površine (EN 859:2007+A2:2012)  
Safety of woodworking machines – Hand fed surface planing machines (EN 859:2007+A2:2012)  
- zamijenjena s: HRN EN ISO 19085-7:2021

HRN EN 860:2013 en  
Sigurnost strojeva za obradu drva – Strojevi za jednostrano blanjanje (EN 860:2007+A2:2012)  
Safety of woodworking machines – One side thickness planing machines (EN 860:2007+A2:2012)  
- zamijenjena s: HRN EN ISO 19085-7:2021

HRN EN 861:2013 en  
Sigurnost strojeva za obradu drva – Strojevi za blanjanje površina i blanjanje na debljinu (EN 861:2007+A2:2012)  
Safety of woodworking machines – Surface planing and thicknessing machines (EN 861:2007+A2:2012)  
- zamijenjena s: HRN EN ISO 19085-7:2021

HRN EN 1114-3:2008 en  
Strojevi za gumu i plastiku – Ekstruderi i linije za ekstrudiranje – 3. dio: Sigurnosni zahtjevi za izvlačenje (EN 1114-3:2001+A1:2008)  
Plastics and rubber machines – Extruders and extrusion lines – Part 3: Safety requirements for haul-offs (EN 1114-3:2001+A1:2008)  
- zamijenjena s: HRN EN 1114-3:2021

HRN EN 1612-1:2008 en  
Strojevi za gumu i plastiku – Strojevi za oblikovanje kalupljenjem – 1. dio: Sigurnosni zahtjevi za jedinice za mjerenje i miješanje (EN 1612-1:1997+A1:2008)  
Plastics and rubber machines – Reaction moulding machines – Part 1: Safety requirements for metering and mixing units (EN 1612-1:1997+A1:2008)  
- zamijenjena s: HRN EN 1612:2021

HRN EN 1870-13:2012 en  
Sigurnost strojeva za obradu drveta – Kružne pile – 13. dio: Horizontalne kružne pile za ploče s pritisnim uređajem (EN 1870-13:2007+A2:2012)  
Safety of woodworking machines – Circular sawing machines – Part 13: Horizontal beam panel sawing machines (EN 1870-13:2007+A2:2012)  
- zamijenjena s: HRN EN ISO 19085-2:2017

HRN EN 1870-14:2012 en  
Sigurnost strojeva za obradu drveta – Kružne pile – 14. dio: Vertikalne kružne pile za ploče (EN 1870-14:2007+A2:2012)  
Safety of woodworking machines – Circular sawing machines – Part 14: Vertical panel sawing machines (EN 1870-14:2007+A2:2012)  
- zamijenjena s: HRN EN ISO 19085-4:2018

HRN EN 12301:2008 en  
Strojevi za gumu i plastiku – Strojevi za izradu folija – Sigurnosni zahtjevi (EN 12301:2000+A1:2008)  
Plastics and rubber machines – Calenders – Safety requirements (EN 12301:2000+A1:2008)  
- zamijenjena s: HRN EN 12301:2021

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

HRN EN 1034-1:2010 en  
Sigurnost strojeva – Sigurnosni zahtjevi za projektiranje i konstrukciju strojeva za izradu i završnu obradu papira – 1. dio: Opći zahtjevi (EN 1034-1:2000+A1:2010)  
Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 1: Common requirements (EN 1034-1:2000+A1:2010)  
- zamijenjena s: HRN EN 1034-1:2021

HRN EN 1672-2:2009 en  
Strojevi za preradu hrane – Osnovni pojmovi – 2. dio: Higijenski zahtjevi (EN 1672-2:2005+A1:2009)  
Food processing machinery – Basic concepts – Part 2: Hygiene requirements (EN 1672-2:2005+A1:2009)  
- zamijenjena s: HRN EN 1672-2:2021

HRI CEN/TR 15623:2009 en  
Strojevi za preradu hrane – Upute – Materijali u kontaktu s hranom (CEN/TR 15623:2008)  
Food processing machinery – Route map – Materials for food area (CEN/TR 15623:2008)  
- bez zamjene

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

HRN EN ISO 14501:2008 en  
Mlijeko i mlijeko u prahu – Određivanje sadržaja aflatoksina M1 – Pročišćavanje pomoću imunoafinitetne kromatografije i određivanje pomoću tekućinske kromatografije visoke djelotvornosti (ISO 14501:2007; EN ISO 14501:2007)  
Milk and milk powder – Determination of aflatoxin M1 content – Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography (ISO 14501:2007; EN ISO 14501:2007)  
- zamijenjena s: HRN EN ISO 14501:2021

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

HRN EN 15359:2012 en  
Kruta oporabljen goriva – Specifikacije i klase (EN 15359:2011)  
Solid recovered fuels – Specifications and classes (EN 15359:2011)  
- zamijenjena s: HRN EN ISO 21640:2021

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

HRN EN 60034-2-1:2008 en  
Rotacijski električni strojevi – Dio 2-1: Normirane metode određivanja gubitaka i korisnosti ispitivanjima (isključujući strojeve za vučna vozila) (IEC 60034-2-1:2007; EN 60034-2-1:2007)  
Rotating electrical machines – Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (IEC 60034-2-1:2007; EN 60034-2-1:2007)  
- zamijenjena s: HRN EN 60034-2-1:2014

HRN EN 60034-12:2008 en  
Rotacijski električni strojevi – 12. dio: Zaletna svojstva jednobrzinskih trofaznih kaveznih indukcijskih motora (IEC 60034-12:2002+am1:2007; EN 60034-12:2002+A1:2007)  
Rotating electrical machines – Part 12: Starting performance of single-speed three-phase cage induction motors (IEC 60034-12:2002+am1:2007; EN 60034-12:2002+A1:2007)  
- zamijenjena s: HRN EN 60034-12:2017

HRS CLC/TS 60034-18-42:2012 en  
Rotacijski električni strojevi – Dio 18-42: Kvalifikacija i prijamna ispitivanja električnih sustava izolacije otpornih na parcijalna izbijanja (tip II) koji se upotrebljavaju u rotacijskim električnim strojevima napajanim iz pretvarača napona (IEC/TS 60034-18-42:2008; CLC/TS 60034-18-42:2011)  
Rotating electrical machines – Part 18-42: Qualification and acceptance tests for partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters (IEC/TS 60034-18-42:2008; CLC/TS 60034-18-42:2011)  
- zamijenjena s: HRN EN 60034-18-42:2017

HRS CLC/TS 60034-27:2012 en  
Rotacijski električni strojevi – 27. dio: Mjerenje parcijalnih izbijanja izvan pogona na izolaciji statorskih svitaka rotacijskih električnih strojeva (IEC/TS 60034-27:2006; CLC/TS 60034-27:2011)  
Rotating electrical machines – Part 27: Off-line partial discharge measurements on the stator winding insulation of rotating electrical machines (IEC/TS 60034-27:2006; CLC/TS 60034-27:2011)  
- zamijenjena s: HRN EN IEC 60034-27-4:2018

HRN EN 60034-30:2012 en  
Rotacijski električni strojevi – 30. dio: Razredi učinkovitosti jednobrzinskih trofaznih kaveznihi motora (IE kod) (IEC 60034-30:2008; EN 60034-30:2009)  
Rotating electrical machines – Part 30: Efficiency classes of single-speed, three-phase, cage-induction motors (IE-code) (IEC 60034-30:2008; EN 60034-30:2009)  
- zamijenjena s: HRN EN 60034-30-1:2014

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

HRN EN 50541-2:2013 en  
Trofazni suhi distributivni transformatori, 50 Hz, 100 do 3150 kVA, najvećeg napona opreme do 36 kV – 2. dio: Određivanje nazivne snage transformatora pri nesinusnoj struji (EN 50541-2:2013)  
Three phase dry-type distribution transformers 50 Hz, from 100 kVA to 3150 kVA, with highest voltage for equipment not exceeding 36 kV – Part 2: Determination of loadability of a transformer loaded with non-sinusoidal current (EN 50541-2:2013)  
- bez zamjene

HRN EN 50588-1:2015 en  
Trofazni transformatori srednjeg napona, 50 Hz, najvećeg napona opreme do 36 kV – 1. dio: Opći zahtjevi (EN 50588-1:2015)  
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements (EN 50588-1:2015)  
- zamijenjena s: HRN EN 50588-1:2017

HRN EN 50588-1:2015/A1:2016 en  
Trofazni transformatori srednjeg napona, 50 Hz, najvećeg napona opreme do 36 kV – 1. dio: Opći zahtjevi (EN 50588-1:2015/A1:2016)  
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements (EN 50588-1:2015/A1:2016)  
- zamijenjena s: HRN EN 50588-1:2017

## **HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali**

HRN HD 380 S2:2005 en  
Ispitne metode za procjenu otpornosti prema kliznim strujama i razaranju električnih izolacijskih materijala upotrebljivanih pri različitim uvjetima okoline (IEC 60587:1984; HD 380 S2:1987)  
Test method for evaluating resistance to tracking and erosion of electrical insulating materials used under severe ambient conditions (IEC 60587:1984; HD 380 S2:1987)  
- bez zamjene

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

HRN EN 50041:2008 en  
Niskonaponska sklopna aparatura za upotrebu u industriji – Upravljačke sklopke – pozicijske sklopke 42,5 x 80 – Dimenzije i karakteristike (EN 50041:1981)  
Low-voltage switchgear and controlgear for industrial use – Control switches – Position switches 42,5 x 80 – Dimensions and characteristics (EN 50041:1981)  
- zamijenjena s: HRN EN 50041:2019

HRN EN 50047:2008 en  
Niskonaponska sklopna aparatura za upotrebu u industriji – Upravljačke sklopke – Pozicijske sklopke 30 x 55 – Dimenzije i karakteristike (EN 50047:1981)  
Low-voltage switchgear and controlgear for industrial use – Control switches – Position switches 30 x 55 – Dimensions and characteristics (EN 50047:1981)  
- zamijenjena s: HRN EN 50047:2019

HRN EN 50052:2008 en  
Lijevana kućišta od aluminijskih legura za visokonaponske sklopne aparature punjene plinom (EN 50052:1986+A2:1993)  
Cast aluminium alloy enclosures for gas-filled high-voltage switchgear and controlgear (EN 50052:1986+A2:1993)  
- zamijenjena s: HRN EN 50052:2017

HRN EN 50064:2008/Ispr.1:2014 en  
Kućišta izrađena od aluminija i aluminijskih legura za visokonaponske sklopne aparature punjene plinom (EN 50064:1989/A1:1993/AC:2007)  
Wrought aluminium and aluminium alloy enclosures for gas-filled high-voltage switchgear and controlgear (EN 50064:1989/A1:1993/AC:2007)  
- zamijenjena s: HRN EN 50064:2018

HRN EN 60715:2008 en  
Dimenzije niskonaponskih sklopnih aparatura – Unificirano postavljanje električnih aparata i uređaja na profile nosače u instalacijama sklopnih aparatura (IEC 60715:1981+am1:1995; EN 60715:2001)  
Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of electrical devices in switchgear and controlgear installations (IEC 60715:1981+am1:1995; EN 60715:2001)  
- zamijenjena s: HRN EN 60715:2018

HRN EN 60947-2:2008 en  
Niskonaponska sklopna aparatura – 2. dio: Prekidači (IEC 60947-2:2006; EN 60947-2:2006)  
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers (IEC 60947-2:2006; EN 60947-2:2006)  
- zamijenjena s: HRN EN 60947-2:2017

HRN EN 60947-2:2008/A1:2011 en  
Niskonaponska sklopna aparatura – 2. dio: Prekidači (IEC 60947-2:2006/am1:2009; EN 60947-2:2006/A1:2009)  
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers (IEC 60947-2:2006/am1:2009; EN 60947-2:2006/A1:2009)  
- zamijenjena s: HRN EN 60947-2:2017

HRN EN 60947-2:2008/A2:2013 en  
Niskonaponska sklopna aparatura – 2. dio: Prekidači (IEC 60947-2:2006/am2:2013; EN 60947-2:2006/A2:2013)  
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers (IEC 60947-2:2006/am2:2013; EN 60947-2:2006/A2:2013)  
- zamijenjena s: HRN EN 60947-2:2017

HRN EN 60947-4-3:2005 en  
Niskonaponska sklopna aparatura – Dio 4-3: Sklopnici i motorski pokretači – Poluvodički kontroleri i sklopnici za nemotorske terete za izmjeničnu struju (IEC 60947-4-3:1999; EN 60947-4-3:2000)  
Low voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – AC semiconductor controllers and contactors for non-motor loads (IEC 60947-4-3:1999; EN 60947-4-3:2000)  
- zamijenjena s: HRN EN 60947-4-3:2014

HRN EN 60947-4-3:2005/A1:2008 en  
Niskonaponska sklopna aparatura – Dio 4-3: Sklopnici i motorski pokretači – Poluvodički kontroleri i sklopnici za nemotorske terete za izmjeničnu struju (IEC 60947-4-3:1999/am1:2006; EN 60947-4-3:2000/A1:2006)  
Low-voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – AC semiconductor controllers and contactors for non-motor loads (IEC 60947-4-3:1999/am1:2006; EN 60947-4-3:2000/A1:2006)  
- zamijenjena s: HRN EN 60947-4-3:2014

HRN EN 60947-4-3:2005/A2:2012 en  
Niskonaponska sklopna aparatura – Dio 4-3: Sklopnici i motorski pokretači – Poluvodički kontroleri i sklopnici za nemotorske terete za izmjeničnu struju (IEC 60947-4-3:1999/am2:2011; EN 60947-4-3:2000/A2:2011)  
Low-voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – AC semiconductor controllers and contactors for non-motor loads (IEC 60947-4-3:1999/am2:2011; EN 60947-4-3:2000/A2:2011)  
- zamijenjena s: HRN EN 60947-4-3:2014

- HRN EN 60947-5-1:2008 en  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (IEC 60947-5-1:2003; EN 60947-5-1:2004)  
Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (IEC 60947-5-1:2003; EN 60947-5-1:2004)  
- zamijenjena s: HRN EN 60947-5-1:2018
- HRN EN 60947-5-1:2008/A1:2010 en  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (IEC 60947-5-1:2003/am1:2009; EN 60947-5-1:2004/A1:2009)  
Low voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (IEC 60947-5-1:2003/am1:2009; EN 60947-5-1:2004/A1:2009)  
- zamijenjena s: HRN EN 60947-5-1:2018
- HRN EN 60947-5-1:2008/Ispr.1:2012 en  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (EN 60947-5-1:2004/AC:2005)  
Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (EN 60947-5-1:2004/AC:2005)  
- zamijenjena s: HRN EN 60947-5-1:2018
- HRN EN 60947-5-1:2008/Ispr.2:2014 en  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (EN 60947-5-1:2004/AC:2004)  
Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (EN 60947-5-1:2004/AC:2004)  
- zamijenjena s: HRN EN 60947-5-1:2018
- HRN EN 61439-5:2012 en  
Niskonaponski sklopni blokovi – 5. dio: Blokovi za distribuciju u javnim mrežama (IEC 61439-5:2010; EN 61439-5:2011)  
Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2010; EN 61439-5:2011)  
- zamijenjena s: HRN EN 61439-5:2015
- HRN EN 62026-3:2010 en  
Niskonaponska sklopna aparatura – Sučelja kontroler-uređaj (CDIs) – 3. dio: DeviceNet (IEC 62026-3:2008; EN 62026-3:2009)  
Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 3: DeviceNet (IEC 62026-3:2008; EN 62026-3:2009)  
- zamijenjena s: HRN EN 62026-3:2015
- HRN EN 62271-1:2010 en  
Visokonaponska sklopna aparatura – 1. dio: Zajedničke odredbe (IEC 62271-1:2007; EN 62271-1:2008)  
High-voltage switchgear and controlgear – Part 1: Common specifications (IEC 62271-1:2007; EN 62271-1:2008)  
- zamijenjena s: HRN EN 62271-1:2017
- HRN EN 62271-1:2010/A1:2012 en  
Visokonaponska sklopna aparatura – 1. dio: Zajedničke odredbe (IEC 62271-1:2007/am1:2011; EN 62271-1:2008/A1:2011)  
High-voltage switchgear and controlgear – Part 1: Common specifications (IEC 62271-1:2007/am1:2011; EN 62271-1:2008/A1:2011)  
- zamijenjena s: HRN EN 62271-1:2017
- HRN EN 62271-3:2008 en  
Visokonaponska sklopna aparatura – 3. dio: Digitalno sučelje temeljeno na IEC 61850 (IEC 62271-3:2006; EN 62271-3:2006)  
High-voltage switchgear and controlgear – Part 3: Digital interfaces based on IEC 61850 (IEC 62271-3:2006; EN 62271-3:2006)  
- zamijenjena s: HRN EN 62271-3:2015
- HRN EN 62271-104:2010 en  
Visokonaponska sklopna aparatura – 104. dio: Sklopke izmjenične struje za nazivne napone 52 kV i više (IEC 62271-104:2009; EN 62271-104:2009)  
High-voltage switchgear and controlgear – Part 104: Alternating current switches for rated voltages of 52 kV and above (IEC 62271-104:2009; EN 62271-104:2009)  
- zamijenjena s: HRN EN 62271-104:2015
- HRN EN 62271-110:2013 en  
Visokonaponska sklopna aparatura – 110. dio: Sklapanje induktivnih tereta (IEC 62271-110:2012+Corr.1:2012; EN 62271-110:2012)  
High-voltage switchgear and controlgear – Part 110: Inductive load switching (IEC 62271-110:2012+Corr.1:2012; EN 62271-110:2012)  
- zamijenjena s: HRN EN IEC 62271-110:2018
- HRN EN 62271-201:2008 en  
Visokonaponska sklopna aparatura – 201. dio: Sklopna aparatura izmjenične struje s izolacionim plaštem za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-201:2006; EN 62271-201:2006)  
High-voltage switchgear and controlgear – Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-201:2006; EN 62271-201:2006)  
- zamijenjena s: HRN EN 62271-201:2014
- HRN EN 62271-202:2008 en  
Visokonaponska sklopna aparatura – 202. dio: Visokonaponske/niskonaponske tvornički dogotovljene transformatorske stanice (IEC 62271-202:2006; EN 62271-202:2007)  
High-voltage switchgear and controlgear – Part 202: High voltage/low voltage prefabricated substation (IEC 62271-202:2006; EN 62271-202:2007)  
- zamijenjena s: HRN EN 62271-202:2014
- HRN EN 62683:2013 en  
Niskonaponska sklopna aparatura – Strukture podataka za elektroničku razmjenu informacija o svojstvima proizvoda (IEC 62683:2013; EN 62683:2013)  
Low-voltage switchgear and controlgear – Product data and properties for information exchange (IEC 62683:2013; EN 62683:2013)  
- zamijenjena s: HRN EN 62683:2016

## HZN/TO E20, Električni kabeli

- HRN HD 516 S2:2001 en  
Upute za uporabu niskonaponskih usklađenih kabela (HD 516 S2:1997)  
Guide to use of low voltage harmonized cables (HD 516 S2:1997)  
- zamijenjena s: HRN EN 50565-1:2014, HRN EN 50565-2:2014
- HRN HD 516 S2:2001/A1:2007 en  
Uputa za uporabu niskonaponskih harmoniziranih kabela (HD 516 S2:1997/A1:2003)  
Guide to use of low voltage harmonized cables (HD 516 S2:1997/A1:2003)  
- zamijenjena s: HRN EN 50565-1:2014, HRN EN 50565-2:2014
- HRN HD 516 S2:2001/A2:2009 en  
Uputa za uporabu niskonaponskih harmoniziranih kabela (HD 516 S2:1997/A2:2008)  
Guide to use of low voltage harmonized cables (HD 516 S2:1997/A2:2008)  
- zamijenjena s: HRN EN 50565-1:2014, HRN EN 50565-2:2014
- HRN HD 586.3 S1:2007 en  
Kabeli s mineralnom izolacijom nazivnog napona koji ne prelazi 750 V – 3. dio: Uputa za upotrebu (HD 586.3 S1:2001)  
Mineral insulated cables with a rated voltage not exceeding 750 V – Part 3: Guide to use (HD 586.3 S1:2001)  
- bez zamjene
- HRN HD 631.1 S2:2008 en  
Električni kabeli – Pribor – Značajke materijala – 1. dio: Identifikacija materijala i tipska ispitivanja za zaljevne smjese (HD 631.1 S2:2007)  
Electric cables – Accessories – Material characterisation – Part 1: Fingerprinting and type tests for resinous compounds (HD 631.1 S2:2007)  
- zamijenjena s: HRN EN 50655-1:2018
- HRN HD 631.2 S1:2008 en  
Električni kabeli – Pribor – Značajke materijala – 2. dio: Identifikacija materijala i tipska ispitivanja toploskupljajućih komponentata za primjenu u niskonaponskim sustavima (HD 631.2 S1:2007)  
Electric cables – Accessories – Material characterisation – Part 2: Fingerprinting and type tests for heat shrinkable components for low voltage applications (HD 631.2 S1:2007)  
- zamijenjena s: HRN EN 50655-2:2018

- HRN HD 631.3 S1:2008 en  
Električni kabeli – Pribor – Značajke materijala – 3. dio: Identifikacija materijala za toplonoskupljajuće komponente za primjenu u srednjonaponskim sustavima od 3,6/6(7,2) kV do 20,8/36(42) kV (HD 631.3 S1:2008)  
Electric cables – Accessories – Material characterisation – Part 3: Fingerprinting for heat shrinkable components for medium voltage applications from 3,6/6 (7,2) kV up to 20,8/36 (42) kV (HD 631.3 S1:2008)  
- zamijenjena s: HRN EN 50655-2:2018
- HRN HD 631.4 S1:2008 en  
Električni kabeli – Pribor – Značajke materijala – 4. dio: Identifikacija materijala za hladnoskupljajuće komponente za primjenu u niskonaponskim i srednjonaponskim sustavima do 20,8/36(42) kV (HD 631.4 S1:2008)  
Electrical cables – Accessories – Material characterisation – Part 4: Fingerprinting for cold shrinkable components for low and medium voltage applications up to 20,8/36 (42) kV (HD 631.4 S1:2008)  
- zamijenjena s: HRN EN 50655-3:2018
- HRN HD 632 S2:2009 en  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 36 kV (Um = 42 kV) do 150 kV (Um = 170 kV) (HD 632 S2:2009)  
Power cables with extruded insulation and their accessories for rated voltages above 36 kV (Um = 42 kV) up to 150 kV (Um = 170 kV) (HD 632 S2:2009)  
- zamijenjena s: HRN HD 632 S3:2016
- HRN EN 50200:2007 en  
Ispitne metode otpornosti na gorenje nezaštićenih kabela malih promjera koji se upotrebljavaju u sigurnosnim strujnim krugovima (EN 50200:2006)  
Methods of test for resistance to fire of unprotected small cables for use in emergency circuits (EN 50200:2006)  
- zamijenjena s: HRN EN 50200:2016
- HRN EN 50267-1:2001 en  
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanja plinova razvijenih pri izgaranju kablenskog materijala – 1. dio: Uredaji (EN 50267-1:1998)  
Common test methods for cables under fire conditions – Tests on gases evolved during combustion of materials from cables – Part 1: Apparatus (EN 50267-1:1998)  
- zamijenjena s: HRN EN 60754-1:2014, HRN EN 60754-2:2014
- HRN EN 50267-2-1:2001 en  
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanja plinova razvijenih pri izgaranju kablenskog materijala – Dio 2-1: Postupci – Određivanje količine plina halogene kiseline (EN 50267-2-1:1998)  
Common test methods for cables under fire conditions – Tests on gases evolved during combustion of materials from cables – Part 2-1: Procedures-Determination of the amount of halogen acid gas (EN 50267-2-1:1998)  
- zamijenjena s: HRN EN 60754-1:2014, HRN EN 60754-2:2014
- HRN EN 50267-2-2:2001 en  
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje plinova razvijenih pri izgaranju kablenskog materijala – Dio 2-2: Postupci – Određivanja stupnja kiselosti plinova iz materijala mjerenjem pH i vodljivosti (EN 50267-2-2:1998)  
Common test methods for cables under fire conditions – Tests on gases evolved during combustion of materials from cables – Part 2-2: Procedures-Determination of degree of acidity of gases for materials by measuring pH and conductivity (EN 50267-2-2:1998)  
- zamijenjena s: HRN EN 60754-1:2014, HRN EN 60754-2:2014
- HRN EN 50267-2-3:2001 en  
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje plinova razvijenih pri izgaranju kablenskog materijala – Dio 2-3: Postupci – Određivanje stupnja kiselosti plinova iz kabela određivanjem srednje vrijednosti pH i vodljivosti (EN 50267-2-3:1998)  
Common test methods for cables under fire conditions – Tests on gases evolved during combustion of materials from cables – Part 2-3: Procedures – Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conductivity (EN 50267-2-3:1998)  
- zamijenjena s: HRN EN 60754-1:2014, HRN EN 60754-2:2014
- HRN EN 50393:2007 en  
Ispitne metode i zahtjevi za pribor za distribucijske kabele nazivnog napona 0,6/1 (1,2) kV (EN 50393:2006)  
Test methods and requirements for accessories for use on distribution cables of rated voltage 0,6/1 (1,2) kV (EN 50393:2006)  
- zamijenjena s: HRN EN 50393:2015
- HRN EN 60230:2007 en  
Ispitivanja udarnim naponom za kabele i kablenski pribor (IEC 60230:1966; EN 60230:2002)  
Impulse test on cables and their accessories (IEC 60230:1966; EN 60230:2002)  
- zamijenjena s: HRN EN IEC 60230:2018
- HRN EN 60885-3:2007 en  
Metode električnih ispitivanja za električne kabele – 3. dio: Metode ispitivanja za mjerenje parcijalnih izbijanja na duljinama energetskih kabela s ekstrudiranom izolacijom (IEC 60885-3:1988; EN 60885-3:2003)  
Electrical test methods for electric cables – Part 3: Test methods for partial discharge measurements on lengths of extruded power cables (IEC 60885-3:1988; EN 60885-3:2003)  
- zamijenjena s: HRN EN 60885-3:2015
- HRI CLC/TR 62125:2008 en  
Izveštaj zaštite okoliša za TO 20 – Električni kabeli (IEC/TR 62125:2007; CLC/TR 62125:2008)  
Environmental statement specific to TC 20 – Electric cables (IEC/TR 62125:2007; CLC/TR 62125:2008)  
- bez zamjene

## HZN/TO E22, Energetska elektronika

- HRN EN 50598-1:2015 en  
Ekološko projektiranje za elektromotorne sustave, motorske pokretače, energetsku elektroniku i opremu koju pogone – 1. dio: Opći zahtjevi za postavljanje norma energetske djelotvornosti za pogonsku opremu pristupajući proširenom proizvodu (EPA) i upotrebljavajući polu-analitički model (SAM) (EN 50598-1:2014)  
Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Part 1: General requirements for setting energy efficiency standards for power driven equipment using the extended product approach (EPA), and semi analytic model (SAM) (EN 50598-1:2014)  
- zamijenjena s: HRN EN 61800-9-1:2017
- HRN EN 50598-2:2015 en  
Ekološko projektiranje za elektromotorne sustave, motorske pokretače, energetsku elektroniku i opremu koju pogone – 2. dio: Pokazatelji energetske djelotvornosti za elektromotorne sustave i motorske pokretače (EN 50598-2:2014)  
Ecodesign for power drive systems, motor starters, power electronics and their driven applications – Part 2: Energy efficiency indicators for power drive systems and motor starters (EN 50598-2:2014)  
- zamijenjena s: HRN EN 61800-9-2:2017
- HRN EN 50598-2:2015/A1:2016 en  
Ekološko projektiranje za elektromotorne sustave, motorske pokretače, energetsku elektroniku i opremu koju pogone – 2. dio: Pokazatelji energetske djelotvornosti za elektromotorne sustave i motorske pokretače (EN 50598-2:2014/A1:2016)  
Ecodesign for power drive systems, motor starters, power electronics & their driven applications – Part 2: Energy efficiency indicators for power drive systems and motor starters (EN 50598-2:2014/A1:2016)  
- zamijenjena s: HRN EN 61800-9-2:2017
- HRN EN 60146-1-3:1999 en  
Poluvodički pretvarači – Opći zahtjevi i mrežom komutirani pretvarači – Dio 1-3: Transformatori i prigušnice (IEC 60146-1-3:1991; EN 60146-1-3:1993)  
Semiconductor convertors – General requirements and line commutated convertors – Part 1-3: Transformers and reactors (IEC 60146-1-3:1991; EN 60146-1-3:1993)  
- bez zamjene
- HRN EN 60700-1:2004 en  
Tiristorski ventili za prijenos energije istosmjernom strujom visokog napona (HVDC) – 1. dio: Električno ispitivanje (IEC 60700-1:1998+am1:2003; EN 60700-1:1998+A1:2003)  
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing (IEC 60700-1:1998+am1:2003; EN 60700-1:1998+A1:2003)  
- zamijenjena s: HRN EN 60700-1:2015

- HRN EN 60700-1:2004/A2:2010 en  
Tiristorski ventili za prijenos energije istosmjernom strujom visokog napona (HVDC) – 1. dio: Električno ispitivanje (IEC 60700-1:1998/am2:2008; EN 60700-1:1998/A2:2008)  
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing (IEC 60700-1:1998/am2:2008; EN 60700-1:1998/A2:2008)  
- zamijenjena s: HRN EN 60700-1:2015
- HRN EN 61204-7:2008 en  
Niskonaponski napajajući s istosmjernim izlazom – 7. dio: Zahtjevi na sigurnost (IEC 61204-7:2006; EN 61204-7:2006)  
Low voltage power supplies, d.c. output – Part 7: Safety requirements (IEC 61204-7:2006; EN 61204-7:2006)  
- zamijenjena s: HRN EN IEC 61204-7:2018
- HRN EN 61204-7:2008/A11:2010 en  
Niskonaponski napajajući s istosmjernim izlazom – 7. dio: Zahtjevi na sigurnost (EN 61204-7:2006/A11:2009)  
Low voltage power supplies, d.c. output – Part 7: Safety requirements (EN 61204-7:2006/A11:2009)  
- zamijenjena s: HRN EN IEC 61204-7:2018
- HRN EN 61800-2:1999 en  
Elektromotorni sustavi prilagodljive brzine – 2. dio: Opći zahtjevi – Specifikacija nazivnih vrijednosti za niskonaponske sustave izmjeničnih elektromotornih pogona s prilagodljivom brzinom (IEC 61800-2:1998; EN 61800-2:1998)  
Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for low voltage adjustable frequency a.c. power drive systems (IEC 61800-2:1998; EN 61800-2:1998)  
- bez zamjene
- HRN EN 61800-5-2:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 5-2: Zahtjevi za sigurnost – Funkcionalni (IEC 61800-5-2:2007; EN 61800-5-2:2007)  
Adjustable speed electrical power drive systems – Part 5-2: Safety requirements – Functional (IEC 61800-5-2:2007; EN 61800-5-2:2007)  
- zamijenjena s: HRN EN 61800-5-2:2017
- HRN EN 61800-7-1:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-1: Generičko sučelje i uporaba profila za elektromotorne sustave – Definicija sučelja (IEC 61800-7-1:2007; EN 61800-7-1:2008)  
Adjustable speed electrical power drive systems – Part 7-1: Generic interface and use of profiles for power drive systems – Interface definition (IEC 61800-7-1:2007; EN 61800-7-1:2008)  
- zamijenjena s: HRN EN 61800-7-1:2016
- HRN EN 61800-7-201:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-201: Generičko sučelje i uporaba profila za elektromotorne sustave – Specifikacija za profil tipa 1 (IEC 61800-7-201:2007; EN 61800-7-201:2008)  
Adjustable speed electrical power drive systems – Part 7-201: Generic interface and use of profiles for power drive systems – Profile type 1 specification (IEC 61800-7-201:2007; EN 61800-7-201:2008)  
- zamijenjena s: HRN EN 61800-7-201:2016
- HRN EN 61800-7-202:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-202: Generičko sučelje i uporaba profila za elektromotorne sustave – Specifikacija za profil tipa 2 (IEC 61800-7-202:2007; EN 61800-7-202:2008)  
Adjustable speed electrical power drive systems – Part 7-202: Generic interface and use of profiles for power drive systems – Profile type 2 specification (IEC 61800-7-202:2007; EN 61800-7-202:2008)  
- zamijenjena s: HRN EN 61800-7-202:2016
- HRN EN 61800-7-203:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-203: Generičko sučelje i uporaba profila za elektromotorne sustave – Specifikacija za profil tipa 3 (IEC 61800-7-203:2007; EN 61800-7-203:2008)  
Adjustable speed electrical power drive systems – Part 7-203: Generic interface and use of profiles for power drive systems – Profile type 3 specification (IEC 61800-7-203:2007; EN 61800-7-203:2008)  
- zamijenjena s: HRN EN 61800-7-203:2016
- HRN EN 61800-7-204:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-204: Generičko sučelje i uporaba profila za elektromotorne sustave – Specifikacija za profil tipa 4 (IEC 61800-7-204:2007; EN 61800-7-204:2008)  
Adjustable speed electrical power drive systems – Part 7-204: Generic interface and use of profiles for power drive systems – Profile type 4 specification (IEC 61800-7-204:2007; EN 61800-7-204:2008)  
- zamijenjena s: HRN EN 61800-7-204:2016
- HRN EN 61800-7-301:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-301: Generičko sučelje i uporaba profila za elektromotorne sustave – Pridruživanje profila tipa 1 u mrežne tehnike (IEC 61800-7-301:2007; EN 61800-7-301:2008)  
Adjustable speed electrical power drive systems – Part 7-301: Generic interface and use of profiles for power drive systems – Mapping of profile type 1 to network technologies (IEC 61800-7-301:2007; EN 61800-7-301:2008)  
- zamijenjena s: HRN EN 61800-7-301:2016
- HRN EN 61800-7-302:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-302: Generičko sučelje i uporaba profila za elektromotorne sustave – Pridruživanje profila tipa 2 u mrežne tehnike (IEC 61800-7-302:2007; EN 61800-7-302:2008)  
Adjustable speed electrical power drive systems – Part 7-302: Generic interface and use of profiles for power drive systems – Mapping of profile type 2 to network technologies (IEC 61800-7-302:2007; EN 61800-7-302:2008)  
- zamijenjena s: HRN EN 61800-7-302:2016
- HRN EN 61800-7-303:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-303: Generičko sučelje i uporaba profila za elektromotorne sustave – Pridruživanje profila tipa 3 u mrežne tehnike (IEC 61800-7-303:2007; EN 61800-7-303:2008)  
Adjustable speed electrical power drive systems – Part 7-303: Generic interface and use of profiles for power drive systems – Mapping of profile type 3 to network technologies (IEC 61800-7-303:2007; EN 61800-7-303:2008)  
- zamijenjena s: HRN EN 61800-7-303:2016
- HRN EN 61800-7-304:2008 en  
Elektromotorni sustavi prilagodljive brzine – Dio 7-304: Generičko sučelje i uporaba profila za elektromotorne sustave – Pridruživanje profila tipa 4 u mrežne tehnike (IEC 61800-7-304:2007; EN 61800-7-304:2008)  
Adjustable speed electrical power drive systems – Part 7-304: Generic interface and use of profiles for power drive systems – Mapping of profile type 4 to network technologies (IEC 61800-7-304:2007; EN 61800-7-304:2008)  
- zamijenjena s: HRN EN 61800-7-304:2016
- HZN/TO E23, Električni instalacijski pribor**
- HRN EN 50557:2012 en  
Zahtjevi za uređaje za automatsko zatvaranje (ARD) za osigurače i strujne zaštitne sklopke sa i bez združene nadstrujne zaštite (RCBO i RCCB) za kućanstvo i slične primjene (EN 50557:2011)  
Requirements for automatic reclosing devices (ARDs) for circuit breakers-RCBOs-RCCBs for household and similar uses (EN 50557:2011)  
- zamijenjena s: HRN EN 63024:2018
- HRN EN 60669-1:2002 en  
Sklopke za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998, preinačena; EN 60669-1:1999)  
Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:1998, modified; EN 60669-1:1999)  
- zamijenjena s: HRN EN 60669-1:2018
- HRN EN 60669-1:2002/A1:2007 en  
Sklopke za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)  
Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)  
- zamijenjena s: HRN EN 60669-1:2018

HRN EN 60669-1:2002/A2:2010 en  
Sklopke za kućanstvo i slične fiksne učvršćene električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)  
Switches for household and similar fixed-electrical installations – Part 1: General requirements (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)  
- zamijenjena s: HRN EN 60669-1:2018

HRN EN 60669-1:2002/IS1:2012 en  
Sklopke za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (EN 60669-1:1999/IS1:2009)  
Switches for household and similar fixed-electrical installations – Part 1: General requirements (EN 60669-1:1999/IS1:2009)  
- zamijenjena s: HRN EN 60669-1:2018

HRN EN 61058-1:2007 en  
Sklopke za aparate – 1. dio: Opći zahtjevi (IEC 61058-1:2000+am1:2001, MOD; EN 61058-1:2002)  
Switches for appliances – Part 1: General requirements (IEC 61058-1:2000+am1:2001, MOD; EN 61058-1:2002)  
- zamijenjena s: HRN EN IEC 61058-1:2018

HRN EN 61058-1:2007/A2:2008 en  
Sklopke za aparate – 1. dio: Opći zahtjevi (IEC 61058-1:2000/am2:2007; EN 61058-1:2002/A2:2008)  
Switches for appliances – Part 1: General requirements (IEC 61058-1:2000/am2:2007; EN 61058-1:2002/A2:2008)  
- zamijenjena s: HRN EN IEC 61058-1:2018

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

HRI CR 1750:2012 en  
Sustavi identifikacijskih kartica – Međusektorske poruke između uređaja i glavnih računala – Poruke primatelja stjecatelju (CR 1750:1999)  
Identification card systems – Inter-sector messages between devices and hosts – Acceptor to acquirer messages (CR 1750:1999)  
- bez zamjene

HRI CR 13643:2012 en  
Strojno čitljive kartice – Primjene u zdravstvu – Logičke strukture i koncepti podataka za različite kartične tehnologije za uporabu od strane pacijenata u zdravstvenim aplikacijama (CR 13643:2000)  
Machine readable cards – Healthcare applications – Logical data structures and concepts for different card technologies for use by patients in health applications (CR 13643:2000)  
- bez zamjene

HRI CR 13644:2012 en  
Strojno čitljive kartice – Primjene u zdravstvu – Logička organizacija podataka na profesionalnim zdravstvenim karticama (CR 13644:2000)  
Machine readable cards – Healthcare applications – Logical organisation of data on healthcare professional cards (CR 13644:2000)  
- bez zamjene

HRI CR 13875:2012 en  
Sustavi identifikacijskih kartica – Međusektorske tanke fleksibilne kartice – Sigurnosne značajke (CR 13875:2000)  
Identification card systems – Intersector thin flexible cards – Security features (CR 13875:2000)  
- bez zamjene

HRI CR 13909:2012 en  
Sustavi identifikacijskih kartica – Međusektorske tanke fleksibilne kartice – Kriteriji za prihvatanje (CR 13909:2000)  
Identification card systems – Intersector thin flexible cards – Acceptance criteria (CR 13909:2000)  
- bez zamjene

HRS ENV 14062-1:2008 en  
Sustavi identifikacijskih kartica – Primjene u kopnenome prijevozu – Elektronička naplata – 1. dio: Fizičke značajke, elektronički signali i protokoli prijenosa (ENV 14062-1:2001)  
Identification card systems – Surface transport applications – Electronic fee collection – Part 1: Physical characteristics, electronic signals and transmission protocols (ENV 14062-1:2001)  
- bez zamjene

HRS ENV 14062-2:2012 en  
Sustavi identifikacijskih kartica – Primjene u kopnenome prijevozu – Elektronička naplata – 2. dio: Zahtjevi poruka (ENV 14062-2:2001)  
Identification card systems – Surface transport applications – Electronic fee collection – Part 2: Message requirements (ENV 14062-2:2001)  
- bez zamjene

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

HRN EN 16582-1:2015 en  
Bazeni u kućanstvu – 1. dio: Opći zahtjevi uključujući sigurnost i metode ispitivanja (EN 16582-1:2015)  
Domestic swimming pools – Part 1: General requirements including safety and test methods (EN 16582-1:2015)  
- zamijenjena s: HRN EN 16582-1:2021

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

HRN EN ISO 276:2010 en  
Veziva za boje i lakove – Laneno stand ulje – Zahtjevi i metode ispitivanja (ISO 276:2002; EN ISO 276:2010)  
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO 276:2002; EN ISO 276:2010)  
- zamijenjena s: HRN EN ISO 276:2021

HRN EN ISO 3219:2002 en  
Plastike – Polimeri / smole u kapljevitom stanju ili kao emulzije ili disperzije – Određivanje viskoznosti primjenom rotacijskog viskozimetra s određenom brzinom smicanja (ISO 3219:1993; EN ISO 3219:1994)  
Plastics – Polymers/resins in the liquid state or as emulsions or dispersions – Determination of viscosity using a rotational viscometer with defined shear rate (ISO 3219:1993; EN ISO 3219:1994)  
- zamijenjena s: HRN EN ISO 3219-2:2021

HRN EN ISO 9038:2013 en  
Određivanje održavanja gorenja kapljevina (ISO 9038:2013; EN ISO 9038:2013)  
Determination of sustained combustibility of liquids (ISO 9038:2013; EN ISO 9038:2013)  
- zamijenjena s: HRN EN ISO 9038:2021

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

HRN EN ISO 13397-4:2004 en  
Parodontne kirete, zubni tragači i ekskavatori – 4. dio: Stomatološki ekskavatori tanjurastog oblika (ISO 13397-4:1997; EN ISO 13397-4:1997)  
Periodontal curettes, dental scalers and excavators – Part 4: Dental excavators – Discoid-type (ISO 13397-4:1997; EN ISO 13397-4:1997)  
- zamijenjena s: HRN EN ISO 23940:2021

## 1.6 Ispravci hrvatskih norma

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

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

- **umjesto**

HRN EN 1759-1:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 1. dio: Čelične prirubnice NPS 1/2 do 24 (**EN 1759-1:2004**)  
Flanges and their joint – Circular flanges for pipes, valves, fittings and accessories, Class designated – Part 1: Steel flanges, NPS 1/2 to 24 (EN 1759-1:2004)

- **treba biti**

HRN EN 1759-1:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 1. dio: Čelične prirubnice NPS 1/2 do 24 (**EN 1759-1:2004**)  
Flanges and their joint – Circular flanges for pipes, valves, fittings and accessories, Class designated – Part 1: Steel flanges, NPS 1/2 to 24 (EN 1759-1:2004)

- **umjesto**

HRN EN 1759-3:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 3. dio: Prirubnice od bakrenih legura (**EN 759-3:2003+AC:2004**)  
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, class designated – Part 3: Copper alloy flanges (EN 1759-3:2003+AC:2004)

- **treba biti**

HRN EN 1759-3:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 3. dio: Prirubnice od bakrenih legura (**EN 1759-3:2003+AC:2004**)  
Flanges and their joints – Circular flanges for pipes, valves, fittings and accessories, class designated – Part 3: Copper alloy flanges (EN 1759-3:2003+AC:2004)

- **umjesto**

HRN EN 1759-4:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 4. dio: Prirubnice od aluminijskih legura (**EN 1759:2003**)  
Flanges and their joint – Circular flanges for pipes, valves, fittings and accessories, class designated – Part 4: Aluminium alloy flanges (EN 1759-4:2003)

- **treba biti**

HRN EN 1759-4:2008

Prirubnice i njihovi spojevi – Kružne prirubnice za cijevi, ventile, spojne dijelove i opremu, označene po razredima – 4. dio: Prirubnice od aluminijskih legura (**EN 1759-4:2003**)  
Flanges and their joint – Circular flanges for pipes, valves, fittings and accessories, class designated – Part 4: Aluminium alloy flanges (EN 1759-4:2003)

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

- **umjesto**

HRN EN 15694:2015

Poljoprivredni i šumarski traktori – Sjedalo za suvozača – Zahtjevi i postupci ispitivanja (**EN 15694:2015+A1:2015**)  
Agricultural and forestry tractors – Passenger seat – Requirements and test procedures (**EN 15694:2015+A1:2015**)

- **treba biti**

HRN EN 15694:2015

Poljoprivredni i šumarski traktori – Sjedalo za suvozača – Zahtjevi i postupci ispitivanja (**EN 15694:2009+A1:2015**)  
Agricultural and forestry tractors – Passenger seat – Requirements and test procedures (**EN 15694:2009+A1:2015**)

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

- **umjesto**

HRN EN ISO 3821:2019

Oprema za plinsko zavarivanje – Gumena crijeva za zavarivanje, rezanje i srodne postupke (ISO 3821:2019; EN ISO 3821:2019)  
Gas welding equipment – Rubber hoses for welding, cutting and allied processes (ISO 3821:2019; EN ISO 3821:2019)

- **treba biti**

HRN EN ISO 3821:2019

Oprema za plinsko zavarivanje – Gumena crijeva za zavarivanje, rezanje i srodne postupke (ISO 3821:2019, **ispravljena verzija 2021-05**; EN ISO 3821:2019)  
Gas welding equipment – Rubber hoses for welding, cutting and allied processes (ISO 3821:2019, **Corrected version 2021-05**; EN ISO 3821:2019)

### TO 121, Anestetička i respiracijska oprema

- **umjesto**

HRN EN ISO 19223:2021

Plućni **ventilatori** i srodna oprema – Terminološki rječnik i semantika (ISO 19223: 2019; EN ISO 19223:2021)  
Lung ventilators and related equipment – Vocabulary and semantics (ISO 19223:2019; EN ISO 19223:2021)

- **treba biti**

HRN EN ISO 19223:2021

Plućni **respiratori** i srodna oprema – Terminološki rječnik i semantika (ISO 19223: 2019; EN ISO 19223:2021)  
Lung ventilators and related equipment – Vocabulary and semantics (ISO 19223:2019; EN ISO 19223:2021)

- **umjesto**

HRN EN 794-3:2010

Plućni **ventilatori** – 3. dio: Posebni zahtjevi za prijenosne ventilatore za hitne slučajeve (EN 794-3:1998+A2:2009)  
Lung ventilators – Part 3: Particular requirements for emergency and transport ventilators (EN 794-3:1998+A2:2009)

- **treba biti**

HRN EN 794-3:2010

Plućni **respiratori** – 3. dio: Posebni zahtjevi za prijenosne respiratore za hitne slučajeve (EN 794-3:1998+A2:2009)  
Lung ventilators – Part 3: Particular requirements for emergency and transport ventilators (EN 794-3:1998+A2:2009)

- **umjesto**

HRN EN ISO 10651-4:2010

Plućni **ventilatori** – 4. dio: Posebni zahtjevi za balone za ručnu ventilaciju pogonjene ljudskom snagom (ISO 10651-4:2002; EN ISO 10651-4:2009)  
Lung ventilators – Part 4: Particular requirements for operator-powered resuscitators (ISO 10651-4:2002; EN ISO 10651-4:2009)

- **treba biti**

HRN EN ISO 10651-4:2010

Plućni **respiratori** – 4. dio: Posebni zahtjevi za balone za ručnu ventilaciju pogonjene ljudskom snagom (ISO 10651-4:2002; EN ISO 10651-4:2009)  
Lung ventilators – Part 4: Particular requirements for operator-powered resuscitators (ISO 10651-4:2002; EN ISO 10651-4:2009)



- **umjesto**

HRN EN ISO 80601-2-72:2015

Medicinska električna oprema – Dio 2-72: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za potporu disanju u kućnoj zdravstvenoj njezi kod pacijenata ovisnih o **ventilatoru** (ISO 80601-2-72:2015; EN ISO 80601-2-72:2015)  
Medical electrical equipment – Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO 80601-2-72:2015; EN ISO 80601-2-72:2015)

- **treba biti**

HRN EN ISO 80601-2-72:2015

Medicinska električna oprema – Dio 2-72: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za potporu disanju u kućnoj zdravstvenoj njezi kod pacijenata ovisnih o **respiratoru** (ISO 80601-2-72:2015; EN ISO 80601-2-72:2015)  
Medical electrical equipment – Part 2-72: Particular requirements for basic safety and essential performance of home healthcare environment ventilators for ventilator-dependent patients (ISO 80601-2-72:2015; EN ISO 80601-2-72:2015)

- **umjesto**

HRN EN ISO 80601-2-12:2020

Medicinska električna oprema – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke **ventilatora** za intenzivnu njegu (ISO 80601-2-12:2020; EN ISO 80601-2-12:2020)  
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators (ISO 80601-2-12:2020; EN ISO 80601-2-12:2020)

- **treba biti**

HRN EN ISO 80601-2-12:2020

Medicinska električna oprema – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke **respiratora** za intenzivnu njegu (ISO 80601-2-12:2020; EN ISO 80601-2-12:2020)  
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators (ISO 80601-2-12:2020; EN ISO 80601-2-12:2020)

## TO T4, Normizacija u telekomunikacijama

- **umjesto**

HRN EN 319 411-1 V1.1.1:2016

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih i sigurnosnih pravila** za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.1.1:2016)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.1.1:2016)

- **treba biti**

HRN EN 319 411-1 V1.1.1:2016

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih pravila i zahtjevi sigurnosti** za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.1.1:2016)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.1.1:2016)

- **umjesto**

HRN EN 319 411-1 V1.2.2:2018

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih i sigurnosnih pravila** za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.2.2:2018)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.2.2:2018)

- **treba biti**

HRN EN 319 411-1 V1.2.2:2018

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih pravila i zahtjevi sigurnosti** za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi (EN 319 411-1 V1.2.2:2018)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements (EN 319 411-1 V1.2.2:2018)

- **umjesto**

HRN EN 319 411-2 V1.1.1:2013

Elektronički potpisi i infrastrukture (ESI) – **Opća pravila i sigurnosni zahtjevi** za vjerodostojne davatelje usluga certificiranja – 2. dio: Zahtjevi za opća pravila za certifikacijska tijela koja izdaju kvalificirane certifikate (EN 319 411-2 V1.1.1:2013)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Policy requirements for certification authorities issuing qualified certificates (EN 319 411-2 V1.1.1:2013)

- **treba biti**

HRN EN 319 411-2 V1.1.1:2013

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih pravila i zahtjevi sigurnosti** za vjerodostojne davatelje usluga certificiranja – 2. dio: Zahtjevi za opća pravila za certifikacijska tijela koja izdaju kvalificirane certifikate (EN 319 411-2 V1.1.1:2013)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Policy requirements for certification authorities issuing qualified certificates (EN 319 411-2 V1.1.1:2013)

- **umjesto**

HRN EN 319 411-3 V1.1.1:2013

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi za opća pravila i sigurnost** za vjerodostojne davatelje usluga koji izdaju certifikate – 3. dio: Opća pravila za certifikacijska tijela koja izdaju certifikate s javnim ključem (EN 319 411-3 V1.1.1:2013)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 3: Policy requirements for Certification Authorities issuing public key certificates (EN 319 411-3 V1.1.1:2013)

- **treba biti**

HRN EN 319 411-3 V1.1.1:2013

Elektronički potpisi i infrastrukture (ESI) – **Zahtjevi općih pravila i zahtjevi sigurnosti** za vjerodostojne davatelje usluga koji izdaju certifikate – 3. dio: Opća pravila za certifikacijska tijela koja izdaju certifikate s javnim ključem (EN 319 411-3 V1.1.1:2013)  
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 3: Policy requirements for Certification Authorities issuing public key certificates (EN 319 411-3 V1.1.1:2013)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

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

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

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

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

HRN EN 55035:2017 hr-en pr-pp  
Elektromagnetska kompatibilnost multimedijских uređaja – Zahtjevi za otpornost (CISPR 35:2016, MOD; EN 55035:2017)  
Electromagnetic compatibility of multimedia equipment – Immunity requirements (CISPR 35:2016, MOD; EN 55035:2017)

HRN EN 55035:2017/A11:2020 hr-en pr-pp  
Elektromagnetska kompatibilnost multimedijских uređaja – Zahtjevi za otpornost (EN 55035:2017/A11:2020)  
Electromagnetic compatibility of multimedia equipment – Immunity requirements (EN 55035:2017/A11:2020)

## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 71-3+A1	Safety of toys – Part 3: Migration of certain elements	97.200.50	2021-04
EN 71-13	Safety of toys – Part 13: Olfactory board games, cosmetic kits and gustative games	97.200.50	2021-04
EN 81-70	Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lift – Part 70: Accessibility to lifts for persons including persons with disability	91.140.90	2021-04
EN 115-2	Safety of escalators and moving walks – Part 2: Rules for the improvement of safety of existing escalators and moving walks	91.140.90	2021-04
EN 303-5	Heating boilers – Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW – Terminology, requirements, testing and marking	91.140.10	2021-04
EN 437	Test gases – Test pressures – Appliance categories	27.060.20; 91.140.40	2021-04
EN 10216-5	Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 5: Stainless steel tubes	23.040.10; 77.140.75	2021-04
EN 10217-7	Welded steel tubes for pressure purposes – Technical delivery conditions – Part 7: Stainless steel tubes	23.040.10; 77.140.75	2021-04
EN 10371	Metallic materials – Small punch test method	77.040.10	2021-04
EN 12543-2	Non-destructive testing – Characteristics of focal spots in industrial X-ray systems for use in non-destructive testing – Part 2: Pinhole camera radiographic method	19.100	2021-04
EN 13141-4	Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 4: Aerodynamic, electrical power and acoustic performance of unidirectional ventilation units	91.140.30	2021-04
EN 13141-7	Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 7: Performance testing of ducted mechanical supply and exhaust ventilation units (including heat recovery)	91.140.30	2021-04
EN 13142	Ventilation for buildings – Components/products for residential ventilation – Required and optional performance characteristics	91.140.30	2021-04
EN 13411-9	Terminations for steel wire ropes – Safety – Part 9: Solid thimbles	21.060.70; 53.020.30	2021-04
EN 13600	Copper and copper alloys – Seamless copper tubes for electrical purposes	77.150.30	2021-04
EN 13647	Wood flooring and wood panelling and cladding – Determination of geometrical characteristics	79.080	2021-04
CEN/TR 14067-7	Railway applications – Aerodynamics – Part 7: Fundamentals for test procedures for train-induced ballast projection	45.060.01	2021-04
EN 14730-2	Railway applications – Track – Aluminothermic welding of rails – Part 2: Qualification of aluminothermic welders, approval of contractors and acceptance of welds	25.160.01; 25.160.10; 93.100	2021-04
CEN/TR 15371-1	Safety of toys – Interpretations – Part 1: Replies to requests for interpretation of EN 71-1, EN 71-2, EN 71-8 and EN 71-14	97.200.50	2021-04
EN 17233	Water quality – Guidance for assessing the efficiency and related metrics of fish passage solutions using telemetry	13.060.99	2021-04
EN 17425	Foodstuffs – Determination of ergot alkaloids in cereals and cereal products by dSPE clean-up and HPLC-MS/MS	67.050; 67.060	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN 17456	Wood flooring and parquet – Determination of top layer delamination of multilayer elements – Test method	79.080	2021-04
EN 17462	Animal feeding stuffs: Methods of sampling and analysis – Determination of the radionuclides Iodine-131, Caesium-134 and Caesium-137 in feed	65.120	2021-04
CEN/TR 17620	Guidelines for selection, use, care and maintenance of smart garments protecting against heat and flame	13.340.10; 59.080.80	2021-04
CWA 17664	Lower-limb wearable devices – Performance test method for walking on uneven terrain	11.180.10; 25.040.30	2021-04
EN ISO 844	Rigid cellular plastics – Determination of compression properties (ISO 844:2021)	83.100	2021-04
EN ISO 3262-19	Extenders – Specifications and methods of test – Part 19: Precipitated silica (ISO 3262-19:2021)	87.060.10	2021-04
EN ISO 3262-20	Extenders – Specifications and methods of test – Part 20: Fumed silica (ISO 3262-20:2021)	87.060.10	2021-04
EN ISO 3834-2	Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirements (ISO 3834-2:2021)	25.160.01	2021-04
EN ISO 3834-3	Quality requirements for fusion welding of metallic materials – Part 3: Standard quality requirements (ISO 3834-3:2021)	25.160.01	2021-04
EN ISO 3834-4	Quality requirements for fusion welding of metallic materials – Part 4: Elementary quality requirements (ISO 3834-4:2021)	25.160.01	2021-04
EN ISO 4518	Metallic coatings – Measurement of coating thickness – Profilometric method (ISO 4518:2021)	25.220.40	2021-04
EN ISO 6410-3	Technical drawings – Screw threads and threaded parts – Part 3: Simplified representation (ISO 6410-3:2021)	01.100.20; 21.040.01	2021-04
EN ISO 6927	Buildings and civil engineering sealants – Vocabulary (ISO 6927:2021)	01.040.91; 91.100.50	2021-04
EN ISO 8099-2	Small craft – Waste systems – Part 2: Sewage treatment systems (ISO 8099-2:2020)	47.080	2021-04
EN ISO 8205	Resistance welding equipment – Water-cooled secondary connection cables (ISO 8205:2021)	25.160.30	2021-04
EN ISO 8437-1	Snow throwers – Safety requirements and test procedures – Part 1: Terminology and common tests (ISO 8437-1:2019)	43.160	2021-04
EN ISO 8437-2	Snow throwers – Safety requirements and test procedures – Part 2: Pedestrian-controlled snow throwers (ISO 8437-2:2019)	43.160	2021-04
EN ISO 8437-3	Snow throwers – Safety requirements and test procedures – Part 3: Ride-on snow throwers (ISO 8437-3:2019)	43.160	2021-04
EN ISO 8437-4	Snow throwers – Safety requirements and test procedures – Part 4: Additional national and regional requirements (ISO 8437-4:2019)	43.160	2021-04
EN ISO 8848	Small craft – Remote mechanical steering systems (ISO 8848:2020)	47.080	2021-04
EN ISO 9046	Building and civil engineering sealants – Determination of adhesion/cohesion properties at constant temperature (ISO 9046:2021)	91.100.50	2021-04
EN ISO 11124-5	Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 5: Cut steel wire (ISO 11124-5:2019)	25.220.10	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 11298-4	Plastics piping systems for renovation of underground water supply networks – Part 4: Lining with cured-in-place pipes (ISO 11298-4:2021)	23.040.20; 23.040.45; 93.025	2021-04
CEN ISO/TS 11665-12	Measurement of radioactivity in the environment – Air: radon-222 – Part 12: Determination of the diffusion coefficient in waterproof materials: membrane one-side activity concentration measurement method (ISO/TS 11665-12:2018)	13.040.01; 17.240	2021-04
EN ISO 11960	Petroleum and natural gas industries – Steel pipes for use as casing or tubing for wells (ISO 11960:2020)	75.180.10; 77.140.75	2021-04
EN ISO 12671	Thermal spraying – Thermally sprayed coatings – Symbolic representation on drawings (ISO 12671:2021)	01.080.30; 25.220.20	2021-04
EN ISO 13297	Small craft – Electrical systems – Alternating and direct current installations (ISO 13297:2020)	47.080	2021-04
EN ISO 13736	Determination of flash point – Abel closed-cup method (ISO 13736:2021)	75.080	2021-04
EN ISO 14031	Environmental management – Environmental performance evaluation – Guidelines (ISO 14031:2021)	13.020.10	2021-04
EN ISO 14907-2	Electronic fee collection – Test procedures for user and fixed equipment – Part 2: Conformance test for the on-board unit application interface (ISO 14907-2:2021)	35.240.60; 43.040.15	2021-04
EN ISO 15216-1/A1	Microbiology of the food chain – Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR – Part 1: Method for quantification – Amendment 1 (ISO 15216-1:2017/Amd 1:2021)	07.100.30	2021-04
EN ISO 16181-1	Footwear – Critical substances potentially present in footwear and footwear components – Part 1: Determination of phthalate with solvent extraction (ISO 16181-1:2021)	61.060	2021-04
EN ISO 17254/A1	Dentistry – Coiled springs for use in orthodontics – Amendment 1 (ISO 17254:2016/Amd 1:2020)	11.060.10	2021-04
EN ISO 19085-1	Woodworking machines – Safety – Part 1: Common requirements (ISO 19085-1:2021)	13.110	2021-04
EN ISO 19085-12	Woodworking machines – Safety – Part 12: Tenoning/profiling machines (ISO 19085-12:2021)	13.110; 79.120.10	2021-04
EN ISO 19148	Geographic information – Linear referencing (ISO 19148:2021)	35.240.70	2021-04
EN ISO 19223	Lung ventilators and related equipment – Vocabulary and semantics (ISO 19223:2019)	01.040.11; 11.040.10	2021-04
CEN ISO/TS 21362	Nanotechnologies – Analysis of nano-objects using asymmetrical-flow and centrifugal field-flow fractionation (ISO/TS 21362:2018)	07.120	2021-04
EN ISO 21645	Solid recovered fuels – Methods for sampling (ISO 21645:2021)	75.160.10	2021-04
EN ISO 21801-1	Cognitive accessibility – Part 1: General guidelines (ISO 21801-1:2020)	11.180.01	2021-04
EN ISO 22153	Electric actuators for industrial valves – General requirements (ISO 22153:2020)	23.060.01	2021-04
EN ISO 22282-4	Geotechnical investigation and testing – Geohydraulic testing – Part 4: Pumping tests (ISO 22282-4:2021)	93.020	2021-04
EN ISO 23266	Soil quality – Test for measuring the inhibition of reproduction in oribatid mites ( <i>Oppia nitens</i> ) exposed to contaminants in soil (ISO 23266:2020)	13.080.30	2021-04
EN ISO 23450	Dentistry – Intraoral camera (ISO 23450:2021)	11.060.20	2021-04
EN ISO 23903	Health Informatics – Interoperability and integration reference architecture – Model and framework (ISO 23903:2021)	35.240.80	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 28199-1	Paints and varnishes – Evaluation of properties of coating systems related to the spray application process – Part 1: Vocabulary and preparation of test panels (ISO 28199-1:2021)	87.040	2021-04
EN ISO 28399	Dentistry – External tooth bleaching products (ISO 28399:2021)	97.170	2021-04
CEN ISO/TS 80004-6	Nanotechnologies – Vocabulary – Part 6: Nano-object characterization (ISO/TS 80004-6:2021)	01.040.07; 07.120	2021-04
EN ISO 80601-2-85	Medical electrical equipment – Part 2-85: Particular requirements for the basic safety and essential performance of cerebral tissue oximeter equipment (ISO 80601-2-85:2021)	11.040.10	2021-04
EN ISO 80601-2-87	Medical electrical equipment – Part 2-87: Particular requirements for basic safety and essential performance of high-frequency ventilators (ISO 80601-2-87:2021)	11.040.10	2021-04

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 50131-13/AC	Alarm systems – Intrusion and hold-up systems – Part 13: Pyrotechnic Obscuration Security Devices	13.320	2021-04
EN 50290-2-24	Communication cables – Part 2-24: Common design rules and construction – Polyethylene sheathing compounds	29.035.20; 33.120.10	2021-04
EN 50290-2-27	Communication cables – Part 2-27: Common design rules and construction – Halogen free polyolefin based sheathing compounds for cables having improved flame and fire properties (HFFR)	29.035.20; 33.120.10	2021-04
EN 50336	Bushings for transformers and reactor cable boxes not exceeding 36 kV	29.080.20; 29.180	2021-04
EN 50600-2-1	Information technology – Data centre facilities and infrastructures – Part 2-1: Building construction	35.020; 35.110; 35.160; 91.140.50	2021-04
EN 50600-2-5	Information technology – Data centre facilities and infrastructures – Part 2-5: Security systems	35.020; 35.110; 35.160	2021-04
EN 50636-2-107/A3	Safety of household and similar appliances – Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers	65.060.70	2021-04
EN 50678/AC	General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair	29.020	2021-04
CLC/TR 50718	Guidelines for the use of EN 45545-2 for Ni-Cd batteries on board rolling stock	13.220.20; 45.060.01	2021-04
EN 55011/A2	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (CISPR 11:2015/A2:2019)	33.100.10	2021-04
EN IEC 60051-2	Direct acting indicating analogue electrical measuring instruments and their accessories – Part 2: Special requirements for ammeters and voltmeters (IEC 60051-2:2018)	17.220.20	2021-04
EN IEC 60051-3	Direct acting indicating analogue electrical measuring instruments and their accessories – Part 3: Special requirements for wattmeters and varmeters (IEC 60051-3:2018)	17.220.20	2021-04
EN IEC 60051-4	Direct acting indicating analogue electrical measuring instruments and their accessories title – Part 4: Special requirements for frequency meters (IEC 60051-4:2018)	17.220.20	2021-04
EN IEC 60051-9	Direct acting indicating analogue electrical measuring instruments and their accessories – Part 9: Recommended test methods (IEC 60051-9:2019)	17.220.20	2021-04
EN IEC 60068-2-11	Environmental testing – Part 2-11: Tests – Test Ka: Salt mist (IEC 60068-2-11:2021)	19.040	2021-04
EN IEC 60068-2-13	Environmental testing – Part 2-13: Tests – Test M: Low air pressure (IEC 60068-2-13:2021)	19.040	2021-04
EN IEC 60068-2-38	Environmental testing – Part 2-38: Tests – Test Z/AD: Composite temperature/humidity cyclic test (IEC 60068-2-38:2021)	19.040	2021-04
CLC IEC/TS 60079-43	Explosive atmospheres – Part 43: Equipment in adverse service conditions (IEC/TS 60079-43:2017)	29.260.20	2021-04
EN IEC 60216-3	Electrical insulating materials – Thermal endurance properties – Part 3: Instructions for calculating thermal endurance characteristics (IEC 60216-3:2021)	17.220.99; 19.020; 29.035.01	2021-04
EN IEC 60601-2-83/A11	Medical electrical equipment – Part 2-83: Particular requirements for the basic safety and essential performance of home light therapy equipment	11.040.60	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 60670-1	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2015)	29.120.10	2021-04
EN IEC 60670-1/A11	Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements	29.120.10	2021-04
EN IEC 60793-2-40	Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres (IEC 60793-2-40:2021)	33.180.10	2021-04
EN 60838-1/A2	Miscellaneous lampholders – Part 1: General requirements and tests (IEC 60838-1:2016/A2:2020)	29.140.10	2021-04
EN IEC 60947-4-1/AC	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters (IEC 60947-4-1:2018/COR2:2021)	29.120.99; 29.130.20	2021-04
EN IEC 60947-5-8	Low-voltage switchgear and controlgear – Part 5-8: Control circuit devices and switching elements – Three-position enabling switches (IEC 60947-5-8:2020)	29.130.20	2021-04
EN IEC/IEEE 60980-344	Nuclear facilities – Equipment important to safety – Seismic qualification (IEC/IEEE 60980-344:2020)	27.120.10; 27.120.20	2021-04
EN IEC 61000-3-2/A1	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current 16 A per phase) (IEC 61000-3-2:2018/A1:2020)	33.100.10	2021-04
EN 61000-4-30/A1	Electromagnetic compatibility (EMC) – Part 4-30: Testing and measurement techniques – Power quality measurement methods (IEC 61000-4-30:2015/A1:2021)	33.100.01; 33.100.99	2021-04
EN IEC 61010-2-030	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits (IEC 61010-2-030:2017)	17.220.20	2021-04
EN IEC 61010-2-030/A11	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for equipment having testing or measuring circuits	17.220.20	2021-04
EN IEC 61010-2-034	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength (IEC 61010-2-034:2017)	17.220.20; 19.080; 71.040.10	2021-04
EN IEC 61010-2-034/A11	Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-034: Particular requirements for measurement equipment for insulation resistance and test equipment for electric strength	17.220.20; 19.080; 71.040.10	2021-04
EN IEC 61010-2-091	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-091: Particular requirements for cabinet X-ray systems (IEC 61010-2-091:2019)	19.080; 71.040.10; 71.040.50	2021-04
EN IEC 61010-2-091/A11	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-091: Particular requirements for cabinet X-ray systems	19.080; 71.040.10; 71.040.50	2021-04
EN IEC 61169-60	Radio-frequency connectors – Part 60: Sectional specification for RF coaxial connectors with push on mating – Characteristic impedance 50 Ohm (type SMPM) (IEC 61169-60:2021)	33.120.30	2021-04



Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61169-66	Radio-frequency connectors – Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 $\Omega$ (series 2,2-5) (IEC 61169-66:2021)	33.120.30	2021-04
EN IEC 61188-6-1	Circuit boards and circuit board assemblies – Design and use – Part 6-1: Land pattern design – Generic requirements for land pattern on circuit boards (IEC 61188-6-1:2021)	31.180; 31.190	2021-04
EN IEC 61189-5-301	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-301: General test methods for materials and assemblies – Soldering paste using fine solder particles (IEC 61189-5-301:2021)	31.180	2021-04
EN IEC 61215-1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements (IEC 61215-1:2021)	27.160	2021-04
EN IEC 61215-1-1	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) modules (IEC 61215-1-1:2021)	27.160	2021-04
EN IEC 61215-1-3	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin- film amorphous silicon based photovoltaic (PV) modules (IEC 61215-1-3:2021)	27.160	2021-04
EN IEC 61215-1-4	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin- film Cu(In,Ga)(S,Se) <sub>2</sub> based photovoltaic (PV) modules (IEC 61215-1-4:2021)	27.160	2021-04
EN IEC 61215-2	Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2021)	27.160	2021-04
EN IEC 61280-2-8	Fibre optic communication subsystem test procedures – Part 2-8: Digital systems – Determination of low BER using Q-factor measurements (IEC 61280-2-8:2021)	33.180.01; 33.180.10	2021-04
EN IEC 61290-1-3	Optical amplifiers – Test methods – Part 1-3: Power and gain parameters – Optical power meter method (IEC 61290-1-3:2021)	33.180.30	2021-04
EN IEC 61300-2-10	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-10: Tests – Crush and load resistance (IEC 61300-2-10:2021)	33.180.20	2021-04
EN IEC 61472-2	Live working – Minimum approach distances – Part 2: Method of determination of the electrical component distance for AC systems from 1,0 kV to 72,5 kV (IEC 61472-2:2021)	13.260; 29.240.99; 29.260.99	2021-04
EN IEC 61800-2	Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for adjustable speed AC power drive systems (IEC 61800-2:2021)	29.160.30; 29.200	2021-04
EN IEC 61851-21-2	Electric vehicle conductive charging system – Part 21-2: Electric vehicle requirements for conductive connection to an AC/DC supply – EMC requirements for off board electric vehicle charging systems (IEC 61851-21-2:2018)	33.100.10; 43.120	2021-04
EN IEC 61967-4	Integrated circuits – Measurement of electromagnetic emissions – Part 4: Measurement of conducted emissions – 1/150 direct coupling method (IEC 61967-4:2021)	31.200	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61968-13	Application integration at electric utilities – System interfaces for distribution management – Part 13: Common distribution power system model profiles (IEC 61968-13:2021)	33.200; 35.240.99	2021-04
EN IEC 61970-457	Energy Management system application program interface (EMS-API) – Part 457: Dynamics profile (IEC 61970-457:2021)	33.200; 35.240.50	2021-04
EN IEC 62020-1	Electrical accessories – Residual current monitors (RCMs) – Part 1: RCMs for household and similar uses (IEC 62020-1:2020 + COR1:2020)	29.120.50	2021-04
EN IEC 62052-11	Electricity metering equipment – General requirements, tests and test conditions – Part 11: Metering equipment (IEC 62052-11:2020)	17.220.20; 91.140.50	2021-04
EN IEC 62053-21	Electricity metering equipment – Particular requirements – Part 21: Static meters for AC active energy (classes 0,5, 1 and 2) (IEC 62053-21:2020)	17.220.20; 91.140.50	2021-04
EN IEC 62053-22	Electricity metering equipment – Particular requirements – Part 22: Static meters for AC active energy (classes 0,1S, 0,2S and 0,5S) (IEC 62053-22:2020)	17.220.20; 91.140.50	2021-04
EN IEC 62053-23	Electricity metering equipment – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2020)	17.220.20; 91.140.50	2021-04
EN IEC 62053-24	Electricity metering equipment – Particular requirements – Part 24: Static meters for fundamental component reactive energy (classes 0,5S, 1S, 1, 2 and 3) (IEC 62053-24:2020)	17.220.20; 91.140.50	2021-04
EN IEC 62325-451-7	Framework for energy market communications – Part 451-7: Balancing processes, contextual and assembly models for European style market (IEC 62325-451-7:2021)	27.010; 33.200; 35.240.50	2021-04
EN 62423/A11	Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses	29.120.50	2021-04
EN IEC 62680-1-2	Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2021)	29.220.01; 33.120.01; 35.200	2021-04
EN IEC 63136/AC	Electric dishwashers for commercial use – Test methods for measuring the performance (IEC 63136:2019/COR1:2021)	97.040.40	2021-04
EN IEC 63154	Maritime navigation and radiocommunication equipment and systems – Cybersecurity – General requirements, methods of testing and required test results (IEC 63154:2021)	33.060.01; 35.030; 47.020.70	2021-04
EN IEC 63171	Connectors for electrical and electronic equipment – Shielded or unshielded free and fixed connectors for balanced single-pair data transmission with current-carrying capacity – General requirements and tests (IEC 63171:2021)	31.220.10	2021-04
EN IEC 63210	Shunt power capacitors of the self-healing type for AC systems having a rated voltage above 1000 V (IEC 63210:2021)	29.120.99; 31.060.70	2021-04
EN IEC 63245-1	Spatial wireless power transfer based on multiple magnetic resonances – Part 1: Requirements (IEC 63245-1:2021)	29.240.99; 33.160.01; 35.200	2021-04
EN ISO/IEC 27701	Security techniques – Extension to ISO/IEC 27001 and ISO/IEC 27002 for privacy information management – Requirements and guidelines (ISO/IEC 27701:2019)	35.030	2021-04

## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 101220 V 16.0.0	Smart Cards – ETSI numbering system for telecommunication application providers (Release 16)	35.240.15	2021-04
ETSI TS 102221 V 16.4.0	Smart Cards – UICC-Terminal interface – Physical and logical characteristics (Release 16)	35.240.15	2021-04
ETSI TS 102230-2 V 13.1.0	Smart Cards – UICC-Terminal interface – Physical, electrical and logical test specification – Part 2: UICC features (Release 13)	35.240.15	2021-04
ETSI TS 102232-5 V 3.14.1	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	2021-04
ETSI TS 102267 V 16.0.0	Smart Cards – Connection Oriented Service API for the Java Card(TM) platform (Release 16)	35.240.15	2021-04
ETSI TS 102267 V 17.0.0	Smart Cards – Connection Oriented Service API for the Java Card(TM) platform (Release 17)	35.240.15	2021-04
ETSI TS 102657 V 1.27.1	Lawful Interception (LI) – Retained data handling – Handover interface for the request and delivery of retained data	33.040.35	2021-04
ETSI TS 102796 V 1.6.1	Hybrid Broadcast Broadband TV	33.170	2021-04
ETSI TS 103221-1 V 1.8.1	Lawful Interception (LI) – Internal Network Interfaces – Part 1: X1	33.040.35	2021-04
ETSI TS 103221-2 V 1.4.1	Lawful Interception (LI) – Internal Network Interfaces – Part 2: X2/X3	33.040.35	2021-04
ETSI TR 103300-1 V 2.2.1	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 1: Use Cases definition – Release 2	35.240.60	2021-04
ETSI TS 103300-2 V 2.2.1	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 2: Functional Architecture and Requirements definition – Release 2	35.240.60	2021-04
ETSI TS 103300-3 V 2.1.2	Intelligent Transport Systems (ITS) – Vulnerable Road Users (VRU) awareness – Part 3: Specification of VRU awareness basic service – Release 2	35.240.60	2021-04
ETSI TS 103428 V 1.2.2	Mobile Standards Group (MSG) – eCall H LAP Interoperability Testing	33.070.01	2021-04
ETSI TS 103597-2 V 1.1.1	Methods for Testing and Specification (MTS) – Test Specification for MQTT – Part 2: Security Tests	35.080; 35.100.20	2021-04
ETSI TS 103636-1 V 1.2.1	DECT-2020 New Radio (NR) – Part 1: Overview – Release 1	33.070.30	2021-04
ETSI TS 103636-2 V 1.2.1	DECT-2020 New Radio (NR) – Part 2: Radio reception and transmission requirements – Release 1	33.070.30	2021-04
ETSI TS 103636-3 V 1.2.1	DECT-2020 New Radio (NR) – Part 3: Physical layer – Release 1	33.070.30	2021-04
ETSI TS 103636-4 V 1.2.1	DECT-2020 New Radio (NR) – Part 4: MAC layer – Release 1	33.070.30	2021-04
ETSI TS 103666-1 V 15.6.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2021-04
ETSI TS 103666-1 V 16.2.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 16)	35.240.15	2021-04
ETSI TR 103716 V 1.1.1	SmartM2M – oneM2M Discovery and Query solution(s) simulation and performance evaluation	33.200	2021-04
ETSI TR 103751 V 1.1.1	Smart Body Area Networks (SmartBAN) – Implant communications	33.040.40; 35.110	2021-04
ETSI TS 103794 V 1.1.1	Intelligent Transport Systems (ITS) – LTE-V2X Access layer for Intelligent Transport Systems operating in the 5 GHz frequency band – Test specification	35.240.60	2021-04
ETSI TS 103799 V 1.1.1	Publicly Available Specification (PAS) – DASH-IF Content Protection Information Exchange Format	33.170	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 119495 V 1.5.1	Electronic Signatures and Infrastructures (ESI) – Sector Specific Requirements – Certificate Profiles and TSP Policy Requirements for Open Banking	33.040.01	2021-04
ETSI TR 121900 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical Specification Group working methods (3GPP TR 21.900 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 122125 V 16.4.0	5G – Unmanned Aerial System (UAS) support in 3GPP (3GPP TS 22.125 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 122261 V 16.14.0	5G – Service requirements for the 5G system (3GPP TS 22.261 version 16.14.0 Release 16)	33.070.50	2021-04
ETSI TS 122278 V 13.6.0	LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 13.6.0 Release 13)	33.070.50	2021-04
ETSI TS 122278 V 14.6.0	LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 14.6.0 Release 14)	33.070.50	2021-04
ETSI TS 122278 V 15.5.0	LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 15.5.0 Release 15)	33.070.50	2021-04
ETSI TS 122278 V 16.3.0	LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TR 122977 V 15.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Feasibility study for speech-enabled services (3GPP TR 22.977 version 15.0.0 Release 15)	33.070.50	2021-04
ETSI TS 123003 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 123015 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 123122 V 16.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 123273 V 16.6.0	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 123288 V 16.7.0	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 123333 V 12.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 12.12.0 Release 12)	33.070.50	2021-04
ETSI TS 123333 V 13.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 13.8.0 Release 13)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123333 V 14.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 14.5.0 Release 14)	33.070.50	2021-04
ETSI TS 123333 V 15.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 15.2.0 Release 15)	33.070.50	2021-04
ETSI TS 123333 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 123334 V 13.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 13.12.0 Release 13)	33.070.50	2021-04
ETSI TS 123334 V 14.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 14.8.0 Release 14)	33.070.50	2021-04
ETSI TS 123334 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 15.3.0 Release 15)	33.070.50	2021-04
ETSI TS 123334 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) interface: Procedures descriptions (3GPP TS 23.334 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 123380 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IMS Restoration Procedures (3GPP TS 23.380 version 15.3.0 Release 15)	33.070.50	2021-04
ETSI TS 123380 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IMS Restoration Procedures (3GPP TS 23.380 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 123401 V 16.10.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.10.0 Release 16)	33.070.50	2021-04
ETSI TS 123501 V 16.8.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 123502 V 15.13.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.13.0 Release 15)	33.070.50	2021-04
ETSI TS 123502 V 16.8.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.8.0 Release 16)	33.070.50	2021-04

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ETSI TS 123503 V 15.9.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 15.9.0 Release 15)	33.070.50	2021-04
ETSI TS 123503 V 16.8.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 123632 V 16.5.0	LTE – 5G – User data interworking, coexistence and migration – Stage 2 (3GPP TS 23.632 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 123682 V 16.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 124008 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface Layer 3 specification – Core network protocols – Stage 3 (3GPP TS 24.008 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 124103 V 12.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 12.6.0 Release 12)	33.070.99	2021-04
ETSI TS 124103 V 13.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 13.3.0 Release 13)	33.070.99	2021-04
ETSI TS 124103 V 14.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 14.3.0 Release 14)	33.070.99	2021-04
ETSI TS 124103 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 15.1.0 Release 15)	33.070.99	2021-04
ETSI TS 124103 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia (IM) Core Network (CN) Subsystem (IMS) – Stage 3 (3GPP TS 24.103 version 16.1.0 Release 16)	33.070.99	2021-04
ETSI TS 124174 V 16.2.0	5G – Universal Mobile Telecommunications System (UMTS) – LTE – Support of multi-device and multi-identity in the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 24.174 version 16.2.0 Release 16)	33.070.50; 33.070.99	2021-04
ETSI TS 124193 V 16.3.1	5G – 5G System – Access Traffic Steering, Switching and Splitting (ATSSS) – Stage 3 (3GPP TS 24.193 version 16.3.1 Release 16)	33.070.99	2021-04
ETSI TS 124229 V 12.25.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 12.25.0 Release 12)	33.070.50	2021-04
ETSI TS 124229 V 13.20.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 13.20.0 Release 13)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124229 V 14.16.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 14.16.0 Release 14)	33.070.50	2021-04
ETSI TS 124229 V 15.13.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.13.0 Release 15)	33.070.50	2021-04
ETSI TS 124229 V 16.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 124301 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 124368 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access Stratum (NAS) configuration Management Object (MO) (3GPP TS 24.368 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 124371 V 12.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 12.12.0 Release 12)	33.070.99	2021-04
ETSI TS 124371 V 13.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 13.13.0 Release 13)	33.070.99	2021-04
ETSI TS 124371 V 14.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 14.10.0 Release 14)	33.070.99	2021-04
ETSI TS 124371 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 15.4.0 Release 15)	33.070.99	2021-04
ETSI TS 124371 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 16.2.0 Release 16)	33.070.99	2021-04
ETSI TS 124379 V 13.17.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 13.17.0 Release 13)	33.070.99	2021-04
ETSI TS 124379 V 14.13.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 14.13.0 Release 14)	33.070.99	2021-04
ETSI TS 124379 V 15.10.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 15.10.0 Release 15)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124379 V 16.8.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 16.8.0 Release 16)	33.070.99	2021-04
ETSI TS 124486 V 16.3.0	LTE – 5G – Vehicle-to-Everything (V2X) Application Enabler (VAE) layer – Protocol aspects – Stage 3 (3GPP TS 24.486 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 124501 V 16.8.0	5G – Non-Access-Stratum (NAS) protocol for 5G System (5GS) – Stage 3 (3GPP TS 24.501 version 16.8.0 Release 16)	33.070.99	2021-04
ETSI TS 124502 V 16.7.0	5G – Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 124526 V 16.7.0	5G – User Equipment (UE) policies for 5G System (5GS) – Stage 3 (3GPP TS 24.526 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 124545 V 16.4.0	5G – Location Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.545 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 124548 V 16.3.0	5G – Network Resource Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.548 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 124587 V 16.4.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 124588 V 16.4.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – User Equipment (UE) policies – Stage 3 (3GPP TS 24.588 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 125401 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – UTRAN overall description (3GPP TS 25.401 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TS 125433 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – UTRAN Iub interface Node B Application Part (NBAP) signalling (3GPP TS 25.433 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TS 126093 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mandatory speech codec speech processing functions Adaptive Multi-Rate (AMR) speech codec – Source controlled rate operation (3GPP TS 26.093 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 126115 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Echo control for speech and multimedia services (3GPP TS 26.115 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TR 126905 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile stereoscopic 3D video (3GPP TR 26.905 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TR 126906 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evaluation of High Efficiency Video Coding (HEVC) for 3GPP services (3GPP TR 26.906 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TR 126907 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – HTML5 for a new presentation layer in 3GPP services (3GPP TR 26.907 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TR 126909 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Study on improved streaming Quality of Experience (QoE) reporting in 3GPP services and networks (3GPP TR 26.909 version 16.0.0 Release 16)	33.070.50	2021-04
ETSI TS 127007 V 16.8.0	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 16.8.0 Release 16)	33.070.50	2021-04



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ETSI TS 128310 V 16.4.0	5G – LTE – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 128531 V 16.9.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 128533 V 15.5.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 15.5.0 Release 15)	33.070.50	2021-04
ETSI TS 128533 V 16.7.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 128535 V 16.3.0	5G – LTE – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 128536 V 16.3.0	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 128541 V 15.8.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 15.8.0 Release 15)	33.070.50	2021-04
ETSI TS 128541 V 16.8.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 128554 V 16.8.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 128623 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 128656 V 16.0.0	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 16.0.0 Release 16)	33.070.50	2021-04
ETSI TS 129002 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129122 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 129122 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.9.0 Release 16)	33.070.99	2021-04
ETSI TS 129165 V 12.22.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 12.22.0 Release 12)	33.070.50	2021-04
ETSI TS 129165 V 13.16.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 13.16.0 Release 13)	33.070.50	2021-04
ETSI TS 129165 V 14.15.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 14.15.0 Release 14)	33.070.50	2021-04

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ETSI TS 129165 V 15.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 15.12.0 Release 15)	33.070.50	2021-04
ETSI TS 129165 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Inter-IMS Network to Network Interface (NNI) (3GPP TS 29.165 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 129171 V 15.5.1	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC) – SLs interface (3GPP TS 29.171 version 15.5.1 Release 15)	33.070.50	2021-04
ETSI TS 129171 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC) – SLs interface (3GPP TS 29.171 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129222 V 16.6.0	5G – LTE – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129230 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 129244 V 16.7.0	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129272 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 129274 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunnelling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 129281 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – General Packet Radio System (GPRS) Tunnelling Protocol User Plane (GTPv1-U) (3GPP TS 29.281 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129303 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Domain Name System Procedures – Stage 3 (3GPP TS 29.303 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 129329 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Sh interface based on the Diameter protocol – Protocol details (3GPP TS 29.329 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129333 V 12.10.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 12.10.0 Release 12)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129333 V 13.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 13.6.0 Release 13)	33.070.50	2021-04
ETSI TS 129333 V 14.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 14.3.0 Release 14)	33.070.50	2021-04
ETSI TS 129333 V 15.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 15.2.0 Release 15)	33.070.50	2021-04
ETSI TS 129333 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129334 V 13.10.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 13.10.0 Release 13)	33.070.50	2021-04
ETSI TS 129334 V 14.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 14.6.0 Release 14)	33.070.50	2021-04
ETSI TS 129334 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 15.3.0 Release 15)	33.070.50	2021-04
ETSI TS 129334 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 129337 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Diameter-based T4 Interface for communications with packet data networks and applications (3GPP TS 29.337 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 129338 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter based protocols to support Short Message Service (SMS) capable Mobile Management Entities (MMEs) (3GPP TS 29.338 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 129486 V 16.3.0	LTE – 5G – V2X Application Enabler (VAE) Services – Stage 3 (3GPP TS 29.486 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 129500 V 16.7.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 16.7.0 Release 16)	33.070.99	2021-04

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ETSI TS 129502 V 15.10.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 129502 V 16.7.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129503 V 16.7.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129504 V 15.8.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 15.8.0 Release 15)	33.070.99	2021-04
ETSI TS 129504 V 16.7.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129505 V 16.6.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129507 V 16.7.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129508 V 15.9.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 129508 V 16.7.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129509 V 16.7.0	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129510 V 15.9.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 129510 V 16.7.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129511 V 16.4.0	5G – 5G System – Equipment Identity Register Services – Stage 3 (3GPP TS 29.511 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129512 V 15.10.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 129512 V 16.8.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 16.8.0 Release 16)	33.070.99	2021-04
ETSI TS 129513 V 15.10.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 129513 V 16.7.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129514 V 15.9.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 129514 V 16.8.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 16.8.0 Release 16)	33.070.99	2021-04
ETSI TS 129515 V 16.4.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129517 V 16.4.0	5G – 5G System – Application Function Event Exposure Service – Stage 3 (3GPP TS 29.517 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129518 V 16.7.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129519 V 15.8.0	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 15.8.0 Release 15)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129519 V 16.7.0	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129520 V 16.7.0	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129521 V 16.7.0	5G – 5G System – Binding Support Management Service – Stage 3 (3GPP TS 29.521 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129522 V 15.7.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 15.7.0 Release 15)	33.070.99	2021-04
ETSI TS 129522 V 16.7.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129525 V 16.7.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129531 V 16.6.0	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129540 V 15.9.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 129540 V 16.7.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129541 V 16.3.0	LTE – 5G – 5G System – Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.541 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 129542 V 16.4.0	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 129551 V 15.8.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 15.8.0 Release 15)	33.070.99	2021-04
ETSI TS 129551 V 16.7.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129554 V 15.6.0	5G – 5G System – Background Data Transfer Policy Control Service – Stage 3 (3GPP TS 29.554 version 15.6.0 Release 15)	33.070.99	2021-04
ETSI TS 129554 V 16.6.0	5G – 5G System – Background Data Transfer Policy Control Service – Stage 3 (3GPP TS 29.554 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129561 V 16.7.0	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129562 V 16.4.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 29.562 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129563 V 16.4.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129571 V 16.7.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 129572 V 16.6.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129573 V 15.4.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 15.4.0 Release 15)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129573 V 16.6.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 129591 V 16.4.0	5G – 5G System – Network Exposure Function Southbound Services – Stage 3 (3GPP TS 29.591 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129594 V 16.5.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 129598 V 16.4.0	5G – Unstructured data storage services (3GPP TS 29.598 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 129673 V 16.4.0	LTE – 5G – 5G System – UE radio capability management services – Stage 3 (3GPP TS 29.673 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 131101 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Physical and logical characteristics (3GPP TS 31.101 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 131111 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 15.11.0 Release 15)	33.070.50	2021-04
ETSI TS 131111 V 16.4.0	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 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 131121 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 132240 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 132254 V 16.4.0	LTE – 5G – Telecommunication management – Charging management – Exposure function Northbound Application Program Interfaces (APIs) charging (3GPP TS 32.254 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 132255 V 16.8.0	5G – Telecommunication management – Charging management – 5G data connectivity domain charging – Stage 2 (3GPP TS 32.255 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 132256 V 16.2.0	5G – Charging management – 5G connection and mobility domain charging – Stage 2 (3GPP TS 32.256 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 132260 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – IP Multimedia Subsystem (IMS) charging (3GPP TS 32.260 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 132290 V 16.7.0	5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 132291 V 16.7.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.7.0 Release 16)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 132298 V 16.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.8.0 Release 16)	33.070.50	2021-04
ETSI TS 132422 V 11.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 11.14.0 Release 11)	33.070.50	2021-04
ETSI TS 132422 V 12.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 12.6.0 Release 12)	33.070.50	2021-04
ETSI TS 132422 V 13.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 13.2.0 Release 13)	33.070.50	2021-04
ETSI TS 132422 V 14.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 14.2.0 Release 14)	33.070.50	2021-04
ETSI TS 132422 V 15.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 15.6.0 Release 15)	33.070.50	2021-04
ETSI TS 132422 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 132423 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 133108 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Digital cellular telecommunications system (Phase 2+) (GSM) – 3G security – Handover interface for Lawful Interception (LI) (3GPP TS 33.108 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TS 133127 V 16.7.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.7.0 Release 16)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 133128 V 16.6.0	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 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 133180 V 14.9.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 14.9.0 Release 14)	33.070.50	2021-04
ETSI TS 133180 V 15.9.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 15.9.0 Release 15)	33.070.50	2021-04
ETSI TS 133180 V 16.6.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 133310 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Network Domain Security (NDS) – Authentication Framework (AF) (3GPP TS 33.310 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 133328 V 12.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 12.9.0 Release 12)	33.070.50	2021-04
ETSI TS 133328 V 13.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 13.1.0 Release 13)	33.070.50	2021-04
ETSI TS 133328 V 14.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 14.1.0 Release 14)	33.070.50	2021-04
ETSI TS 133328 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 15.1.0 Release 15)	33.070.50	2021-04
ETSI TS 133328 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) media plane security (3GPP TS 33.328 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 133434 V 16.2.0	LTE – 5G – Security aspects of Service Enabler Architecture Layer (SEAL) for verticals (3GPP TS 33.434 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 133501 V 15.12.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.12.0 Release 15)	33.070.50	2021-04
ETSI TS 133501 V 16.6.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 133511 V 16.6.0	5G – Security Assurance Specification (SCAS) for the next generation Node B (gNodeB) network product class (3GPP TS 33.511 version 16.6.0 Release 16)	33.070.50	2021-04
ETSI TS 133512 V 16.5.0	5G – 5G Security Assurance Specification (SCAS) – Access and Mobility management Function (AMF) (3GPP TS 33.512 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 133517 V 16.2.0	5G – 5G Security Assurance Specification (SCAS) for the Security Edge Protection Proxy (SEPP) network product class (3GPP TS 33.517 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 133536 V 16.3.0	LTE – 5G – Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 16.3.0 Release 16)	33.070.50	2021-04
ETSI TR 133926 V 16.4.0	LTE – Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes (3GPP TR 33.926 version 16.4.0 Release 16)	33.070.50	2021-04



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 134229-1 V 15.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 15.7.0 Release 15)	33.070.50	2021-04
ETSI TS 134229-2 V 15.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 15.6.0 Release 15)	33.070.50	2021-04
ETSI TS 134229-3 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 16.1.0 Release 16)	33.070.50	2021-04
ETSI TS 134229-5 V 15.3.0	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 15.3.0 Release 15)	33.070.50	2021-04
ETSI TS 136104 V 10.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 10.14.0 Release 10)	33.070.50	2021-04
ETSI TS 136104 V 11.18.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 11.18.0 Release 11)	33.070.50	2021-04
ETSI TS 136104 V 12.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 12.14.0 Release 12)	33.070.50	2021-04
ETSI TS 136104 V 13.14.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 13.14.0 Release 13)	33.070.50	2021-04
ETSI TS 136104 V 14.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 14.10.0 Release 14)	33.070.50	2021-04
ETSI TS 136104 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 15.11.0 Release 15)	33.070.50	2021-04
ETSI TS 136104 V 16.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 136141 V 10.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 10.15.0 Release 10)	33.070.50	2021-04
ETSI TS 136141 V 11.18.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 11.18.0 Release 11)	33.070.50	2021-04
ETSI TS 136141 V 12.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 12.15.0 Release 12)	33.070.50	2021-04
ETSI TS 136141 V 13.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 13.16.0 Release 13)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136141 V 14.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 14.13.0 Release 14)	33.070.50	2021-04
ETSI TS 136141 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 15.12.0 Release 15)	33.070.50	2021-04
ETSI TS 136141 V 16.9.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 136212 V 13.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 13.11.0 Release 13)	33.070.50	2021-04
ETSI TS 136212 V 14.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 14.15.0 Release 14)	33.070.50	2021-04
ETSI TS 136212 V 15.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 15.13.0 Release 15)	33.070.50	2021-04
ETSI TS 136212 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 136214 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer – Measurements (3GPP TS 36.214 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 136300 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 136306 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 136321 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 136323 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.2.0 Release 16)	33.070.50	2021-04
ETSI TS 136331 V 15.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.13.0 Release 15)	33.070.50	2021-04
ETSI TS 136331 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 136413 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 136423 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.5.0 Release 16)	33.070.50	2021-04
ETSI TS 136509 V 15.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 15.5.0 Release 15)	33.070.50	2021-04
ETSI TS 136579-4 V 14.5.0	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.5.0 Release 14)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136579-5 V 14.2.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.2.0 Release 14)	33.070.99	2021-04
ETSI TS 136579-6 V 14.1.0	LTE – Mission Critical (MC) services over LTE – Part 6: Mission Critical Video (MCVideo) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-6 version 14.1.0 Release 14)	33.070.99	2021-04
ETSI TS 136579-7 V 14.2.0	LTE – Mission Critical (MC) services over LTE – Part 7: Mission Critical Data (MCDATA) User Equipment (UE) Protocol conformance specification (3GPP TS 36.579-7 version 14.2.0 Release 14)	33.070.99	2021-04
ETSI TS 137104 V 10.15.0	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 10.15.0 Release 10)	33.070.50	2021-04
ETSI TS 137104 V 11.15.0	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 11.15.0 Release 11)	33.070.50	2021-04
ETSI TS 137104 V 12.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 12.14.0 Release 12)	33.070.50	2021-04
ETSI TS 137104 V 13.9.0	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 13.9.0 Release 13)	33.070.50	2021-04
ETSI TS 137104 V 14.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 14.7.0 Release 14)	33.070.50	2021-04
ETSI TS 137104 V 15.13.0	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 15.13.0 Release 15)	33.070.50	2021-04
ETSI TS 137104 V 16.9.0	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 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 137141 V 10.15.0	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 10.15.0 Release 10)	33.070.50	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137141 V 11.16.0	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) conformance testing (3GPP TS 37.141 version 11.16.0 Release 11)	33.070.50	2021-04
ETSI TS 137141 V 12.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 12.14.0 Release 12)	33.070.50	2021-04
ETSI TS 137141 V 13.15.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 13.15.0 Release 13)	33.070.50	2021-04
ETSI TS 137141 V 14.13.0	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 14.13.0 Release 14)	33.070.50	2021-04
ETSI TS 137141 V 15.14.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.14.0 Release 15)	33.070.50	2021-04
ETSI TS 137141 V 16.9.0	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 16.9.0 Release 16)	33.070.50	2021-04
ETSI TS 137145-1 V 13.12.0	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 13.12.0 Release 13)	33.070.99	2021-04
ETSI TS 137145-1 V 14.10.0	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 14.10.0 Release 14)	33.070.99	2021-04
ETSI TS 137145-1 V 15.9.0	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 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 137145-1 V 16.6.0	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 16.6.0 Release 16)	33.070.99	2021-04
ETSI TS 137145-2 V 15.10.0	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 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 137145-2 V 16.7.0	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 16.7.0 Release 16)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137213 V 16.5.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 137320 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio measurement collection for Minimization of Drive Tests (MDT) – Overall description – Stage 2 (3GPP TS 37.320 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 137340 V 15.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.12.0 Release 15)	33.070.99	2021-04
ETSI TS 137340 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 137355 V 16.4.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 137473 V 16.4.0	LTE – 5G – W1 interface – Application Protocol (W1AP) (3GPP TS 37.473 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TS 137544 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) Over The Air (OTA) performance – Conformance testing (3GPP TS 37.544 version 16.1.0 Release 16)	33.070.99	2021-04
ETSI TS 137571-2 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 137571-3 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.7.0 Release 16)	33.070.50	2021-04
ETSI TS 137571-5 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.4.0 Release 16)	33.070.50	2021-04
ETSI TR 137901-5 V 16.3.0	5G – Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138101-2 V 15.13.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138101-2 V 16.7.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 2: Range 2 Standalone (3GPP TS 38.101-2 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138101-3 V 15.13.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138101-3 V 16.7.0	5G – NR – User Equipment (UE) radio transmission and reception – Part 3: Range 1 and Range 2 Interworking operation with other radios (3GPP TS 38.101-3 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138104 V 15.13.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138104 V 16.7.0	5G – NR – Base Station (BS) radio transmission and reception (3GPP TS 38.104 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138113 V 15.13.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 15.13.0 Release 15)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138113 V 16.3.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138124 V 15.5.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 15.5.0 Release 15)	33.070.99	2021-04
ETSI TS 138124 V 16.2.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 16.2.0 Release 16)	33.070.99	2021-04
ETSI TS 138141-1 V 15.8.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 15.8.0 Release 15)	33.070.99	2021-04
ETSI TS 138141-1 V 16.7.0	5G – NR – Base Station (BS) conformance testing Part 1: Conducted conformance testing (3GPP TS 38.141-1 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138141-2 V 15.9.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 15.9.0 Release 15)	33.070.99	2021-04
ETSI TS 138141-2 V 16.7.0	5G – NR – Base Station (BS) conformance testing Part 2: Radiated conformance testing (3GPP TS 38.141-2 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138174 V 16.2.0	5G – NR – Integrated Access and Backhaul (IAB) radio transmission and reception (3GPP TS 38.174 version 16.2.0 Release 16)	33.070.99	2021-04
ETSI TS 138211 V 16.5.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138212 V 16.5.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138213 V 15.13.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138213 V 16.5.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138214 V 15.12.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.12.0 Release 15)	33.070.99	2021-04
ETSI TS 138214 V 16.5.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138300 V 15.12.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 15.12.0 Release 15)	33.070.99	2021-04
ETSI TS 138300 V 16.5.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138304 V 16.4.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138305 V 15.8.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 15.8.0 Release 15)	33.070.99	2021-04
ETSI TS 138305 V 16.4.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138306 V 15.13.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138306 V 16.4.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138307 V 15.8.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 15.8.0 Release 15)	33.070.99	2021-04
ETSI TS 138307 V 16.6.0	5G – NR – Requirements on User Equipments (UEs) supporting a release-independent frequency band (3GPP TS 38.307 version 16.6.0 Release 16)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138314 V 16.3.0	5G – NR – Layer 2 measurements (3GPP TS 38.314 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138321 V 15.12.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.12.0 Release 15)	33.070.99	2021-04
ETSI TS 138321 V 16.4.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138323 V 16.3.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138331 V 15.13.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138331 V 16.4.1	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.4.1 Release 16)	33.070.99	2021-04
ETSI TS 138340 V 16.4.0	5G – NR – Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138401 V 16.5.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138413 V 15.11.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 15.11.0 Release 15)	33.070.99	2021-04
ETSI TS 138413 V 16.5.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138415 V 16.4.0	5G – NG-RAN – PDU session user plane protocol (3GPP TS 38.415 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138423 V 15.11.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.11.0 Release 15)	33.070.99	2021-04
ETSI TS 138423 V 16.5.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138425 V 16.3.0	5G – NG-RAN – NR user plane protocol (3GPP TS 38.425 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138455 V 16.3.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138460 V 16.3.0	5G – NG-RAN – E1 general aspects and principles (3GPP TS 38.460 version 16.3.0 Release 16)	33.070.99	2021-04
ETSI TS 138463 V 16.5.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138470 V 16.4.0	5G – NG-RAN – F1 general aspects and principles (3GPP TS 38.470 version 16.4.0 Release 16)	33.070.99	2021-04
ETSI TS 138473 V 15.13.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.13.0 Release 15)	33.070.99	2021-04
ETSI TS 138473 V 16.5.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.5.0 Release 16)	33.070.99	2021-04
ETSI TS 138509 V 15.10.0	5G – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 15.10.0 Release 15)	33.070.99	2021-04
ETSI TS 138509 V 16.0.0	5G – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 16.0.0 Release 16)	33.070.99	2021-04
ETSI TS 138521-4 V 16.7.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TS 138522 V 16.7.0	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.7.0 Release 16)	33.070.99	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 138523-3 V 16.1.0	5G – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 16.1.0 Release 16)	33.070.99	2021-04
ETSI TR 138903 V 16.7.0	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI TR 138905 V 16.7.0	5G – NR – Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.7.0 Release 16)	33.070.99	2021-04
ETSI GS CIM 009 V 1.4.2	Context Information Management (CIM) – NGSI-LD API	35.240.01	2021-04
ETSI GS CIM 014 V 1.1.1	Context Information Management (CIM) – NGSI-LD Test Suite	35.080; 35.240.01	2021-04
ETSI GS CIM 016 V 1.1.1	Context Information Management (CIM) – NGSI-LD Testing Framework: Test Template	35.080; 35.240.01	2021-04
ETSI GS E4P 003 V 1.1.1	Europe for Privacy-Preserving Pandemic Protection (E4P) – High level requirements for pandemic contact tracing systems using mobile devices	13.200; 33.200; 35.240.99	2021-04
ETSI GR CIM 011 V 1.1.1	Context Information Management (CIM) – NGSI-LD Testing Framework: Test Purposes Description Language (TPDL)	35.080; 35.240.01	2021-04
ETSI GR mWT 022 V 1.1.1	Analysis of Spectrum, License Schemes and Network Scenarios in the RF bands above 174,8 GHz	33.070.99; 35.110	2021-04
EN 301444 V 2.2.1	Satellite Earth Stations and Systems (SES) – Land Mobile Earth Stations (LMES) and Maritime Mobile Earth Stations (MMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands – Harmonised Standard for access to radio spectrum	33.060.30; 33.070.40	2021-04
EN 303413 V 1.2.1	Satellite Earth Stations and Systems (SES) – Global Navigation Satellite System (GNSS) receivers – Radio equipment operating in the 1164 MHz to 1300 MHz and 1559 MHz to 1610 MHz frequency bands – Harmonised Standard for access to radio spectrum	33.060.20	2021-04
EN 303746 V 1.1.1	Maritime Location Systems – Radio transmitters and receivers for radio links in maritime radio location systems operating in the 9 GHz frequency band (X band)	33.060.20	2021-04
EN 303981 V 1.2.1	Satellite Earth Stations and Systems (SES) – Fixed and in-motion Wide Band Earth Stations communicating with non-geostationary satellite systems (WBES) in the 11 GHz to 14 GHz frequency bands – Harmonised Standard for access to radio spectrum	33.060.30	2021-04



## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 630-1	Structural steels – Part 1: General technical delivery conditions for hot-rolled products	77.140.01	2021-04
ISO 630-2	Structural steels – Part 2: Technical delivery conditions for structural steels for general purposes	77.140.01	2021-04
ISO 630-3	Structural steels – Part 3: Technical delivery conditions for fine-grain structural steels	77.140.01	2021-04
ISO 630-4	Structural steels – Part 4: Technical delivery conditions for high yield strength quenched and tempered structural steel plates and wide flats	77.140.01	2021-04
ISO 1140	Fibre ropes – Polyamide – 3-, 4-, 8- and 12-strand ropes	59.080.50	2021-04
ISO 1141	Fibre ropes – Polyester – 3-, 4-, 8- and 12-strand ropes	59.080.50	2021-04
ISO 1346	Fibre ropes – Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high-tenacity multifilament (PP3) – 3-, 4-, 8- and 12-strand ropes	59.080.50	2021-04
ISO 1402	Rubber and plastics hoses and hose assemblies – Hydrostatic testing	23.040.70	2021-04
ISO 3834-2	Quality requirements for fusion welding of metallic materials – Part 2: Comprehensive quality requirements	25.160.01	2021-04
ISO 3834-3	Quality requirements for fusion welding of metallic materials – Part 3: Standard quality requirements	25.160.01	2021-04
ISO 3834-4	Quality requirements for fusion welding of metallic materials – Part 4: Elementary quality requirements	25.160.01	2021-04
ISO 4216	Thermosetting resin and UV curable resin – Determination of shrinkage by continuous measurement method	83.080.10	2021-04
ISO 4518	Metallic coatings – Measurement of coating thickness – Profilometric method	25.220.40	2021-04
ISO 4589-4	Plastics – Determination of burning behaviour by oxygen index – Part 4: High gas velocity test	13.220.40; 83.080.01	2021-04
ISO 6249	Petroleum products – Determination of thermal oxidation stability of gas turbine fuels	75.160.20	2021-04
ISO 7233	Rubber and plastics hoses and hose assemblies – Determination of resistance to vacuum	23.040.70	2021-04
ISO 7432	Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Test methods to prove the design of locked socket-and-spigot joints, including double-socket joints, with elastomeric seals	23.040.20; 23.040.45	2021-04
ISO 7905-1	Plain bearings – Bearing fatigue – Part 1: Plain bearings in test rigs and in applications under conditions of hydrodynamic lubrication	21.100.10	2021-04
ISO 8297 AMD 1	Acoustics – Determination of sound power levels of multisource industrial plants for evaluation of sound pressure levels in the environment – Engineering method; Amendment 1	17.140.20	2021-04
ISO 8909-1	Equipment for harvesting – Forage harvesters – Part 1: Vocabulary	01.040.65; 65.060.50	2021-04
ISO 8909-2	Equipment for harvesting – Forage harvesters – Part 2: Specification of characteristics and performance	65.060.50	2021-04
ISO 8909-3	Equipment for harvesting – Forage harvesters – Part 3: Test methods	65.060.50	2021-04
ISO 9038	Determination of sustained combustibility of liquids	13.220.40; 75.080; 87.040	2021-04

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 10014	Quality management systems – Managing an organization for quality results – Guidance for realizing financial and economic benefits	03.120.10	2021-04
ISO 10140-2	Acoustics – Laboratory measurement of sound insulation of building elements – Part 2: Measurement of airborne sound insulation	91.120.20	2021-04
ISO 10140-3	Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation	91.120.20	2021-04
ISO 10140-4	Acoustics – Laboratory measurement of sound insulation of building elements – Part 4: Measurement procedures and requirements	91.120.20	2021-04
ISO 10140-5	Acoustics – Laboratory measurement of sound insulation of building elements – Part 5: Requirements for test facilities and equipment	91.120.20	2021-04
ISO/TS 10300-20	Calculation of load capacity of bevel gears – Part 20: Calculation of scuffing load capacity – Flash temperature method	21.200	2021-04
ISO/TR 10300-32	Calculation of load capacity of bevel gears – Part 32: ISO rating system for bevel and hypoid gears – Sample calculation for scuffing load capacity	21.200	2021-04
ISO 10390	Soil, treated biowaste and sludge – Determination of pH	13.080.10	2021-04
ISO 10466	Glass-reinforced thermosetting plastics (GRP) pipes – Test method to prove the resistance to initial ring deflection	23.040.20	2021-04
ISO 10542-1 AMD 1	Technical systems and aids for disabled or handicapped persons – Wheelchair tiedown and occupant-restraint systems – Part 1: Requirements and test methods for all systems – Amendment 1: Annexes K, L, M	11.180.10	2021-04
ISO 12130-1	Plain bearings – Hydrodynamic plain tilting pad thrust bearings under steady-state conditions – Part 1: Calculation of tilting pad thrust bearings	21.100.10	2021-04
ISO 12176-2 AMD 1	Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 2: Electrofusion; Amendment 1	23.040.20; 23.040.45; 75.200	2021-04
ISO 12625-17	Tissue paper and tissue products – Part 17: Determination of disintegration in water	85.080.20	2021-04
ISO 12671	Thermal spraying – Thermally sprayed coatings – Symbolic representation on drawings	01.080.30; 25.220.20	2021-04
ISO 13408-6	Aseptic processing of health care products – Part 6: Isolator systems	11.080.01	2021-04
ISO 14557	Fire-fighting hoses – Rubber and plastics suction hoses and hose assemblies	13.220.10; 83.140.40	2021-04
ISO 14931	Leather – Leather for apparel (excluding furs) – Specifications and sampling procedures	59.140.30	2021-04
ISO 14945	Small craft – Builder's plate	47.080	2021-04
ISO 14946	Small craft – Maximum load capacity	47.080	2021-04
ISO 16322-2	Textiles – Determination of spirality after laundering – Part 2: Woven and knitted fabrics	59.080.01	2021-04
ISO 16322-3	Textiles – Determination of spirality after laundering – Part 3: Woven and knitted garments	59.080.01	2021-04
ISO 16337	Application of statistical and related methods to new technology and product development process – Robust tolerance design (RTD)	03.120.30	2021-04

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ISO 16460	Intelligent transport systems – Localized communications – Communication protocol messages for global usage	03.220.01; 35.240.60	2021-04
ISO 16792	Technical product documentation – Digital product definition data practices	01.110; 35.240.10	2021-04
ISO 17088	Plastics – Organic recycling – Specifications for compostable plastics	83.080.01	2021-04
ISO/TR 17327-2	Non-active surgical implants – Implant coating – Part 2: Reference standards related to coatings	11.040.40	2021-04
ISO/TR 18568	Packaging and the environment – Marking for material identification	13.020.01; 55.020	2021-04
ISO 19148	Geographic information – Linear referencing	35.240.70	2021-04
ISO/TS 19488	Acoustics – Acoustic classification of dwellings	91.120.20	2021-04
ISO/TR 20172	Welding – Grouping systems for materials – European materials	25.160.20	2021-04
ISO 20417	Medical devices – Information to be supplied by the manufacturer	11.040.01	2021-04
ISO 20579-3	Surface chemical analysis – Sample handling, preparation and mounting – Part 3: Biomaterials	71.040.40	2021-04
ISO/TR 20590	Space systems – Space debris mitigation design and operation manual for launch vehicle orbital stages	49.140	2021-04
ISO 20684-1	Intelligent transport systems – Roadside modules SNMP data interface – Part 1: Overview	03.220.20; 35.240.60	2021-04
ISO/TS 20684-10	Intelligent transport systems – Roadside modules SNMP data interface – Part 10: Variable message signs	03.220.20; 35.240.60	2021-04
ISO 20730-1	Road vehicles – Vehicle interface for electronic Periodic Technical Inspection (ePTI) – Part 1: Application and communication requirements	43.180	2021-04
ISO 20940	Leather – Crust full chrome upper leather – Specifications and test methods	59.140.30	2021-04
ISO 20965	Plastics – Determination of the transient extensional viscosity of polymer melts	83.080.01	2021-04
ISO/TR 21332	Health informatics – Cloud computing considerations for the security and privacy of health information systems	35.240.80	2021-04
ISO/TS 22077-5	Health informatics – Medical waveform format – Part 5: Neurophysiological signals	35.240.80	2021-04
ISO 22873	Quality control for batching and mixing steel fibre-reinforced concretes	91.100.30	2021-04
ISO 23036-1	Microbiology of the food chain – Methods for the detection of Anisakidae L3 larvae in fish and fishery products – Part 1: UV-press method	07.100.30	2021-04
ISO 23036-2	Microbiology of the food chain – Methods for the detection of Anisakidae L3 larvae in fish and fishery products – Part 2: Artificial digestion method	07.100.30	2021-04
ISO 23071	Refractory products – Determination of reduced species in carbon containing refractories by XRD	81.080	2021-04
ISO 23131	Ellipsometry – Principles	17.020	2021-04
ISO 23364	Optics and Photonics – Bulk absorption optical filters	37.020	2021-04
ISO 23384	Rubber and plastics hoses and hose assemblies, wire or textile reinforced types with working pressure equal or above 70 MPa (700 bar) – Specification	23.040.70	2021-04
ISO 23420	Microbeam analysis – Analytical electron microscopy – Method for the determination of energy resolution for electron energy loss spectrum analysis	71.040.50	2021-04
ISO 23445	Dentistry – Tissue punches	11.060.25	2021-04

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ISO 23486	Metallic and other inorganic coatings – Measurement of Young's modulus of thermal barrier coatings at elevated temperature by flexural resonance method	25.220.40	2021-04
ISO 23495	Industrial furnaces and associated processing equipment – Safety requirements for steel converter and associated equipment	13.100; 25.180.01	2021-04
ISO 23506	Workplace air – Analysis of airborne water immiscible mineral oil droplets and vapor with Fourier – Transform infrared spectroscopy	13.040.30	2021-04
ISO 23692	Microbeam analysis – Electron probe microanalysis – Quantitative analysis of Mn dendritic segregation in continuously cast steel product	71.040.50	2021-04
ISO 23738	Fine ceramics (advanced ceramics, advanced technical ceramics) – Measurement method of spectral reflectance of fine ceramic thin films under humid conditions	81.060.30	2021-04
ISO 23903	Health informatics – Interoperability and integration reference architecture – Model and framework	35.240.80	2021-04
ISO 23940	Dentistry – Excavators	11.060.25	2021-04
ISO 24070-1	Building and civil engineering sealants – Determination of cured thickness of one-component sealant – Part 1: Taper-shaped groove test method	91.100.50	2021-04
ISO 24070-2	Building and civil engineering sealants – Determination of cured thickness of one-component sealant – Part 2: Cylindrical cup test method	91.100.50	2021-04
ISO/TR 24217-2	Fine bubble technology – Guideline for indicating benefits – Part 2: Assignment of Sustainable Development Goals (SDGs) to applications of fine bubble technologies	07.030	2021-04
ISO/TR 24539	Service activities relating to drinking water supply, wastewater and stormwater systems – Examples of good practices for stormwater management	03.080.30; 13.060.01; 93.025	2021-04
ISO 27269	Health informatics – International patient summary	35.240.80	2021-04
ISO 29994	Education and learning services – Requirements for distance learning	03.180	2021-04
ISO/TS 30430	Human resource management – Recruitment metrics cluster	03.100.30	2021-04
ISO 37301	Compliance management systems – Requirements with guidance for use	03.100.01; 03.100.02; 03.100.70	2021-04
ISO 44003	Collaborative business relationship management – Guidelines for micro, small and medium-sized enterprises on the implementation of the fundamental principles	03.100.01	2021-04
ISO 80601-2-87	Medical electrical equipment – Part 2-87: Particular requirements for basic safety and essential performance of high-frequency ventilators	11.040.10	2021-04

## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC/PAS 63386	IEC/PAS: Conductive charging of electric vehicle – AC vehicle coupler type 4	43.040.10; 43.120	2021-04
IEC/TS 60034-27-5	Rotating electrical machines – Part 27-5: Off-line measurement of partial discharge inception voltage on winding insulation under repetitive impulse voltage	29.160.01	2021-04
IEC 60050-431 AMD 1	International Electrotechnical Vocabulary (IEV) – Part 431: Transducers; Amendment 1	01.040.29; 29.020; 29.200	2021-04
IEC 60050-712 AMD 1	International Electrotechnical Vocabulary (IEV) – Part 712: Antennas; Amendment 1	01.040.29; 01.040.33; 29.020; 33.120.40	2021-04
IEC 60050-726 AMD 6	International Electrotechnical Vocabulary (IEV) – Part 726: Transmission lines and waveguides; Amendment 6	01.040.29; 01.040.33; 29.020; 33.120.10	2021-04
IEC 60050-731 AMD 6	International Electrotechnical Vocabulary (IEV) – Part 731: Optical fibre communication; Amendment 6	01.040.33; 33.180.01	2021-04
IEC 60050-732 AMD 3	International Electrotechnical Vocabulary (IEV) – Part 732: Computer network technology; Amendment 3	01.040.29; 01.040.35; 29.020; 35.110	2021-04
IEC 60050-802 AMD 1	International Electrotechnical Vocabulary (IEV) – Part 802: Ultrasonics; Amendment 1	01.040.01; 01.040.17; 01.040.29; 17.140.50; 29.020; 35.020	2021-04
IEC 60050-815 AMD 3	International Electrotechnical Vocabulary (IEV) – Part 815: Superconductivity; Amendment 3	01.040.29; 29.020; 29.050	2021-04
IEC 60050-841 AMD 1	International Electrotechnical Vocabulary (IEV) – Part 841: Industrial electroheat; Amendment 1	01.040.25; 01.040.29; 25.180.10; 29.020	2021-04
IEC 60086-1	Primary batteries – Part 1: General	29.220.10	2021-04
IEC 60086-2	Primary batteries – Part 2: Physical and electrical specifications	29.220.10	2021-04
IEC 60086-3	Primary batteries – Part 3: Watch batteries	29.220.10; 39.040.10	2021-04
IEC 60269-6 AMD 1	Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems; Amendment 1	29.120.50	2021-04
IEC 60269-6 Edition 1.1	Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems	29.120.50	2021-04
IEC 60286-1 AMD 1	Packaging of components for automatic handling – Part 1: Tape packaging of components with axial leads on continuous tapes; Amendment 1	31.020; 31.240	2021-04
IEC 60286-1 Edition 3.1	Packaging of components for automatic handling – Part 1: Tape packaging of components with axial leads on continuous tapes	31.020; 31.240	2021-04
IEC 60335-2-69	Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use	97.080	2021-04
IEC 60364-5-54 AMD 1	Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors; Amendment 1	29.020; 91.140.50	2021-04
IEC 60364-5-54 Edition 3.1	Low-voltage electrical installations – Part 5-54: Selection and erection of electrical equipment – Earthing arrangements and protective conductors	29.020; 91.140.50	2021-04
IEC 60384-2	Fixed capacitors for use in electronic equipment – Part 2: Sectional specification – Fixed metallized polyethylene-terephthalate film dielectric DC capacitors	31.060.30	2021-04
IEC/TS 60695-2-20	Fire hazard testing – Part 2-20: Glowing/hot wire based test methods – Hot-wire coil test method – Apparatus, verification, test method and guidance	13.220.40; 29.020; 29.035.01	2021-04

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IEC 60773	Rotating electrical machines – Test methods and apparatus for the measurement of the operational characteristics of brushes	29.160.10	2021-04
IEC 60794-1-403	Optical fibre cables – Part 1-403: Generic specification – Basic optical cable test procedures – Electrical test methods – Electrical continuity test of cable metallic elements, method H3	33.180.10	2021-04
IEC 60794-3-70	Optical fibre cables – Part 3-70: Outdoor cables – Family specification for outdoor optical fibre cables for rapid/multiple deployment	33.180.01; 33.180.10	2021-04
IEC 60794-4-30	Optical fibre cables – Part 4-30: Aerial optical cables along electrical power lines – Family specification for optical phase conductor (OPPC) optical cables	33.180.10	2021-04
IEC 60809	Lamps and light sources for road vehicles – Dimensional, electrical and luminous requirements	29.140.20; 43.040.20	2021-04
IEC 60947-4-1 Corrigendum 2	Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters; Corrigendum 2	29.130.20	2021-04
IEC 60947-9-2	Low-voltage switchgear and controlgear – Part 9-2: Active arc-fault mitigation systems – Optical-based internal arc-detection and mitigation devices	29.120.40; 29.130.20	2021-04
IEC 60974-8	Arc welding equipment – Part 8: Gas consoles for welding and plasma cutting systems	25.160.30	2021-04
IEC 60974-11	Arc welding equipment – Part 11: Electrode holders	25.160.30	2021-04
IEC 60974-13	Arc welding equipment – Part 13: Welding current return clamp	25.160.30	2021-04
IEC 61076-3-122	Connectors for electrical and electronic equipment – Product requirements – Part 3-122: Detail specification for 8-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz and current-carrying capacity in industrial environments	31.220.10	2021-04
IEC/PAS 61162-103	Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 103: Single talker and multiple listeners – New and amended sentences and Talker IDs	47.020.70	2021-04
IEC 61243-1	Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV AC	13.260; 17.220.20; 29.240.20; 29.260.99	2021-04
IEC 61386-21	Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems	29.120.10	2021-04
IEC 61386-22	Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems	29.120.10	2021-04
IEC 61386-23	Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems	29.120.10	2021-04
IEC 61468	Nuclear power plants – Instrumentation systems important to safety – In-core instrumentation: Characteristics and test methods of self-powered neutron detectors	27.120.20	2021-04
IEC 61558-2-1	Safety of transformers, reactors, power supply units and combinations thereof – Part 2-1: Particular requirements and tests for separating transformers and power supply units incorporating separating transformers for general applications	29.180	2021-04
IEC 61587-6	Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 6: Security aspects for indoor cabinets	31.240	2021-04

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IEC 61753-111-08	Fibre optic interconnecting devices and passive components – Performance standard – Part 111-08: Sealed closures for category G – Ground	33.180.20	2021-04
IEC 61784-3-18 AMD 2	Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18; Amendment 2	25.040.40; 35.100.05; 35.160; 35.240.50	2021-04
IEC 61784-3-18 Edition 1.2	Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18	25.040.40; 35.100.05; 35.160; 35.240.50	2021-04
IEC 61788-17	Superconductivity – Part 17: Electronic characteristic measurements – Local critical current density and its distribution in large-area superconducting films	17.220.20; 29.050	2021-04
IEC/TR 61850-7-5	Communication networks and systems for power utility automation – Part 7-5: IEC 61850 Modelling concepts	33.200; 35.240.50	2021-04
IEC 61968-3	Application integration at electric utilities – System interfaces for distribution management – Part 3: Interface for network operations	33.200; 35.240.99	2021-04
IEC 62040-3	Uninterruptible power systems (UPS) – Part 3: Method of specifying the performance and test requirements	29.160.40; 29.200	2021-04
IEC 62148-21	Fibre optic active components and devices – Package and interface standards – Part 21: Design guidelines of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (SFLGA)	33.180.20	2021-04
IEC 62228-5	Integrated circuits – EMC evaluation of transceivers – Part 5: Ethernet transceivers	31.200	2021-04
IEC 62271-106	High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor-starters	29.130.10	2021-04
IEC 62488-3	Power line communication systems for power utility applications – Part 3: Digital Power Line Carrier (DPLC) Terminals and hybrid ADPLC Terminals	29.240.20; 33.200	2021-04
IEC 62841-2-3 Corrigendum 1	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-3: Particular requirements for hand-held grinders, disc-type polishers and disc-type sanders; Corrigendum 1	25.140.20	2021-04
IEC 62899-402-3	Printed electronics – Part 402-3: Printability – Measurement of qualities – Voids in printed pattern using a two-dimensional optical image	31.180	2021-04
IEC 62920 AMD 1	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment; Amendment 1	27.160	2021-04
IEC 62920 Edition 1.1	Photovoltaic power generating systems – EMC requirements and test methods for power conversion equipment	27.160	2021-04
IEC 62934	Grid integration of renewable energy generation – Terms and definitions	01.040.27; 01.040.29; 27.010; 27.190; 29.020; 29.240.01	2021-04
IEC/TR 62977-1-31	Electronic displays – Part 1-31: Generic – Practical information on the use of light measuring devices	31.120; 31.260	2021-04
IEC/TR 63042-303	UHV AC transmission systems – Part 303: Guideline for the measurement of UHV AC transmission line power frequency parameters	29.240.01; 29.240.20	2021-04
IEC/IEEE 63113	Nuclear facilities – Instrumentation important to safety – Spent fuel pool instrumentation	27.120.20	2021-04

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IEC/TS 63140	Photovoltaic (PV) modules – Partial shade endurance testing for monolithically integrated products	27.160	2021-04
IEC 63203-201-3	Wearable electronic devices and technologies – Part 201-3: Electronic textile – Determination of electrical resistance of conductive textiles under simulated microclimate	59.080.80	2021-04
IEC/TS 63209-1	Photovoltaic modules – Extended-stress testing – Part 1: Modules	27.160	2021-04
IEC 63229	Semiconductor devices – Classification of defects in gallium nitride epitaxial film on silicon carbide substrate	31.080.01; 31.080.99; 31.200	2021-04
IEC/TR 63304	Methods of measurement of the magnetic properties of permanent magnet (magnetically hard) materials in an open magnetic circuit using a superconducting magnet	17.220.20; 29.030	2021-04
ISO/IEC 11801-3 AMD 1	Information technology – Generic cabling for customer premises – Part 3: Industrial premises; Amendment 1	35.200	2021-04
ISO/IEC 21481	Information technology – Telecommunications and information exchange between systems – Near field communication interface and protocol 2 (NFCIP-2)	35.100.20	2021-04
ISO/IEC 21794-2	Information technology – Plenoptic image coding system (JPEG Pleno) – Part 2: Light field coding	35.040.30	2021-04
ISO/IEC 23126	Information technology for learning, education and training – Ubiquitous learning resource organization and description framework	35.240.90	2021-04
ISO/IEC 24734	Information technology – Office equipment – Method for measuring digital printing productivity	37.100.10	2021-04
ISO/IEC 24735	Information technology – Office equipment – Method for measuring digital copying productivity	37.100.10	2021-04
ISO/IEC 24800-2	Information technology – JPSearch – Part 2: Registration, identification and management of schema and ontology	35.040.30	2021-04
ISO/IEC 26580	Software and systems engineering – Methods and tools for the feature-based approach to software and systems product line engineering	35.080	2021-04
ISO/IEC 27050-4	Information technology – Electronic discovery – Part 4: Technical readiness	35.030	2021-04
ISO/IEC 29183	Information technology – Office equipment – Method for measuring digital copying productivity for a single one-sided original	37.100.10	2021-04
ISO/IEC TS 33061	Information technology – Process assessment – Process assessment model for software life cycle processes	35.080	2021-04