

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 22, Cestovna vozila

HRN EN 1647:2022 en pr
Vozila za odmor – Pokretni domovi za stanovanje – Smještajni zahtjevi koji se odnose na zdravlje i sigurnost (EN 1647:2018+A1:2021)
Leisure accommodation vehicles – Caravan holiday homes – Habitation requirements relating to health and safety (EN 1647:2018+A1:2021)

HRN ISO 3739-2:2022 en pr
Gume i naplatci za industrijska vozila – 2. dio: Pneumatske gume (milimetarski nizovi) na naplaticima s osnovom nagiba 5 stupnjeva ili ravnom – Nazivne nosivosti (ISO 3739-2:2021)
Industrial tyres and rims – Part 2: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims – Load ratings (ISO 3739-2:2021)

HRN ISO 3739-3:2022 en pr
Gume i naplatci za industrijska vozila – 3. dio: Naplatci (ISO 3739-3:2021)
Industrial tyres and rims – Part 3: Rims (ISO 3739-3:2021)

HRN ISO 3911:2022 en pr
Kotači i naplatci za pneumatske gume – Terminološki rječnik, označavanje i obilježavanje (ISO 3911:2021)
Wheels and rims for pneumatic tyres – Vocabulary, designation and marking (ISO 3911:2021)

HRN ISO 4000-2:2022 en pr
Gume i naplatci za osobne automobile – 2. dio: Naplatci (ISO 4000-2:2021)
Passenger car tyres and rims – Part 2: Rims (ISO 4000-2:2021)

HRN ISO 6621-3:2022 en pr
Motori s unutarnjim izgaranjem – Klipni prstenovi – 3. dio: Specifikacije materijala (ISO 6621-3:2021)
Internal combustion engines – Piston rings – Part 3: Material specifications (ISO 6621-3:2021)

HRN ISO 7299-2:2022 en pr
Dizelski motori – Prirubnice za pričvršćivanje pumpa – 2. dio: Visokotlačne dobavne pumpe za sustave ubrizgavanja goriva sa zajedničkim spremnikom (common rail) (ISO 7299-2:2021)
Diesel engines – End-mounting flanges for pumps – Part 2: High-pressure supply pumps for common rail fuel injection systems (ISO 7299-2:2021)

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 589:2022 en pr
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2018+A1:2022)
Automotive fuels – LPG – Requirements and test methods (EN 589:2018+A1:2022)

HRN EN 15984:2022 en pr
Naftna industrija i proizvodi – Određivanje sastava rafinerijskih plinova za loženje i izračunavanje udjela ugljika i toplinske vrijednosti – Metoda plinske kromatografije (EN 15984:2022)
Petroleum industry and products – Determination of composition of refinery heating gas and calculation of carbon content and calorific value – Gas chromatography method (EN 15984:2022)

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN ISO 939:2022 en pr
Mirodije i začini – Određivanje sadržaja vode (ISO 939:2021)
Spices and condiments – Determination of moisture content (ISO 939:2021)

HRN ISO 7301:2022 en pr
Riža – Specifikacija (ISO 7301:2021)
Rice – Specification (ISO 7301:2021)

HRN ISO 7970:2022 en pr
Pšenica (*Triticum aestivum* L.) – Specifikacija (ISO 7970:2021)
Wheat (*Triticum aestivum* L.) – Specification (ISO 7970:2021)

HRN ISO 11056:2022 en pr
Senzorske analize – Metodologija – Metoda procjene veličine (ISO 11056:2021)
Sensory analysis – Methodology – Magnitude estimation method (ISO 11056:2021)

HZN/TO 43, Akustika

HRN EN ISO 8253-3:2022 en pr
Akustika – Audiometrijske metode ispitivanja – 3. dio: Audiometrija govornim signalima (ISO 8253-3:2022; EN ISO 8253-3:2022)
Acoustics – Audiometric test methods – Part 3: Speech audiometry (ISO 8253-3:2022; EN ISO 8253-3:2022)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 17639:2022 en pr
Razorna ispitivanja zavara na metalnim materijalima – Makroskopsko i mikroskopsko ispitivanje zavara (ISO 17639:2022; EN ISO 17639:2022)
Destructive tests on welds in metallic materials – Macroscopic and microscopic examination of welds (ISO 17639:2022; EN ISO 17639:2022)

HZN/TO 54, Eterična ulja

HRN ISO 3065:2022 en pr
Eterično ulje eukaliptusa, australski tip (ISO 3065:2021)
Essential oil of Eucalyptus, Australian type (ISO 3065:2021)

HZN/TO 108, Mehaničke vibracije i udari

HRN ISO 5348:2022 en pr
Mehaničke vibracije i udari – Mehaničko pričvršćenje akcelerometara (ISO 5348:2021)
Mechanical vibration and shock – Mechanical mounting of accelerometers (ISO 5348:2021)

HZN/TO 120, Koža i obuća

HRN EN ISO 19574:2022 en pr
Obuća i komponente obuće – Kvalitativna metoda ispitivanja za ocjenu antifungalne aktivnosti (test rasta) (ISO 19574:2022; EN ISO 19574:2022)
Footwear and footwear components – Qualitative test method to assess antifungal activity (growth test) (ISO 19574:2022; EN ISO 19574:2022)

HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 4135:2022 en pr
Anestetička i respiracijska oprema – Terminološki rječnik (ISO 4135:2022; EN ISO 4135:2022)
Anaesthetic and respiratory equipment – Vocabulary (ISO 4135:2022; EN ISO 4135:2022)

HRN EN ISO 26825:2022 en pr
Anestetička i respiracijska oprema – Naljepnice za šprice s lijekovima za upotrebu tijekom anestezije koje stavlja korisnik – Boje, dizajn i svojstva (ISO 26825:2020; EN ISO 26825:2022)
Anaesthetic and respiratory equipment – User-applied labels for syringes containing drugs used during anaesthesia – Colours, design and performance (ISO 26825:2020; EN ISO 26825:2022)

HZN/TO 126, Duhan i duhanski proizvodi

HRN ISO 6488:2022 en pr
Duhan i duhanski proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 6488:2021)
Tobacco and tobacco products – Determination of water content – Karl Fischer method (ISO 6488:2021)

HRN ISO 10315:2022 en pr
Cigarette – Određivanje nikotina u sirovom dimnom kondenzatu iz glavne struje dima – Metoda plinske kromatografije (ISO 10315:2021)
Cigarettes – Determination of nicotine in total particulate matter from the mainstream smoke – Gas-chromatographic method (ISO 10315:2021)

HZN/TO 134, Gnojiva i poboljšivači tla

HRS CEN/TS 17728:2022 en pr
Organski poboljšivači tla – Određivanje specifičnih parametara (CEN/TS 17728:2022)
Organic soil improvers – Determination of specific parameters (CEN/TS 17728:2022)

HRS CEN/TS 17729:2022 en pr
Poboljšivači tla – Određivanje specifičnih parametara (CEN/TS 17729:2022)
Soil improvers – Determination of specific parameters (CEN/TS 17729:2022)

HRS CEN/TS 17730:2022 en pr
Karakteristike komposta i digestata kada se koriste u gnojidbenim proizvodima (CEN/TS 17730:2022)
Compost and digestate properties when used in fertilising products (CEN/TS 17730:2022)

HRS CEN/TS 17731:2022 en pr
Supstrati – Određivanje specifičnih parametara (CEN/TS 17731:2022)
Growing media – Determination of specific parameters (CEN/TS 17731:2022)

HRS CEN/TS 17732:2022 en pr
Poboljšivači tla i supstrati – Nazivlje (CEN/TS 17732:2022)
Soil improvers and growing media – Terminology (CEN/TS 17732:2022)

HRS CEN/TS 17733:2022 en pr
Poboljšivači tla i supstrati – Uzorkovanje i priprema uzorka (CEN/TS 17733:2022)
Soil improvers and growing media – Sampling and sample preparation (CEN/TS 17733:2022)

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

HRN EN ISO 11295:2022 en pr
Plastični cijevni sustavi koji se upotrebljavaju za sanaciju cjevovoda – Klasifikacija i pregled strateških, taktičkih i operativnih aktivnosti (ISO 11295:2022; EN ISO 11295:2022)
Plastics piping systems used for the rehabilitation of pipelines – Classification and overview of strategic, tactical and operational activities (ISO 11295:2022; EN ISO 11295:2022)

HRN EN ISO 13844:2022 en pr
Plastični cijevni sustavi – Spojni naglavci s elastomernom prstenastom brtvom za plastične cijevi – Metoda ispitivanja nepropusnosti pod negativnim tlakom, kutnim otklonom i deformacijom (ISO 13844:2022; EN ISO 13844:2022)
Plastics piping systems – Elastomeric-sealing-ring-type socket joints for use with plastic pressure pipes – Test method for leak tightness under negative pressure, angular deflection and deformation (ISO 13844:2022; EN ISO 13844:2022)

HZN/TO 146, Kvaliteta zraka

HRN EN 13725:2022 en pr
Emisije iz nepokretnih izvora – Određivanje koncentracije mirisa metodom dinamičke olfaktometrije i emisije mirisa (EN 13725:2022)
Stationary source emissions – Determination of odour concentration by dynamic olfactometry and odour emission rate (EN 13725:2022)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 5667-1:2022 en pr
Kvaliteta vode – Uzorkovanje – 1. dio: Smjernice za osmišljavanje programa uzorkovanja i tehnike uzorkovanja (ISO 5667-1:2020; EN ISO 5667-1:2022)
Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2020; EN ISO 5667-1:2022)

HRN EN ISO 13163:2022 en pr
Kvaliteta vode – Olovo-210 – Metoda ispitivanja s uporabom tekućinske scintilacije (ISO 13163:2021; EN ISO 13163:2022)
Water quality – Lead-210 – Test method using liquid scintillation counting (ISO 13163:2021; EN ISO 13163:2022)

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 10942:2022 en pr
Oftalmološki instrumenti – Oftalmoskopi (direktni) (ISO 10942:2022; EN ISO 10942:2022)
Ophthalmic instruments – Direct ophthalmoscopes (ISO 10942:2022; EN ISO 10942:2022)

HRN EN ISO 15798:2022 en pr
Oftalmološki implantanti – Oftalmološka viskoznokirurška sredstva (ISO 15798:2022; EN ISO 15798:2022)
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2022; EN ISO 15798:2022)

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

HRN EN 81-22:2022 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za prijevoz osoba i tereta – 22. dio: Osobna kosa dizala i osobna teretna kosa dizala (EN 81-22:2021)
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 22: Passenger and goods passenger lifts with inclined travel path (EN 81-22:2021)

HZN/TO 196, Prirodni kamen

HRN EN 12372:2022 en pr
Metode ispitivanja prirodnoga kamena – Određivanje čvrstoće pri savijanju pod koncentriranim opterećenjem (EN 12372:2022)
Natural stone test methods – Determination of flexural strength under concentrated load (EN 12372:2022)

HZN/TO 215, Zdravstvena informatika

HRN EN ISO 13972:2022 en pr
Zdravstvena informatika – Klinički informacijski modeli – Značajke, strukture i zahtjevi (ISO 13972:2022; EN ISO 13972:2022)
Health informatics – Clinical information models – Characteristics, structures and requirements (ISO 13972:2022; EN ISO 13972:2022)

HZN/TO 502, Plinski uređaji

HRN EN 16830:2022 en pr
Sigurnosni i regulacijski uređaji za plamenike i uređaje na plinska ili tekuća goriva – Regulacijske funkcije u elektroničkim sustavima – Funkcija regulacije temperature (EN 16830:2022)
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Temperature Control function (EN 16830:2022)

HRN EN 17476:2022 en pr
Specifikacije za aparate na ukapljeni naftni plin – Aparati na UNP paru pod tlakom koji sadrže vodoravni plinski spremnik u kućištu (EN 17476:2021+A1:2022)
Specifications for dedicated liquefied petroleum gas appliances – LPG vapour pressure appliances incorporating a horizontal cartridge in the chassis (EN 17476:2021+A1:2022)

HZN/TO 503, Metalni materijali

HRN EN ISO 683-3:2022 en pr
Toplinski obradivi čelici, legirani čelici i čelici za obradu na automatima – 3. dio: Čelici za cementiranje (ISO 683-3:2022; EN ISO 683-3:2022)
Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels (ISO 683-3:2022; EN ISO 683-3:2022)

HRN EN 10202:2022 en pr
Hladno valjani proizvodi za pakiranje – Elektrolitski pokositreni čelik i čelici s elektrolitskom prevlakom kroma/kromova oksida (EN 10202:2022)
Cold reduced tinmill products – Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel (EN 10202:2022)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 9220:2022 en pr
Metalne prevlake – Mjerenje debljine prevlake – Metoda skenirajuće elektronske mikroskopije (ISO 9220:2022; EN ISO 9220:2022)
Metallic coatings – Measurement of coating thickness – Scanning electron microscope method (ISO 9220:2022; EN ISO 9220:2022)

HRN EN ISO 10270:2022 en pr
Korozija metala i legura – Ispitivanje korozije cirkonijevih legura u vodi za uporabu u nuklearnim reaktorima (ISO 10270:2022; EN ISO 10270:2022)
Corrosion of metals and alloys – Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors (ISO 10270:2022; EN ISO 10270:2022)

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

HRN EN ISO 19901-10:2022 en pr
Industrija nafte i prirodnog plina – Posebni zahtjevi za odobalne konstrukcije – 10. dio: Geofizička istraživanja podmorja (ISO 19901-10:2021; EN ISO 19901-10:2022)
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 10: Marine geophysical investigations (ISO 19901-10:2021; EN ISO 19901-10:2022)

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 772:2022 en pr
Hidrometrija – Terminološki rječnik i simboli (ISO 772:2022; EN ISO 772:2022)
Hydrometry – Vocabulary and symbols (ISO 772:2022; EN ISO 772:2022)

HZN/TO 524, Inteligentni transportni sustavi

HRS CEN/TS 16157-10:2022 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 10. dio: Objave informacija o energetskej infrastrukturi (CEN/TS 16157-10:2022)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 10: Energy infrastructure publications (CEN/TS 16157-10:2022)

HRS CEN ISO/TS 19468:2022 en pr
Inteligentni transportni sustavi – Podatkovno sučelje između centara za prijenos informacija i upravljačkog sustava – Specifikacije modela neovisne o platformi za protokole razmjene podataka u sustavima prometnog informiranja i nadzora (ISO/TS 19468:2022; CEN ISO/TS 19468:2022)
Intelligent transport systems – Data interfaces between centres for transport information and control systems – Platform-independent model specifications for data exchange protocols for transport information and control systems (ISO/TS 19468:2022; CEN ISO/TS 19468:2022)

HZN/TO 528, Oprema za željeznice

HRN EN 15427-1-1:2022 en pr
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Dio 1-1: Oprema i primjena – Podmazivanje vijenca (EN 15427-1-1:2022)
Railway applications – Wheel/Rail friction management – Part 1-1: Equipment and Application – Flange Lubricants (EN 15427-1-1:2022)

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

HRN EN 280-1:2022 en pr
Pokretne podizne radne platforme – 1. dio: Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi (EN 280-1:2022)
Mobile elevating work platforms – Part 1: Design calculations – Stability criteria – Construction – Safety – Examinations and tests (EN 280-1:2022)

HRN EN 280-2:2022 en pr
Pokretne podizne radne platforme – 2. dio: Dodatni zahtjevi za sigurnost uređaja i naprava za podizanje tereta na produživoj nosivoj konstrukciji i radnoj platformi (EN 280-2:2022)
Mobile elevating work platforms – Part 2: Additional safety requirements for load lifting appliances on the extending lifting structure and work platform (EN 280-2:2022)

HZN/TO 531, Plastika i guma

HRN EN ISO 3915:2022 en pr
Plastika – Mjerenje otpornosti vodljive plastike (ISO 3915:2022; EN ISO 3915:2022)
Plastics – Measurement of resistivity of conductive plastics (ISO 3915:2022; EN ISO 3915:2022)

HRN EN ISO 8985:2022 en pr
Plastika – Etilen/vinil-acetatni (EVAC) plastomerni kopolimeri – Određivanje sadržaja vinil-acetata (ISO 8985:2022; EN ISO 8985:2022)
Plastics – Ethylene/vinyl acetate copolymer (EVAC) thermoplastics – Determination of vinyl acetate content (ISO 8985:2022; EN ISO 8985:2022)

HRN EN ISO 15013:2022 en pr
Plastika – Ekstrudirane polipropilenske (PP) ploče – Zahtjevi i metode ispitivanja (ISO 15013:2022; EN ISO 15013:2022)
Plastics – Extruded sheets of polypropylene (PP) – Requirements and test methods (ISO 15013:2022; EN ISO 15013:2022)

HRN EN ISO 15527:2022 en pr
Plastika – Tlačno oblikovane ploče od polietilena (PE-UHMW, PE-HD) – Zahtjevi i metode ispitivanja (ISO 15527:2022; EN ISO 15527:2022)
Plastics – Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) – Requirements and test methods (ISO 15527:2022; EN ISO 15527:2022)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-7:2022 en pr
Bitumsenske mješavine – Metode ispitivanja – 7. dio: Određivanje gustoće uzoraka asfalta gama zrakama (EN 12697-7:2022)
Bituminous mixtures – Test methods – Part 7: Determination of the bulk density of bituminous specimens by gamma rays (EN 12697-7:2022)

HRN EN 12697-15:2022 en pr
Bitumsenske mješavine – Metode ispitivanja – 15. dio: Određivanje osjetljivosti na odvajanje (EN 12697-15:2022)
Bituminous mixtures – Test methods – Part 15: Determination of the segregation sensitivity (EN 12697-15:2022)

HRN EN 12697-49:2022 en pr
Bitumsenske mješavine – Metode ispitivanja – 49. dio: Određivanje trenja nakon poliranja (EN 12697-49:2022)
Bituminous mixtures – Test methods – Part 49: Determination of friction after polishing (EN 12697-49:2022)

HZN/TO 535, Agregati

HRN EN 933-9:2022 en pr
Ispitivanja geometrijskih svojstava agregata – 9. dio: Procjena sitnih čestica – Ispitivanje metilenskim modrilom (EN 933-9:2022)
Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test (EN 933-9:2022)

HRN EN 1097-6:2022 en pr
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 6. dio: Određivanje gustoće i upijanja vode (EN 1097-6:2022)
Tests for mechanical and physical properties of aggregates – Part 6: Determination of particle density and water absorption (EN 1097-6:2022)

HZN/TO 546, Očuvanje kulturne baštine

HRN EN 17488:2022 en pr
Očuvanje kulturne baštine – Postupci za analitičku procjenu radi odabira metoda čišćenja poroznih anorganskih materijala koji se upotrebljavaju u kulturnoj baštini (EN 17488:2021)
Conservation of cultural heritage – Procedure for the analytical evaluation to select cleaning methods for porous inorganic materials used in cultural heritage (EN 17488:2021)

HZN/TO 551, Gradnja

HRN ISO 6707-1:2022 en pr
Zgrade i inženjerske građevine – Terminološki rječnik – 1. dio: Opći nazivi (ISO 6707-1:2020)
Buildings and civil engineering works – Vocabulary – Part 1: General terms (ISO 6707-1:2020)

HRN ISO 8930:2022 en pr
Opća načela pouzdanosti konstrukcija – Terminološki rječnik (ISO 8930:2021)
General principles on reliability for structures – Vocabulary (ISO 8930:2021)

HRN ISO 13824:2022 en pr
Osnove projektiranja konstrukcija – Opća načela ocjenjivanja rizika konstrukcija koje uključuju sustave (ISO 13824:2020)
Bases for design of structures – General principles on risk assessment of systems involving structures (ISO 13824:2020)

HRN EN 17472:2022 en pr
Održivost građevina – Ocjenjivanje održivosti inženjerskih građevina – Metode proračuna (EN 17472:2022)
Sustainability of construction works – Sustainability assessment of civil engineering works – Calculation methods (EN 17472:2022)

HZN/TO 554, Obrada otpadnih voda

HRN EN 16933-1:2022 en pr
Ovodni i kanalizacijski sustavi izvan zgrada – Projektiranje – 1. dio: Načela planiranja (EN 16933-1:2022)
Drain and sewer systems outside buildings – Design – Part 1: Layout principles (EN 16933-1:2022)

HZN/TO 557, Zaštitna odjeća

HRN EN 13138-1:2021/Ispr.1:2022 en pr
Plutajuća pomagala za poduku plivanja – 1. dio: Sigurnosni zahtjevi i metode ispitivanja za plutajuća pomagala koja se oblače (EN 13138-1:2021/AC:2022)
Buoyant aids for swimming instruction – Part 1: Safety requirements and test methods for buoyant aids to be worn (EN 13138-1:2021/AC:2022)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 558:2022 en pr
Industrijski zaporni uređaji – Ugradbene mjere metalnih zapornih uređaja za primjenu u cijevnim sustavima s prirubničkim spojevima – Zaporni uređaji s oznakama PN-a i razreda (EN 558:2022)
Industrial valves – Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems – PN and Class designated valves (EN 558:2022)

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

HRN EN ISO 14246:2022 en pr
Plinske boce – Ventilni boca – Proizvodna ispitivanja i pregledi (ISO 14246:2022; EN ISO 14246:2022)
Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO 14246:2022; EN ISO 14246:2022)

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

HRN ISO 31022:2022 en pr
Upravljanje rizikom – Smjernice za upravljanje pravnim rizikom (ISO 31022:2020)
Risk management – Guidelines for the management of legal risk (ISO 31022:2020)

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

HRN EN 15936:2022 en pr
Tlo, otpad, obrađeni biootpad i mulj – Određivanje ukupnoga organskog ugljika (TOC) suhim spaljivanjem (EN 15936:2022)
Soil, waste, treated biowaste and sludge – Determination of total organic carbon (TOC) by dry combustion (EN 15936:2022)

HRN EN 17503:2022 en pr
Tlo, mulj, obrađeni biootpad i otpad – Određivanje policikličkih aromatskih ugljikovodika (PAH) plinskom kromatografijom (GC) i tekućinskom kromatografijom visoke djelotvornosti (HPLC) (EN 17503:2022)
Soil, sludge, treated biowaste and waste – Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC) (EN 17503:2022)

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

HRN ISO/IEC 20000-1:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 1. dio: Zahtjevi za sustav upravljanja uslugama (ISO/IEC 20000-1:2018)
Information technology – Service management – Part 1: Service management system requirements (ISO/IEC 20000-1:2018)

HRN ISO/IEC 20000-2:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 2. dio: Smjernice za primjenu sustava upravljanja uslugama (ISO/IEC 20000-2:2019)
Information technology – Service management – Part 2: Guidance on the application of service management systems (ISO/IEC 20000-2:2019)

HRN ISO/IEC 20000-2:2022/A1:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 2. dio: Smjernice za primjenu sustava upravljanja uslugama (ISO/IEC 20000-2:2019/Amd 1:2020)
Information technology – Service management – Part 2: Guidance on the application of service management systems (ISO/IEC 20000-2:2019/Amd 1:2020)

HRN ISO/IEC 20000-3:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 3. dio: Smjernice za definiciju opsega i primjenjivosti norme (ISO/IEC 20000-3:2019)
Information technology – Service management – Part 3: Guidance on scope definition and applicability of ISO/IEC 20000-1 (ISO/IEC 20000-3:2019)

HRS ISO/IEC/TS 20000-5:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 5. dio: Smjernice za primjenu ISO/IEC 20000-1 (ISO/IEC/TS 20000-5:2022)
Information technology – Service management – Part 5: Implementation guidance for ISO/IEC 20000-1 (ISO/IEC/TS 20000-5:2022)

HRN ISO/IEC 20000-6:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 6. dio: Zahtjevi za tijela koja provode reviziju i certifikaciju sustava upravljanja uslugama (ISO/IEC 20000-6:2017)
Information technology – Service management – Part 6: Requirements for bodies providing audit and certification of service management systems (ISO/IEC 20000-6:2017)

HRI ISO/IEC/TR 20000-7:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 7. dio: Smjernice za integraciju i korelaciju ISO/IEC 20000-1:2018 s ISO 9001:2015 i ISO/IEC 27001:2013 (ISO/IEC/TR 20000-7:2019)
Information technology – Service management – Part 7: Guidance on the integration and correlation of ISO/IEC 20000-1:2018 to ISO 9001:2015 and ISO/IEC 27001:2013 (ISO/IEC/TR 20000-7:2019)

HRN ISO/IEC 20000-10:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 10. dio: Pojmovi i terminološki rječnik (ISO/IEC 20000-10:2018)
Information technology – Service management – Part 10: Concepts and vocabulary (ISO/IEC 20000-10:2018)

HRS ISO/IEC/TS 20000-11:2022 en pr
Informacijska tehnologija – Upravljanje uslugama – 11. dio: Smjernice o odnosu ISO/IEC 20000-1 i okvira za upravljanje uslugama: ITIL® (ISO/IEC/TS 20000-11:2021)
Information technology – Service management – Part 11: Guidance on the relationship between ISO/IEC 20000-1 and service management frameworks: ITIL® (ISO/IEC/TS 20000-11:2021)

HRN ISO/IEC 38500:2022 en pr
Informacijska tehnologija – Upravljanje IT-jem za organizaciju (ISO/IEC 38500:2015)
Information technology – Governance of IT for the organization (ISO/IEC 38500:2015)

HZN/TO E2, Rotacijski strojevi

HRN EN IEC 60034-18-32:2022 en pr
Rotacijski električni strojevi – Dio 18-32: Procjena funkcionalnosti izolacijskih sustava – Postupci kvalifikacije električne izdržljivosti za oblikovane namote (IEC 60034-18-32:2022; EN IEC 60034-18-32:2022)
Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems (Type II) – Electrical endurance qualification procedures for form-wound windings (IEC 60034-18-32:2022; EN IEC 60034-18-32:2022)

HRN EN IEC 60034-33:2022 en pr
Rotacijski električni strojevi – 33. dio: Sinkroni hidrogenatori, uključujući motor-generatore – Posebni zahtjevi (IEC 60034-33:2022; EN IEC 60034-33:2022)
Rotating electrical machines – Part 33: Synchronous hydrogenerators including motor-generators – Specific requirements (IEC 60034-33:2022; EN IEC 60034-33:2022)

HZN/TO E9, Električna oprema za željeznicu

HRS CLC/TS 50238-2:2022 en pr
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 2. dio: Kompatibilnost s kolosiječnim strujnim krugovima (CLC/TS 50238-2:2020)
Railway applications – Compatibility between rolling stock and train detection systems – Part 2: Compatibility with track circuits (CLC/TS 50238-2:2020)

HRN EN 50318:2019/A1:2022 en pr
Željeznički sustav – Sustavi oduzimača struje – Vrednovanje simulacije dinamičkog međudjelovanja između pantografa i kontaktnog voda (EN 50318:2018/A1:2022)
Railway applications – Current collection systems – Validation of simulation of the dynamic interaction between pantograph and overhead contact line (EN 50318:2018/A1:2022)

HRS CLC/TS 50459-1:2022 en pr
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 1. dio: Opća načela za prikaz ERTMS/ETCS/GSM-R informacija (CLC/TS 50459-1:2021)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information (CLC/TS 50459-1:2021)

HRS CLC/TS 50459-2:2022 en pr
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom – 2. dio: Ergonomski razmještaj GSM-R informacija (CLC/TS 50459-2:2021)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Part 2: Ergonomic arrangements of GSM-R information (CLC/TS 50459-2:2021)

HRS CLC/TS 50459-3:2022 en pr
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – 3. dio: Ergonomski razmještaj informacija koje nisu ECTS (CLC/TS 50459-3:2021)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Part 3: Ergonomic arrangements of non ECTS information (CLC/TS 50459-3:2021)

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

HRN EN IEC 60751:2022 en pr
Industrijski platinasti otpornički termometri i platinasta toplinska osjetila (osjetila temperature) (IEC 60751:2022; EN IEC 60751:2022)
Industrial platinum resistance thermometers and platinum temperature sensors (IEC 60751:2022; EN IEC 60751:2022)

HRN EN IEC 62264-6:2022 en pr
Integracija sustava za vođenje poduzeća – 6. dio: Model usluge za razmjenu poruka (IEC 62264-6:2020; EN IEC 62264-6:2022)
Enterprise-control system integration – Part 6: Messaging service model (IEC 62264-6:2020; EN IEC 62264-6:2022)

HZN/TO E88, Vjetroagregati

HRN EN IEC 61400-50-3:2022 en pr
Sustavi za proizvodnju energije iz vjetra – Dio 50-3: Upotreba optičkih radara postavljenih na trup za mjerenje vjetra (IEC 61400-50-3:2022; EN IEC 61400-50-3:2022)
Wind energy generation systems – Part 50-3: Use of nacelle-mounted lidars for wind measurements (IEC 61400-50-3:2022; EN IEC 61400-50-3:2022)

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

HRN EN 50522:2022 en pr
Uzemljenje električnih postrojenja nazivnih izmjeničnih napona iznad 1 kV (EN 50522:2022)
Earthing of power installations exceeding 1 kV a.c. (EN 50522:2022)

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

HRN EN IEC 63246-2:2022 en pr
Podesive usluge sustava za informiranje i zabavu u vozilu (CCIS) – 2. dio: Zahtjevi (IEC 63246-2:2022; EN IEC 63246-2:2022)
Configurable car infotainment services (CCIS) – Part 2: Requirements (IEC 63246-2:2022; EN IEC 63246-2:2022)

HRN EN IEC 63246-3:2022 en pr
Podesive usluge sustava za informiranje i zabavu u vozilu (CCIS) – 3. dio: Okvir (IEC 63246-3:2022; EN IEC 63246-3:2022)
Configurable car infotainment services (CCIS) – Part 3: Framework (IEC 63246-3:2022; EN IEC 63246-3:2022)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 338-8 V1.1.1:2022 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 8. dio: Omogućavanje DSC radio opreme s mogućnostima daljinskog upravljanja (EN 300 338-8 V1.1.1:2022)
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 8: Enabling DSC radio equipment with remote control capabilities (EN 300 338-8 V1.1.1:2022)

HRN EN 300 674-2-1 V3.1.1:2022 en pr
Telematika cestovnog prijevoza i prometa (TCPP) – Komunikacijska oprema kratkoga dometa (KOKD) za prijenos signala brzinama 500 kbit/s/250 kbit/s, koja radi u pojasu od 5 795 MHz do 5 815 MHz – 2. dio: Harmonizirana norma za pristup radijskom spektru – 1. poddio: Jedinice uz prometnicu (JUP) (EN 300 674-2-1 V3.1.1:2022)
Transport and Traffic Telematics (TTT) – Dedicated Short Range Communication (DSRC) transmission equipment (500 kbit/s / 250 kbit/s) operating in the 5 795 MHz to 5 815 MHz frequency band – Part 2: Harmonised Standard for access to radio spectrum – Sub-part 1: Road Side Units (RSU) (EN 300 674-2-1 V3.1.1:2022)

HRN EN 301 598 V2.2.1:2022 en pr
TV uređaji bijelog prostora (TVWSD) – Sustavi bežičnog pristupa koji rade u pojasu od 470 MHz do 694 MHz TV emitiranja – Harmonizirana norma za pristup radijskom spektru (EN 301 598 V2.2.1:2022)
TV White Space Devices (TVWSD) – Wireless Access Systems operating in the 470 MHz to 694 MHz TV broadcast band – Harmonised Standard for access to radio spectrum (EN 301 598 V2.2.1:2022)

HRN EN 303 363-1 V1.1.1:2022 en pr
Nadzorni radarski senzori u sustavu kontrole zračnoga prometa – Sekundarni nadzorni radar (SSR) – Harmonizirana norma za pristup radijskom spektru – 1. dio: SSR ispitivač (EN 303 363-1 V1.1.1:2022)
Air Traffic Control Surveillance Radar Sensors – Secondary Surveillance Radar (SSR) – Harmonised Standard for access to radio spectrum – Part 1: SSR Interrogator (EN 303 363-1 V1.1.1:2022)

HRN EN 303 722 V1.2.1:2022 en pr
Širokopojasni sustavi za prijenos podataka (WDTS) za radijsku opremu nepokretne mreže koja radi u opsegu od 57 GHz do 71 GHz – Harmonizirana norma za pristup radijskom spektru (EN 303 722 V1.2.1:2022)
Wideband Data Transmission Systems (WDTS) for Fixed Network Radio Equipment operating in the 57 GHz to 71 GHz band – Harmonised Standard for access to radio spectrum (EN 303 722 V1.2.1:2022)

HRN EN 319 132-1 V1.2.1:2022 en pr
Elektronički potpisi i infrastrukture (ESI) – XAdES digitalni potpisi – 1. dio: Gradbeni blokovi i XAdES osnovni potpisi (EN 319 132-1 V1.2.1:2022)
Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Part 1: Building blocks and XAdES baseline signatures (EN 319 132-1 V1.2.1:2022)

HZN/TO Z1, Informacijska tehnologija

HRI CEN/TR 17748-2:2022 en pr
Temeljni korpus znanja za IKT profesiju (ICT BoK) – 2. dio: Korisničke upute i metodologija (CEN/TR 17748-2:2022)
Foundational Body of Knowledge for the ICT Profession (ICT BoK) – Part 2: User Guide and Methodology (CEN/TR 17748-2:2022)

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

HRN EN ISO 788:2022 en pr
Ultramarinški pigmenti (ISO 788:2021; EN ISO 788:2022)
Ultramarine pigments (ISO 788:2021; EN ISO 788:2022)

HRN EN ISO 10365:2022 en pr
Adhezivi – Određenje glavnih modela popuštanja (ISO 10365:2022; EN ISO 10365:2022)
Adhesives – Designation of main failure patterns (ISO 10365:2022; EN ISO 10365:2022)

HRN EN ISO 11339:2022 en pr
Adhezivi – „T“ ispitivanje ljuštenjem savitljivih slijepjenih spojeva (ISO 11339:2022; EN ISO 11339:2022)
Adhesives – T-peel test for flexible-to-flexible bonded assemblies (ISO 11339:2022; EN ISO 11339:2022)

HRN EN 13523-9:2022 en pr
Prevučeni metali u namotajima – Metode ispitivanja – 9. dio: Otpornost na uranjanje u vodu (EN 13523-9:2022)
Coil coated metals – Test methods – Part 9: Resistance to water immersion (EN 13523-9:2022)

HRN EN 13523-25:2022 en pr
Prevučeni metali u namotajima – Metode ispitivanja – 25. dio: Otpornost na vlagu (EN 13523-25:2022)
Coil coated metals – Test methods – Part 25: Resistance to humidity (EN 13523-25:2022)

HRN EN 13523-26:2022 en pr
Prevučeni metali u namotajima – Metode ispitivanja – 26. dio: Otpornost na kondenzaciju vode (EN 13523-26:2022)
Coil coated metals – Test methods – Part 26: Resistance to condensation of water (EN 13523-26:2022)

HRN EN 15457:2022 en pr
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti filma zaštitnog sredstva prevlake protiv gljivica (EN 15457:2022)
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against fungi (EN 15457:2022)

HRN EN 15458:2022 en pr
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti filma zaštitnog sredstva prevlake protiv algi (EN 15458:2022)
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against algae (EN 15458:2022)

HZN/TU I2, Strojstvo 2

HRN EN 14753:2022 en pr
Sigurnost strojeva – Sigurnosni zahtjevi za strojeve i opremu za kontinuirano lijevanje čelika (EN 14753:2022)
Safety of machinery – Safety requirements for machinery and equipment for continuous casting of steel (EN 14753:2022)

HRN EN 15061:2022 en pr
Sigurnost strojeva – Sigurnosni zahtjevi za strojeve i opremu za proizvodne linije za izradu traka (EN 15061:2022)
Safety of machinery – Safety requirements for strip processing line machinery and equipment (EN 15061:2022)

HRN EN 15093:2022 en pr
Sigurnost strojeva – Sigurnosni zahtjevi za valjaonice za vruće valjanje plosnatih proizvoda (EN 15093:2022)
Safety of machinery – Safety requirements for hot flat rolling mills (EN 15093:2022)

HRN EN ISO 23553-1:2022 en pr
Sigurnosni i regulacijski uređaji za uljne plamenike i uređaje za izgaranje ulja – Posebni zahtjevi – 1. dio: Automatski i poluautomatski ventili (ISO 23553-1:2022; EN ISO 23553-1:2022)
Safety and control devices for oil burners and oil-burning appliances – Particular requirements – Part 1: Automatic and semi-automatic valves (ISO 23553-1:2022; EN ISO 23553-1:2022)

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

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

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

HRN EN 2713-012:2022 en pr
Zrakoplovstvo – Kabeli, električni, jednožilni i višežilni za opću upotrebu – Radna temperatura između -55 °C i 200 °C – Dio 012: MNA (jednožilni), MNB (par), MNC (trožilni), MND (četverožilni), porodica kablova – Obloženi posebnim bakrenim žicama (spiralno), za ispis UV laserskim pisačem – Norma za proizvod (EN 2713-012:2022)
Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between -55 °C and 200 °C – Part 012: MNA (1 core), MNB (pair), MNC (3 cores), MND (4 cores), cables family – Silver-plated copper screened (spiral) and jacketed, UV laser printable – Product standard (EN 2713-012:2022)

HRN EN 3475-705:2022 en pr
Zrakoplovstvo – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 705. dio: Mjerenje kontrasta (EN 3475-705:2022)
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 705: Contrast measurement (EN 3475-705:2022)

HRN EN 3830:2022 en pr
Zrakoplovstvo – Električni sustav – Analiza opterećenja (EN 3830:2022)
Aerospace series – Electrical system – Load analysis (EN 3830:2022)

HZN/TU V1, Elektronika 1

HRN EN IEC 60512-99-002:2022 en pr
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 60512-99-002:2022; EN IEC 60512-99-002:2022)
Connectors for electrical and electronic equipment – Tests and measurements – Part 99-002: Endurance test schedules – Test 99b: Test schedule for unrating under electrical load (IEC 60512-99-002:2022; EN IEC 60512-99-002:2022)

HRN EN IEC 60793-2-10:2019/A1:2022 en pr
Optička vlakna – Dio 2-10: Specifikacije proizvoda – Sekcijska specifikacija za vlakna kategorije A1 za višestruki način rada (IEC 60793-2-10:2019/am1:2022; EN IEC 60793-2-10:2019/A1:2022)
Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2019/am1:2022; EN IEC 60793-2-10:2019/A1:2022)

HRN EN IEC 61300-2-46:2019/lsp.1:2022 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-46: Ispitivanja – Ispitivanje ciklusima vlage i topline (IEC 61300-2-46:2019/Corr.1:2022; EN IEC 61300-2-46:2019/AC:2022)
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-46: Tests – Damp heat, cyclic (IEC 61300-2-46:2019/Corr.1:2022; EN IEC 61300-2-46:2019/AC:2022)

HRN EN IEC 61300-3-33:2022 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 3-33: Ispitivanja i mjerenja – Sila povlačenja iz elastične čahure za poravnanje uz primjenu ispitnih klinova (IEC 61300-3-33:2022; EN IEC 61300-3-33:2022)
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges (IEC 61300-3-33:2022; EN IEC 61300-3-33:2022)

HRN EN IEC 61587-1:2022 en pr
Mehaničke konstrukcije za električnu i elektroničku opremu – Ispitivanja prema normama niza IEC 60917 i IEC 60297 – 1. dio: Zahtjevi okoline, organizacija ispitivanja i sigurnosni aspekti (IEC 61587-1:2022; EN IEC 61587-1:2022)
Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 1: Environmental requirements, test setups and safety aspects (IEC 61587-1:2022; EN IEC 61587-1:2022)

HRN EN IEC 62093:2022 en pr
Oprema za pretvorbu električne energije fotonaponskih sustava – Kvalifikacija dizajna i odobrenje tipa (IEC 62093:2022; EN IEC 62093:2022)
Photovoltaic system power conversion equipment – Design qualification and type approval (IEC 62093:2022; EN IEC 62093:2022)

HRN EN IEC 62150-6:2022 en pr
Aktivne svjetlovodne komponente i uređaji – Postupci ispitivanja i mjerenja – 6. dio: Univerzalne ploče za proširenje (mezzanine boards) za ispitivanje i mjerenje fotonskih uređaja (IEC 62150-6:2022; EN IEC 62150-6:2022)
Fibre optic active components and devices – Test and measurement procedures – Part 6: Universal mezzanine boards for test and measurement of photonic devices (IEC 62150-6:2022; EN IEC 62150-6:2022)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN IEC 60704-2-18:2022 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-18: Posebni zahtjevi za električne grijalice vode (IEC 60704-2-18:2022; EN IEC 60704-2-18:2022)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-18: Particular requirements for electric water heaters (IEC 60704-2-18:2022; EN IEC 60704-2-18:2022)

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 8, Brodogradnja

prEN 1502 en
Inland navigation vessels – Boarding stairs
Plovni objekti unutarnje plovidbe – Ukrcajne ljestve

prEN ISO 12216 en
Small craft – Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements (ISO 12216:2020)
Mala plovila – Prozori, okna, grotlašca, vidnici i vrata – Zahtjevi za čvrstoću i vodonepropusnost (ISO 12216:2020)

EN ISO 12216/prA1 en
Small craft – Windows, portlights, hatches, deadlights and doors – Strength and watertightness requirements (ISO 12216:2020/DAMd 1:2022)
Mala plovila – Prozori, okna, grotlašca, vidnici i vrata – Zahtjevi za čvrstoću i vodonepropusnost (ISO 12216:2020/DAMd 1:2022)

EN ISO 13297:2021/prA1 en
Small craft – Electrical systems – Alternating and direct current installations (ISO 13297:2020/DAMd 1:2022)
Mala plovila – Električni sustavi – Instalacije za izmjeničnu i istosmjernu struju (ISO 13297:2020/DAMd 1:2022)

EN ISO 15083:2020/prA1 en
Small craft – Bilge-pumping systems (ISO 15083:2020/DAMd 1:2022)
Mala plovila – Sustavi za pražnjenje kaljuže (ISO 15083:2020/DAMd 1:2022)

prEN 17361 en
Inland navigation vessels – Outboard ladders
Plovni objekti unutarnje plovidbe – Vanjske skidive ljestve

EN ISO 25197:2020/prA1 en
Small craft – Electrical/electronic control systems for steering, shift and throttle (ISO 25197:2020/DAMd 1:2022)
Mala plovila – Električni/elektronički upravljački sustavi za kormilarenje, ukapčanje spojke i regulator brzine vrtnje (ISO 25197:2020/DAMd 1:2022)

HZN/TO 22, Cestovna vozila

ISO 2575:2021 en
Road vehicles – Symbols for controls, indicators and tell-tales
Cestovna vozila – Simboli za upravljačke naprave, indikatore i pokazne svjetiljke

ISO 4000-1:2021 en
Passenger car tyres and rims – Part 1: Tyres (metric series)
Gume i naplatci za osobne automobile – 1. dio: Gume (milimetarski nizovi)

ISO 4138:2021 en
Passenger cars – Steady-state circular driving behaviour – Open-loop test methods
Osobni automobili – Ponašanje pri ustaljenoj kružnoj vožnji – Metode ispitivanja otvorenom petljom

ISO 5775-2:2021 en
Bicycle tyres and rims – Part 2: Rims
Gume i naplatci za bicikle – 2. dio: Naplatci

ISO 6460-1:2022 en
Motorcycles – Measurement method for gaseous exhaust emissions and fuel consumption – Part 1: General test requirements
Motocikli – Metoda mjerenja emisija ispušnih plinova i potrošnje goriva – 1. dio: Opći ispitni zahtjevi

ISO 6469-3:2021 en
Electrically propelled road vehicles – Safety specifications – Part 3: Electrical safety
Cestovna vozila na električni pogon – Sigurnosne specifikacije – 3. dio: Električna sigurnost

ISO 7876-5:2021 en
Fuel injection equipment – Vocabulary – Part 5: Common rail fuel injection system
Oprema za ubrizgavanje goriva – Terminološki rječnik – 5. dio: Sustav ubrizgavanja goriva sa zajedničkim spremnikom (common-rail)

ISO 10191:2021 en
Passenger car tyres – Verifying tyre capabilities – Laboratory test methods
Gume za osobne automobile – Provjera svojstava guma – Laboratorijske metode ispitivanja

ISO 11795:2018/AMD 1:2022 en
Agricultural tractor drive wheel tyres – Explanation of rolling circumference index (RCI) and speed radius index (SRI) and method of measuring tyre rolling circumference
Gume za pogonske kotače poljoprivrednih traktora – Objašnjenje indeksa opsega kotrljanja (RCI) i indeksa radijusa brzine i metoda mjerenja opsega kotrljanja gume

ISO 11992-3:2021 en
Road vehicles – Interchange of digital information on electrical connections between towing and towed vehicles – Part 3: Application layer for equipment other than brakes and running gear
Cestovna vozila – Razmjena digitalnih podataka na električnim spojevima između vučnih i vučenih vozila – 3. dio: Sloj primjene za opremu koja ne pripada kočnicama i podvozju

ISO 12345:2021 en
Diesel engines – Cleanliness assessment of fuel injection equipment
Dizelski motori – Ocjena čistoće opreme za ubrizgavanje goriva

ISO 14229-2:2021 en
Road vehicles – Unified diagnostic services (UDS) – Part 2: Session layer services
Cestovna vozila – Jedinственe dijagnostičke usluge (UDS) – 2. dio: Usluge sloja povezivanja (sesije)

ISO 16844-1:2022 en
Road vehicles – Tachograph systems – Part 1: Electromechanical components
Cestovna vozila – Tahografski sustavi – 1. dio: Elektromehanički sastavni dijelovi

prEN ISO 18246 en
Electrically propelled mopeds and motorcycles – Safety requirements for conductive connection to an external electric power supply (ISO/DIS 18246:2022)
Mopedi i motocikli na električni pogon – Sigurnosni zahtjevi za vodljivi priključak na vanjsko električno napajanje (ISO/DIS 18246:2022)

ISO/DIS 19438 en
Diesel fuel and petrol filters for internal combustion engines – Filtration efficiency using particle counting and contaminant retention capacity
Filtri dizelskoga goriva i benzina za motore s unutarnjim izgaranjem – Određivanje učinkovitosti pročišćivanja brojem čestica i sposobnošću zadržavanja nečistoća

ISO 23671:2021 en
Passenger car tyres – Method for measuring relative wet grip performance – Loaded new tyres
Gume za osobne automobile – Metoda mjerenja relativne značajke prijanjanja na mokroj podlozi – Nove gume pod opterećenjem

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

prEN 17822 en
Forestry machinery – Requirements for sling gear and deflection pulleys for forestal hauling operations
Šumarska mehanizacija – Zahtjevi za kuke i čvrste koloture za izvlačenje trupaca

prEN ISO 18497-1 en
Agricultural machinery and tractors – Safety of partially automated, semi-autonomous and autonomous machinery – Part 1: Machine design principles and vocabulary (ISO/DIS 18497-1:2022)
Poljoprivredna mehanizacija i traktori – Sigurnost djelomično automatiziranih, poluautonomnih i autonomnih strojeva – 1. dio: Načela dizajna strojeva i terminološki rječnik (ISO/DIS 18497-1:2022)

HZN/TO 28, *Naftni proizvodi i maziva*

EN ISO 13736:2021/prA1 en
Determination of flash point – Abel closed-cup method – Amendment 1: bias statement update (ISO 13736:2021/DAMd 1:2022)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

prEN ISO 17715 en
Flour from wheat (*Triticum aestivum* L.) – Amperometric method for starch damage measurement (ISO/DIS 17715:2022)
Pšenično brašno (*Triticum aestivum* L.) – Amperometrijska metoda mjerenja oštećenja škroba (ISO/DIS 17715:2022)

prEN ISO 27971 en
Cereals and cereal products – Common wheat (*Triticum aestivum* L.) – Determination of alveograph properties of dough at constant hydration from commercial or test flours and test milling methodology (ISO/DIS 27971:2022)
Žitarice i proizvodi od žitarica – Krušna pšenica (*Triticum aestivum* L.) – Određivanje alveografskih svojstava tijesta komercijalnih ili ispitnih brašna uz konstantno vlaženje i postupak laboratorijskog mljevenja (ISO/DIS 27971:2022)

HZN/TO 37, *Terminologija*

ISO 1087:2019 en
Terminology work and terminology science – Vocabulary
Terminološki rad i nazivoslovlje – Terminološki rječnik

ISO 12616-1:2021 en
Terminology work in support of multilingual communication – Part 1: Fundamentals of translation-oriented terminography
Terminološki rad kao podrška višezjezičnoj komunikaciji – 1. dio: Osnove terminografije usmjerene na prevođenje

ISO 20539:2019 en
Translation, interpreting and related technology – Vocabulary
Pismeno i usmeno prevođenje i povezane tehnologije – Terminološki rječnik

ISO 23155:2022 en
Interpreting services – Conference interpreting – Requirements and recommendations
Usluge usmenog prevođenja – Konferencijsko prevođenje – Zahtjevi i preporuke

ISO 24613-2:2020 en
Language resource management – Lexical markup framework (LMF) – Part 2: Machine-readable dictionary (MRD) model
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 2. dio: Model strojno čitljivog rječnika (MRD)

ISO 24613-3:2021 en
Language resource management – Lexical markup framework (LMF) – Part 3: Etymological extension
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 3. dio: Proširenje elementima koji opisuju etimologiju

ISO 24613-4:2021 en
Language resource management – Lexical markup framework (LMF) – Part 4: TEI serialization
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 4. dio: Serijalizacija modela sukladnog sa Smjernicama Inicijative za kodiranje teksta (TEI)

ISO 24613-5:2022 en
Language resource management – Lexical markup framework (LMF) – Part 5: Lexical base exchange (LBX) serialization
Upravljanje jezičnim resursima – Okvir leksičkog obilježavanja (LMF) – 5. dio: Serijalizacija razmjene leksičkih baza

HZN/TO 43, Akustika

- prEN 12354-5 en
Building acoustics – Estimation of acoustic performance of building from the performance of elements – Part 5: Sounds levels due to the service equipment
Akustika u zgradarstvu – Procjena akustičkih svojstva zgrada iz svojstava elemenata – 5. dio: Razine zvuka servisne opreme
- prEN 14366-1 en
Laboratory measurement of airborne and structure-borne sound from service equipment – Part 1: Application rules for waste water installations
Laboratorijsko mjerenje zračnog i strukturnog zvuka servisnih uređaja – 1. dio: Pravila primjene za odvodne instalacije
- prEN 17823 en
Acoustic properties of building elements and of buildings – Laboratory measurement of the impact sound insulation of stairs and stair isolating elements
Akustička svojstva dijelova zgrade i zgrada – Laboratorijsko mjerenje udarne zvučne izolacije stubišta i izolacijskih elemenata stubišta

HZN/TO 44, Zavarivanje i srodni postupci

- prEN ISO 15614-5 en
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 5: Arc welding of titanium, zirconium and their alloys (ISO/DIS 15614-5:2022)
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 5. dio: Elektrolučno zavarivanje titanija, cirkonija i njihovih legura (ISO/DIS 15614-5:2022)
- prEN 17832 en
Thermal spraying – Determination of the feed rate with spray material in powder form in a production environment
Toplinsko naštrecavanje – Određivanje brzine dodavanja materijala za naštrecavanje u obliku praha u proizvodnom okruženju

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

- ISO 690:2021 en
Information and documentation – Guidelines for bibliographic references and citations to information resources
Informacije i dokumentacija – Smjernice za bibliografske bilješke i navode u izvorima informacija
- ISO 10957:2021 en
Information and documentation – International standard music number (ISMN)
Informacije i dokumentacija – Međunarodni standardni broj notirane glazbe (ISMN)
- ISO 15924:2022 en
Information and documentation – Codes for the representation of names of scripts
Informacije i dokumentacija – Kodovi za prikazivanja naziva pisama
- ISO 18626:2021 en
Information and documentation – Interlibrary loan transactions
Informacije i dokumentacija – Transakcije u međuknjižničnoj posudbi
- ISO 21248:2019 en
Information and documentation – Quality assessment for national libraries
Informacije i dokumentacija – Ocjena kvalitete za nacionalne knjižnice
- ISO 23081-2:2021 en
Information and documentation – Metadata for managing records – Part 2: Conceptual and implementation issues
Informacije i dokumentacija – Metapodaci za upravljanje zapisima – 2. dio: Načelna i implementacijska pitanja

HZN/TO 120, Koža i obuća

- prEN ISO 2418 en
Leather – Chemical, physical, mechanical and fastness tests – Position and preparation of specimens for testing (ISO/DIS 2418:2022)

- prEN ISO 7906 en
Leather – Tests for colour fastness – General principles of testing (ISO/DIS 7906:2022)

- prEN ISO 19076 en
Leather – Measurement of leather surface – Electronic techniques (ISO/DIS 19076:2022)

HZN/TO 121, Anestetička i respiracijska oprema

- prEN ISO 80601-2-84 en
Medical electrical equipment – Part 2-84: Particular requirements for the basic safety and essential performance of ventilators for the emergency medical services environment (ISO/DIS 80601-2-84:2022)
Medicinska električna oprema – Dio 2-84: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke respiratora za hitnu medicinsku skrb (ISO/DIS 80601-2-84:2022)

HZN/TO 130, Grafička tehnologija

- ISO 14298:2021 en
Graphic technology – Management of security printing processes
Grafička tehnologija – Upravljanje procesima zaštitnog tiska

HZN/TO 134, Gnojiva i poboljšivači tla

- prEN 17816 en
Liming materials – Determination of physical and chemical properties and specific contaminants
Tvari za kalcifikaciju – Određivanje fizikalnih i kemijskih svojstava i specifičnih kontaminanata
- prEN 17817 en
Fertilizing products – Determination of the quantity (indicated by mass or volume)
Gnojidbeni proizvodi – Određivanje količine (određene masom ili volumenom)

HZN/TO 136, Namještaj

- prEN 1022 en
Furniture – Seating – Determination of stability
Namještaj – Namještaj za sjedenje – Određivanje stabilnosti

HZN/TO 147, Kvaliteta vode

- prEN ISO 13164-4 en
Water quality – Radon-222 – Part 4: Test method using two-phase liquid scintillation counting (ISO/DIS 13164-4:2022)
Kvaliteta vode – Radon-222 – 4. dio: Metoda ispitivanja s upotrebom dvofazne tekućinske scintilacije (ISO/DIS 13164-4:2022)
- EN 17075:2018/prA1 en
Water quality – General requirements and performance test procedures for water monitoring equipment – Continuous measuring devices
Kvaliteta vode – Opći zahtjevi i postupci ispitivanja svojstava opreme za praćenje stanja vode – Uređaji za kontinuirano mjerenje
- prEN ISO 17294-2 en
Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 2: Determination of selected elements including uranium isotopes (ISO/DIS 17294-2:2022)
Kvaliteta vode – Primjena spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) – 2. dio: Određivanje odabranih elemenata uključujući uranijeve izotope (ISO/DIS 17294-2:2022)

HZN/TO 172, Optika i optički instrumenti

- prEN ISO 12870 en
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO/DIS 12870:2022)
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO/DIS 12870:2022)

HZN/TO 181, Sigurnost igračkaka i proizvodi za djecu

- prEN 12221 en
Child care articles – Changing units and changing pads for domestic use – Safety requirements and test methods
- prEN 17826 en
Child care articles – Chemical hazards – Requirements and test methods

HZN/TO 211, Geoinformacije/Geomatika

prEN ISO 19115-3 en
Geographic information – Metadata – Part 3: XML schema implementation for fundamental concepts (ISO/DIS 19115-3:2022)

prEN ISO 19123-1 en
Geographic information – Schema for coverage geometry and functions – Part 1: Fundamentals (ISO/DIS 13123-1:2022)

prEN ISO 19157-1 en
Geographic information – Data quality – Part 1: General requirements (ISO/DIS 19157-1:2022)

HZN/TO 238, Čvrsta biogoriva

prEN ISO 5370 en
Solid biofuels – Determination of fines content in pellets (ISO/DIS 5370:2022)

HZN/TO 502, Plinski uređaji

prEN 30-2-1 en
Domestic cooking appliances burning gas – Part 2-1: Rational use of energy – General
Plinski uređaji za kuhanje za kućanstva – 2-1. dio: Racionalno korištenje energije – Općenito

prEN 484 en
Specification for dedicated liquefied petroleum gas appliances – Independent stoves, including those incorporating a grill for outdoor use
Specifikacija za uređaje na ukapljeni naftni plin – Samostalni uređaji za kuhanje, uključujući one s roštiljem, za primjenu na otvorenom

HZN/TO 503, Metalni materijali

prEN ISO 1179-2 en
Connections for general use and fluid power – Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing – Part 2: Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E) (ISO/DIS 1179-2:2022)
Priključci za opću upotrebu i namjenu u hidraulici – Navojni otvori i navojni čepovi s navojima ISO 228-1 s elastomernim brtvljenjem ili brtvljenjem metal na metal – 2. dio: Navojni čepovi za teške uvjete rada (S niz) i lake uvjete rada (L niz) s elastomernim brtvljenjem (tip E) (ISO/DIS 1179-2:2022)

prEN 1396 en
Aluminium and aluminium alloys – Coil coated sheet and strip for general applications – Specifications
Aluminij i aluminijeve legure – Limovi i trake u kolutu zaštićeni prevlakom za opće namjene – Specifikacije

prEN ISO 6149-1 en
Connections for hydraulic fluid power and general use – Ports and stud ends with ISO 261 metric threads and O-ring sealing – Part 1: Ports with truncated housing for O-ring seal (ISO/FDIS 6149-1:2022)
Priključci za hidraulične tekućine za prijenos snage i opću namjenu – Navojni otvori i čepovi s ISO 261 metričkim navojima i brtvljenjem pomoću O-prstena – 1. dio: Navojni otvori sa skraćenim ležištem za O-prsten (ISO/FDIS 6149-1:2022)

prEN 10248-1 en
Hot-rolled steel sheet piles – Part 1: Technical delivery conditions
Toplo valjano žmurje od čelika – 1. dio: Tehnički uvjeti isporuke

prEN 10249-1 en
Cold formed steel sheet piles – Part 1: Technical delivery conditions
Hladno oblikovano žmurje od čelika – 1. dio: Tehnički uvjeti isporuke

prEN 10278 en
Dimensions and tolerances of bright stainless and other cold drawn steel products
Dimenzije i dopuštena odstupanja svijetlo vučenih nehrđajućih i drugih hladno vučenih čeličnih proizvoda

prEN 12449 en
Copper and copper alloys – Seamless, round tubes for general purposes
Bakar i legure bakra – Bešavne okrugle cijevi za opću namjenu

prEN ISO 14556 en
Metallic materials – Charpy V-notch pendulum impact test – Instrumented test method (ISO/DIS 14556:2022)
Metalni materijali – Ispitivanje udarnog rada loma Charpyjevim batom (V-zarez) – Instrumentirana metoda ispitivanja (ISO/DIS 14556:2022)

HZN/TO 504, Korozija i zaštita metala i legura

prEN ISO 16539 en
Corrosion of metals and alloys – Accelerated cyclic corrosion tests with exposure to synthetic ocean water salt-deposition process – “Dry” and “wet” conditions at constant absolute humidity (ISO 16539:2013)
Korozija metala i legura – Ubrzana ciklička korozijska ispitivanja uz izlaganje procesu taloženja soli u sintetskoj morskoj vodi – „Suhi” i „vlažni” uvjeti pri konstantnoj apsolutnoj vlazi (ISO 16539:2013)

prEN ISO 21207 en
Corrosion tests in artificial atmospheres – Accelerated corrosion tests involving alternate exposure to corrosion-promoting gases, neutral salt-spray and drying (ISO 21207:2015)
Korozijska ispitivanja u umjetnoj atmosferi – Ubrzana korozijska ispitivanja koja uključuju naizmjenično izlaganje plinovima koji potiču koroziju, prskanju neutralnom slanom otopinom i sušenju (ISO 21207:2015)

prEN ISO 22479 en
Corrosion of metals and alloys – Sulfur dioxide test in a humid atmosphere (fixed gas method) (ISO 22479:2019)
Korozija metala i legura – Ispitivanje sumpornim dioksidom u vlažnoj atmosferi (metoda s fiksnim obujmom plina) (ISO 22479:2019)

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

prEN ISO 19905-1 en
Petroleum and natural gas industries – Site-specific assessment of mobile offshore units – Part 1: Jack-ups (ISO/DIS 19905-1:2022)
Industrija nafte i prirodnoga plina – Procjena specifičnosti lokacije za pokretne odobalne jedinice – 1. dio: Samopodizne platforme (ISO/DIS 19905-1:2022)

prEN ISO 19905-3 en
Petroleum and natural gas industries – Site-specific assessment of mobile offshore units – Part 3: Floating units (ISO 19905-3:2021)
Industrija nafte i prirodnoga plina – Procjena specifičnosti lokacije za pokretne odobalne jedinice – 3. dio: Plutajuća jedinica (ISO 19905-3:2021)

HZN/TO 508, Ambalaža i pakiranje

prEN 17827 en
Glass containers – Traditional method sparkling wine finishes (26, 29, 36 mm)

HZN/TO 513, Mjerne jedinice i mjerila

prEN ISO 80000-1 en
Quantities and units – Part 1: General (ISO/DIS 80000-1:2022)
Veličine i jedinice – 1. dio: Općenito (ISO/DIS 80000-1:2022)

HZN/TO 516, Usluge prijevoza

prEN ISO 14083 en
Greenhouse gases – Quantification and reporting of greenhouse gas emissions arising from transport chain operations (ISO/DIS 14083:2022)

HZN/TO 517, Posebne vrste konstrukcija

prEN 13374 en
Temporary edge protection systems – Product specification – Test methods
Privremene ograde – Specifikacija proizvoda – Metode ispitivanja

HZN/TO 524, Inteligentni transportni sustavi

prEN 12896-10 en
Public transport – Reference data model – Part 10: Alternative Modes

prEN ISO 14823-1 en
Intelligent transport systems – Graphic data dictionary – Part 1: Specification (ISO/DIS 14823-1:2022)

HZN/TO 526, Bitumenska veziva

- prEN 14769 en
Bitumen and bituminous binders – Accelerated long-term ageing conditioning by a Pressure Ageing Vessel (PAV)
Bitumen i bitumenska veziva – Postupak oponašanja ubrzanoga dugotrajnog starenja uporabom tlačne komore (PAV)
- prEN 14770 en
Bitumen and bituminous binders – Determination of complex shear modulus and phase angle – Dynamic Shear Rheometer (DSR)
Bitumen i bitumenska veziva – Određivanje kompleksnoga posmičnog modula i faznoga kuta – Reometar s dinamičkim smicanjem (DSR)
- prEN 14771 en
Bitumen and bituminous binders – Determination of the flexural creep stiffness – Bending Beam Rheometer (BBR)
Bitumen i bitumenska veziva – Određivanje krutosti puzanja pri savijanju – Reometar za ispitivanje uzorka savijanjem (BBR)

HZN/TO 528, Oprema za željeznice

- prEN 16272-1 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 1: Intrinsic characteristics – Sound absorption in the laboratory under diffuse sound field conditions
- prEN 16272-2 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 2: Intrinsic characteristics – Airborne sound insulation in the laboratory under diffuse sound field conditions
- prEN 16272-3-1 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 3-1: Intrinsic characteristics – Normalized railway noise spectrum and single number ratings for diffuse sound field applications
- prEN 16272-3-2 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 3-2: Normalized railway noise spectrum and single number ratings for direct field applications
- prEN 16272-5 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 5: Intrinsic characteristics – Sound absorption under direct sound field conditions
- prEN 16272-6 en
Railway applications – Infrastructure – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions
- prEN 17343 en
Railway applications – General terms and definitions
Željeznički sustav – Opći nazivi i definicije
- prEN 17824 en
Railway applications – Ground based services – Exhaust treatment fluid (AUS 32) refilling equipment
- prEN 45545-4 en
Railway applications – Fire protection on railway vehicles – Part 4: Fire safety requirements for rolling stock design
Željeznički sustav – Zaštita od požara na željezničkim vozilima – 4. dio: Požarni sigurnosni zahtjevi za projektiranje željezničkih vozila

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

- prEN ISO 7622-2 en
Steel cord conveyor belts – Longitudinal traction test – Part 2: Measurement of tensile strength (ISO/FDIS 7622-2:2022)
Transportne trake s čeličnom užadi – Ispitivanje uzdužnim zatezanjem – Mjerenje prekidne čvrstoće (ISO/FDIS 7622-2:2022)
- prEN 13411-3 en
Terminations for steel wire ropes – Safety – Part 3: Ferrules and ferrule-securing
Završetci čeličnih užadi – Sigurnost – 3. dio: Omče s uprešanim stezaljkama

HZN/TO 531, Plastika i guma

- prEN ISO 1133-1 en
Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: Standard method (ISO/FDIS 1133-1:2022)
Plastika – Određivanje brzine masenog protoka taline (MFR) i volumne brzine taline (MVR) plastomera – 1. dio: Standardna metoda (ISO/FDIS 1133-1:2022)
- prEN ISO 5774 en
Plastics hoses – Textile-reinforced types for compressed-air applications - Specification (ISO/DIS 5774:2022)
Plastična crijeva – Tekstilom ojačani tipovi za upotrebu pri djelovanju stlačenog zraka – Specifikacija (ISO/DIS 5774:2022)
- prEN ISO 11357-1 en
Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles (ISO/DIS 11357-1:2022)
Plastika – Diferencijalna pretražna kalorimetrija (DSC) – 1. dio: Opća načela (ISO/DIS 11357-1:2022)

HZN/TO 533, Kolničke konstrukcije

- prEN 12697-4 en
Bituminous mixtures – Test methods – Part 4: Bitumen recovery: Fractionating column
Bitumenske mješavine – Metode ispitivanja – 4. dio: Izdvajanje bitumena: frakcijska kolona
- EN 12697-26:2018/prA1 en
Bituminous mixtures – Test methods – Part 26: Stiffness
Bitumenske mješavine – Metode ispitivanja – 26. dio: Krutost
- EN 12697-33:2019/prA1 en
Bituminous mixtures – Test method – Part 33: Specimen prepared by roller compactor
Bitumenske mješavine – Metoda ispitivanja – 33. dio: Priprema asfaltnog uzorka valjkastim zbijanjem

HZN/TO 534, Spremnici za teret

- prEN 14620-1 en
Design and manufacture of site built, vertical, cylindrical, flat-bottomed tank systems for the storage of refrigerated, liquefied gases with operating temperatures between 0 °C and -196 °C – Part 1: General

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

- prEN 12046-2 en
Operating forces – Test method – Part 2: Doors
Sile otvaranja i zatvaranja – Metoda ispitivanja – 2. dio: Vrata
- prEN 13049 en
Windows – Soft and heavy body impact – Test method, safety requirements and classification
Prozori – Udar mekoga teškog tijela – Metoda ispitivanja, zahtjevi za sigurnost i razredba
- prEN 13123-1 en
Windows, doors, shutters and curtain walling – Explosion resistance – Requirements and classification – Part 1: Shock tube
Prozori, vrata, zasloni i ovješene fasade – Otpornost na eksploziju – Zahtjevi i razredba – 1. dio: Cijev za ispitivanje udarnim valom
- prEN 13124-1 en
Windows, doors, shutters and curtain walling – Explosion resistance – Test method – Part 1: Shock tube
Prozori, vrata, zasloni i ovješene fasade – Otpornost na eksploziju – Metoda ispitivanja – 1. dio: Cijev za ispitivanje udarnim valom

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

prEN 15316-4-2 en

Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-2: Space heating generation systems, heat pump systems, Module M3-8-2, M8-8-2
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-2: Sustavi proizvodnje topline za grijanje prostora, dizalice topline, Moduli M3-8-2, M8-8-2

prEN 15316-5 en

Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 5: Space heating and DHW storage systems (not cooling), Module M3-7, M8-7
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – 5. dio: Sustavi za akumulaciju topline pri grijanju prostora i pripremi potrošne tople vode (bez hlađenja), M3-7, M8-7

HZN/TO 543, Poštanske usluge

prEN ISO 19160-4 en

Addressing – Part 4: International postal address components and template language (ISO/DIS 19160-4:2022)
Adresiranje – 4. dio: Sastavnice i jezični predlošci za međunarodne poštanske adrese (ISO/DIS 19160-4:2022)

HZN/TO 544, Strojni elementi

prEN ISO 2702 en

Fasteners – Heat-treated tapping screws – Mechanical and physical properties (ISO/DIS 2702:2022)
Spojni elementi – Toplinski obrađeni čelični vijci za lim – Mehanička i fizikalna svojstva (ISO/DIS 2702:2022)

prEN ISO 3506-6 en

Fasteners – Mechanical properties of corrosion-resistant stainless steel fasteners – Part 6: General rules for the selection of stainless steels and nickel alloys for fasteners (ISO 3506-6:2020)
Spojni elementi – Mehanička svojstva spojnih elemenata izrađenih od nehrđajućih čelika – 6. dio: Opća pravila za odabir nehrđajućih čelika i legura nikla za spojne elemente (ISO 3506-6:2020)

HZN/TO 546, Očuvanje kulturne baštine

prEN 17820 en

Conservation of Cultural Heritage – Specifications for the management of moveable cultural heritage collections

HZN/TO 548, Konstrukcijski eurokodovi

prEN 1993-1-13 en

Eurocode 3 – Design of steel structures – Part 1-13: Rules for beams with large web openings
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-13: Pravila za grede s velikim otvorima u hrptu

prEN 1993-1-2 en

Eurocode 3: Design of steel structures – Part 1-2: General rules – Structural fire design
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-2: Opća pravila – Proračun konstrukcija na djelovanje požara

prEN 1993-1-3 en

Eurocode 3 – Design of steel structures – Part 1-3: General rules – Supplementary rules for cold-formed members and sheeting
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-3: Opća pravila – Dodatna pravila za hladno oblikovane elemente i limove

prEN 1993-1-5 en

Eurocode 3 – Design of steel structures – Part 1-5: Plated structural elements
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi

HZN/TO 550, Opskrba vodom

prEN 16056 en

Influence of metallic materials on water intended for human consumption – Method to evaluate the passive behaviour of stainless steels and other passive alloys

prEN 17821 en

Frost resistant outdoor taps for outdoor use – general technical specification

HZN/TO 553, Predgotovljeni proizvodi

prEN 13369 en

Common rules for precast concrete products
Opća pravila za predgotovljene betonske elemente

HZN/TO 554, Obrada otpadnih voda

prEN 12255-5 en

Wastewater treatment plants – Part 5: Lagooning processes
Uredaji za pročišćivanje otpadnih voda – 5. dio: Primjena laguna

prEN 12255-8 en

Wastewater treatment plants – Part 8: Sludge treatment and storage
Uredaji za pročišćivanje otpadnih voda – 8. dio: Obrada i odlaganje mulja

prEN 12255-12 en

Wastewater treatment plants – Part 12: Control and automation
Uredaji za pročišćivanje otpadnih voda – 12. dio: Kontrola i automatizacija

HZN/TO 555, Medicinski proizvodi

prEN ISO 14644-8 en

Cleanrooms and associated controlled environments – Part 8: Classification of air cleanliness by chemical concentration (ACC) (ISO/FDIS 14644-8:2022)
Čisti prostori i odgovarajući kontrolirani okoliš – 8. dio: Razredba čistoće zraka – Postupci prema kemijskoj koncentraciji (ISO/FDIS 14644-8:2022)

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

prEN 13776 en

LPG equipment and accessories – Filling and discharge procedures for LPG road tankers
Oprema i pribor za UNP – Postupci punjenja i pražnjenja kamionskih cisterni za UNP

prEN 14334 en

LPG equipment and accessories – Inspection and testing of LPG road tankers
Oprema i pribor za UNP – Pregled i ispitivanje kamionskih cisterni za UNP

prEN 14841 en

LPG equipment and accessories – Filling and discharge procedures for LPG rail tankers
Oprema i pribor za UNP – Postupci punjenja i pražnjenja željezničkih cisterni za UNP

HZN/TO 563, Sigurnost strojeva

prEN ISO 13855 en

Safety of machinery – Positioning of safeguards with respect to the approach of the human body (ISO/DIS 13855:2022)
Sigurnost strojeva – Postavljanje zaštitne opreme s obzirom na pristup ljudskog tijela (ISO/DIS 13855:2022)

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

EN ISO 16654:2001/prA2 en

Microbiology of food and animal feeding stuffs – Horizontal method for the detection of *Escherichia coli* O157 – Amendment 2: Inclusion of performance testing of culture media and reagents (ISO 16654:2001/DAmD 2:2022)
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za dokazivanje prisutnosti *Escherichia coli* O157 – Amandman 2: Uključivanje izvedbenih značajki hranjivih podloga i reagensa (ISO 16654:2001/DAmD 2:2022)

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

prEN ISO 16387 en

Soil quality – Effects of contaminants on Enchytraeidae (Enchytraeus sp.) – Determination of effects on reproduction (ISO/DIS 16387:2022)
Kvaliteta tla – Učinci onečišćivača na porodicu Enchytraeidae (Enchytraeus sp.) – Određivanje učinka na razmnožavanje (ISO/DIS 16387:2022)

prEN 17516 en

Waste – Characterization of granular solids with potential for use as construction material – Compliance leaching test – Up-flow percolation test
Otpad – Karakterizacija zrnatih krutina s mogućnošću uporabe kao građevinski materijal – Test usklađenosti izluživanjem – Up-flow perkolacijski test

HZN/TO 582, Informacijska sigurnost i upravljanje kontinuitetom poslovanja

prEN ISO/IEC 24760-1 en

IT Security and Privacy – A framework for identity management – Part 1: Terminology and concepts (ISO/IEC 24760-1:2019)
Sigurnost IT-a i privatnost – Okvir za upravljanje identitetom – 1. dio: Terminologija i koncepcija (ISO/IEC 24760-1:2019)

HZN/TO E22, Energetska elektronika

prEN IEC 61800-3:2022 en

Adjustable speed electrical power drive systems – Part 3: EMC requirements and specific test methods for PDS and machine tools (IEC 61800-3 ED4)

HZN/TO E23, Električni instalacijski pribor

EN IEC 60669-2-1:2021/prAA en

Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic control devices
Sklopke za kućanstvo i slične fiksne električne instalacije – Dio 2-1: Posebni zahtjevi – Elektronički upravljački uređaji

HZN/TO E31, Eksplozivne atmosfere

EN 50104:2019/prA1 en

Electrical equipment for the detection and measurement of oxygen – Performance requirements and test methods
Električni uređaji za otkrivanje i mjerenje kisika – Zahtjevi za pogonska svojstva i metode ispitivanja

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

prEN IEC 61406:2022 en

Identification Link – Unambiguous biunique Machine-Readable Identification (IEC 61406 ED1)

HZN/TO E81, Zaštita od munje

prEN IEC 62561-3:2022 en

Lightning protection system components (LPSC) – Part 3: Requirements for isolating spark gaps (ISG) (IEC 62561-3 ED3)
Komponente sustava zaštite od munje (LPSC) – 3. dio: Zahtjevi za odvojna iskrišta (IEC 62561-3 ED3)

HZN/TO E108, Sigurnost elektroničke opreme u području audio, video, informacijske i komunikacijske tehnologije

prEN IEC 62368-1:2022 en

Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1 ED4)
Oprema audio/video, informacijske i komunikacijske tehnologije – 1. dio: Zahtjevi sigurnosti (IEC 62368-1 ED4)

HZN/TO E501, Elektroakustika i ultrazvuk

prEN IEC 62127-3:2022 en

Ultrasonics – Hydrophones – Part 3: Properties of hydrophones for ultrasonic fields (IEC 62127-3 ED2)
Ultrazvuk – Hidrofoni – 3. dio: Značajke hidrofona za ultrazvučna polja (IEC 62127-3 ED2)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 302 065-4-4 V1.1.0:2022 en

Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard for access to radio spectrum – Part 4: Material Sensing devices – Sub-part 4: Exterior material sensing applications for ground based vehicles
Uređaji kratkoga dometa (UKD) koji upotrebljavaju ultra širokopojasnu tehnologiju (UŠT) – Harmonizirana norma za pristup radijskom spektru – 4. dio: Senzori materijala – 4. Poddio: Vanjski senzori materijala na zemaljskim vozilima

Draft EN 302 077 V2.2.0:2022 en

Transmitting equipment for the Digital Audio Broadcasting (DAB) service – Harmonised Standard for access to radio spectrum
Odašiljačka oprema za digitalnu audio radiodifuzijsku (DAR) službu – Harmonizirana norma za pristup radijskom spektru

Draft EN 302 245 V2.2.0:2022 en

Transmitting equipment for the Digital Radio Mondiale (DRM) service – Harmonised Standard for access to radio spectrum
Odašiljačka oprema koja upotrebljava DRS digitalni radijski standard – Harmonizirana norma za pristup radijskom spektru

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

prEN ISO 24197 en

Vapour products – Determination of e-liquid vaporised mass and aerosol collected mass (ISO/DIS 24197:2022)

EN ISO 26986:2012/prA1 en

Resilient floor coverings – Expanded (cushioned)poly(vinyl chloride) floor covering – Specification (ISO 26986:2010/DAMd 1:2022)
Elastične podne obloge – Ekspandirane poli(vinil-kloridne) podne obloge – Specifikacija (ISO 26986:2010/DAMd 1:2022)

HZN/TU B1, Graditeljstvo 1

prEN 13200-4 en

Spectator facilities – Part 4: Seats – Product characteristics
Gledališta – 4. dio: Sjedala – Značajke proizvoda

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

prEN 302-8 en

Adhesives for load-bearing timber structures – Test methods – Part 8: Static load test of multiple bond line specimens in compression shear
Adhezivi za nosive drvene konstrukcije – Metode ispitivanja – 8. dio: Ispitivanje statičkog opterećenja uzoraka u pritisnom smicanju s višestrukom spojnim linijom uzoraka

prEN ISO 6076 en

Adhesives – Installation of floor coverings, wood flooring, levelling compounds and tiles – Specification of trowel notch sizes (ISO/DIS 6076:2022)
Adhezivi – Ugradnja podnih obloga, drvenih podova, izravnavaćućih masa i pločica – Specifikacija veličina zarezata lopatice (ISO/DIS 6076:2022)

prEN ISO 11125-9 en

Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 9: Wear testing and performance (ISO 11125-9:2021)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode ispitivanja metalnih abraziva za čišćenje mlazom – 9. dio: Ispitivanje trošenja i izvedbe (ISO 11125-9:2021)

prEN ISO/ASTM 52926-1 en

Additive Manufacturing of metals – Qualification principles – Part 1: General qualification of operators (ISO/ASTM DIS 52926-1:2022)
Aditivna proizvodnja metala – Načela ispitivanja kvalificiranosti – 1. dio: Opći kriteriji kvalificiranosti rukovatelja (ISO/ASTM DIS 52926-1:2022)

prEN ISO/ASTM 52926-2 en

Additive Manufacturing of metals – Qualification principles – Part 2: Qualification of operators for PBF-LB (ISO/ASTM DIS 52926-2:2022)
Aditivna proizvodnja metala – Načela ispitivanja kvalificiranosti – 2. dio: Kriteriji kvalificiranosti rukovatelja za PBF-LB (ISO/ASTM DIS 52926-2:2022)

prEN ISO/ASTM 52926-3 en
Additive Manufacturing of metals – Qualification principles – Part 3: Qualification of operators for PBF-EB (ISO/ASTM DIS 52926-3:2022)
Ađitivna proizvodnja metala – Načela ispitivanja kvalificiranosti – 3. dio: Kriteriji kvalificiranosti rukovatelja za PBF-EB (ISO/ASTM DIS 52926-3:2022)

prEN ISO/ASTM 52926-4 en
Additive Manufacturing of metals – Qualification principles – Part 4: Qualification of operators for DED-LB (ISO/ASTM DIS 52926-4:2022)
Ađitivna proizvodnja metala – Načela ispitivanja kvalificiranosti – 4. dio: Kriteriji kvalificiranosti rukovatelja za DED-LB (ISO/ASTM DIS 52926-4:2022)

prEN ISO/ASTM 52926-5 en
Additive Manufacturing of metals – Qualification principles – Part 5: Qualification of operators for DED-Arc (ISO/ASTM DIS 52926-5:2022)
Ađitivna proizvodnja metala – Načela ispitivanja kvalificiranosti – 5. dio: Kriteriji kvalificiranosti rukovatelja za DED-Arc (ISO/ASTM DIS 52926-5:2022)

prEN ISO/ASTM 52927 en
Additive manufacturing – General principles – Main characteristics and corresponding test methods (ISO/ASTM DIS 52927:2022)
Ađitivna proizvodnja – Opća načela – 3. dio: Glavne značajke i odgovarajuće metode ispitivanja (ISO/ASTM DIS 52927:2022)

HZN/TU I2, Strojstvo 2

prEN ISO 20785-3 en
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 3: Measurements at aviation altitudes (ISO/DIS 20785-3:2022)
Dozimetrija izloženosti kozmičkom zračenju u civilnim zrakoplovima – 3. dio: Mjerenja na visinama letenja (ISO/DIS 20785-3:2022)

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

prEN 455-3 en
Medical gloves for single use – Part 3: Requirements and testing for biological evaluation
Medicinske rukavice za jednokratnu upotrebu – 3. dio: Zahtjevi i ispitivanje za biološko vrednovanje

prEN ISO 5139 en
Dentistry – Polymer-based composite machinable blanks (ISO/DIS 5139:2022)
Stomatologija – Strojno obradivi blokovi od kompozita na bazi polimera za izradu restauracija (ISO/DIS 5139:2022)

prEN ISO 8325 en
Dentistry – Test methods for rotary instruments (ISO/DIS 8325:2022)
Stomatologija – Metode ispitivanja za rotirajuće instrumente (ISO/DIS 8325:2022)

prEN ISO 8536-2 en
Infusion equipment for medical use – Part 2: Closures for infusion bottles (ISO/DIS 8536-2:2022)
Oprema za infuziju za medicinsku primjenu – 2. dio: Zatvarači za boce za infuziju (ISO/DIS 8536-2:2022)

prEN ISO 20342-1 en
Assistive products for tissue integrity when lying down – Part 1: General requirements (ISO/FDIS 20342-1:2022)
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 1. dio: Opći zahtjevi (ISO/FDIS 20342-1:2022)

prEN ISO 20749 en
Dentistry – Pre-capsulated dental amalgam (ISO/DIS 20749:2022)
Stomatologija – Zubni amalgam u kapsulama (ISO/DIS 20749:2022)

prEN ISO 21649 en
Needle-free injection systems for medical use – Requirements and test methods (ISO/DIS 21649:2022)
Injekcijski sustavi bez igle za medicinsku primjenu – Zahtjevi i metode ispitivanja (ISO/DIS 21649:2022)

prEN ISO 24466 en
Dentistry – Designations for the parts and dimensions of an implant body or a monopart implant (ISO/DIS 24466:2022)
Stomatologija – Oznake za dijelove i dimenzije tijela implantata ili jednodijelnog implantata (ISO/DIS 24466:2022)

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

prEN 415-2 en
Safety of packaging machines – Part 2: Packaging machines for pre-formed rigid containers
Sigurnost strojeva za pakiranje – 2. dio: Strojevi za pakiranje predoblikovanih krutih spremnika

prEN 415-8 en
Safety of packaging machines – Part 8: Strapping machines
Sigurnost strojeva za pakiranje – 8. dio: Strojevi za pritezanje vrpčama

prEN 2942:2022 en
Aerospace series – Insert, MJ screw thread, helical coil, self-locking tanged insertion drive, in heat resisting nickel base alloy NI-PH2801 (Inconel X750), silver plated

prEN 9300-001 en
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 001: Structure

prEN ISO 11243 en
Cycles – Luggage carriers for bicycles – Requirements and test methods (ISO/DIS 11243:2022)
Bicikli – Nosači prtljage za bicikle – Zahtjevi i metode ispitivanja (ISO/DIS 11243:2022)

EN 15194:2017/prA2 en
Cycles – Electrically power assisted cycles – EPAC Bicycles
Bicikli – Bicikli s pomoćnim električnim pogonom – EPAC Bicikli

prEN 16601-70 en
Space project management – Integrated support and services engineering (ISSE)

HZN/TU V1, Elektronika 1

prEN IEC 60384-14:2022 en
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (IEC 60384-14 ED5)
Fiksni kondenzatori za uporabu u elektroničkoj opremi – 14. dio: Sekcijska specifikacija – Fiksni kondenzatori za suzbijanje elektromagnetskih smetnji i za spajanje na mrežu za napajanje (IEC 60384-14 ED5)

prEN IEC 60794-1-301:2022 en
Optical fibre cables – Part 1-301: Generic specification – Basic optical cable test procedures – Cable elements test methods – Bend test, Method G1 (IEC 60794-1-301 ED1)
Svjetlovodni kabeli – Dio 1-301: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje savijanjem, metoda G1 (IEC 60794-1-301 ED1)

prEN IEC 60794-1-311:2022 en
Optical fibre cables – Part 1-311: Generic specification – Basic optical cable test procedures – Cable element test methods – Tensile strength and elongation test for cable elements, Method G11A (IEC 60794-1-311 ED1)
Svjetlovodni kabeli – Dio 1-311: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje vlačne čvrstoće i istežanja kabela, metoda G11A (IEC 60794-1-311 ED1)

prEN IEC 60794-1-312:2022 en
Optical fibre cables – Part 1-312: Generic specification – Basic optical cable test procedures – Cable element test methods – Elongation test for buffer tubes, Method G11B (IEC 60794-1-312 ED1)
Svjetlovodni kabeli – Dio 1-312: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Metode ispitivanja elemenata kabela – Ispitivanje istežanja za puferske cijevi, metoda G11B (IEC 60794-1-312 ED1)

HZN/TU W1, Energetska elektrotehnika 1

EN IEC 62841-2-3:2021/prA1:2022 en
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/am1 ED1)
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/am1 ED1)

EN IEC 62841-2-3:2021/prAB en

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

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 62841-3-14:2017/prA1:2022 en

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-14: Particular requirements for transportable drain cleaners (IEC 62841-3-14/am1 ED1)

Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-14: Posebni zahtjevi za prijenosne čistače odvoda (IEC 62841-3-14/am1 ED1)

EN 62841-3-14:2017/prAB en

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-14: Particular requirements for transportable drain cleaners

Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-14: Posebni zahtjevi za prijenosne čistače odvoda

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 22, Cestovna vozila

HRN EN 1647:2018 en

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

- zamijenjena s: HRN EN 1647:2022

HRN ISO 3739-2:2005 en

Gume i naplatci za industrijska vozila – 2. dio: Pneumatske gume (milimetarski nizovi) na naplatcima s osnovom nagiba 5 stupnjeva ili ravnom – Nazivne nosivosti (ISO 3739-2:1992) Industrial tyres and rims – Part 2: Pneumatic tyres (metric series) on 5 degrees tapered or flat base rims – Load ratings (ISO 3739-2:1992)

- zamijenjena s: HRN ISO 3739-2:2022

HRN ISO 3739-3:2011 en

Gume i naplatci za industrijska vozila – 3. dio: Naplatci (ISO 3739-3:2008)

Industrial tyres and rims – Part 3: Rims (ISO 3739-3:2008)

- zamijenjena s: HRN ISO 3739-3:2022

HRN ISO 3911:2008 en

Kotači i naplatci za pneumatike – Terminološki rječnik, označavanje i obilježavanje (ISO 3911:2004)

Wheels and rims for pneumatic tyres – Vocabulary, designation and marking (ISO 3911:2004)

- zamijenjena s: HRN ISO 3911:2022

HRN ISO 4000-2:2014 en

Gume i naplatci za osobne automobile – 2. dio: Naplatci (ISO 4000-2:2013)

Passenger car tyres and rims – Part 2: Rims (ISO 4000-2:2013)

- zamijenjena s: HRN ISO 4000-2:2022

HRN ISO 6621-3:2004 en

Motori s unutarnjim izgaranjem – Klipni prstenovi – 3. dio: Specifikacije materijala (ISO 6621-3:2000)

Internal combustion engines – Piston rings – Part 3: Material specifications (ISO 6621-3:2000)

- zamijenjena s: HRN ISO 6621-3:2022

HRN ISO 7299-2:2013 en

Dizelski motori – Prirubnice za pričvršćivanje pumpa – 2. dio: Visokotlačne dobavne pumpe za sustave ubrizgavanja goriva sa zajedničkim spremnikom (common rail) (ISO 7299-2:2009)

Diesel engines – End-mounting flanges for pumps – Part 2: High-pressure supply pumps for common rail fuel injection systems (ISO 7299-2:2009)

- zamijenjena s: HRN ISO 7299-2:2022

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 589:2018 hr-en

Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2018)

Automotive fuels – LPG – Requirements and test methods (EN 589:2018)

- zamijenjena s: HRN EN 589:2022

HRN EN 589:2018/NA:2020 hr

Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja – Nacionalni dodatak

Automotive fuels – LPG – Requirements and test methods – National Annex

- bez zamjene

HRN EN 15984:2017 en
Naftna industrija i proizvodi – Određivanje sastava rafinerijskih plinova za loženje i izračunavanje udjela ugljika i toplinske vrijednosti – Metoda plinske kromatografije (EN 15984:2017)
Petroleum industry and products – Determination of composition of refinery heating gas and calculation of carbon content and calorific value – Gas chromatography method (EN 15984:2017)
- zamijenjena s: HRN EN 15984:2022

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN ISO 939:2001 en
Mirodije i začini – Određivanje sadržaja vode – Rutinska metoda (ISO 939:1980)
Spices and condiments – Determination of moisture content – Entrainment method (ISO 939:1980)
- zamijenjena s: HRN ISO 939:2022

HRN ISO 7301:2016 en
Riža – Specifikacija (ISO 7301:2011)
Rice – Specification (ISO 7301:2011)
- zamijenjena s: HRN ISO 7301:2022

HRN ISO 7970:2016 en
Pšenica (*Triticum aestivum* L.) – Specifikacija (ISO 7970:2011)
Wheat (*Triticum aestivum* L.) – Specification (ISO 7970:2011)
- zamijenjena s: HRN ISO 7970:2022

HRN ISO 11056:2008 en
Senzorske analize – Metodologija – Metoda procjene veličine (ISO 11056:1999)
Sensory analysis – Methodology – Magnitude estimation method (ISO 11056:1999)
- zamijenjena s: HRN ISO 11056:2022

HRN ISO 11056:2008/A1:2014 en
Senzorske analize – Metodologija – Metoda procjene veličine (ISO 11056:1999/Amd 1:2013)
Sensory analysis – Methodology – Magnitude estimation method (ISO 11056:1999/Amd 1:2013)
- zamijenjena s: HRN ISO 11056:2022

HRN ISO 11056:2008/A2:2016 en
Senzorske analize – Metodologija – Metoda procjene veličine (ISO 11056:1999/Amd 2:2015)
Sensory analysis – Methodology – Magnitude estimation method (ISO 11056:1999/Amd 2:2015)
- zamijenjena s: HRN ISO 11056:2022

HZN/TO 43, Akustika

HRN EN ISO 8253-3:2012 en
Akustika – Audiometrijske metode ispitivanja – 3. dio: Audiometrija govornim signalima (ISO 8253-3:2012; EN ISO 8253-3:2012)
Acoustics – Audiometric test methods – Part 3: Speech audiometry (ISO 8253-3:2012; EN ISO 8253-3:2012)
- zamijenjena s: HRN EN ISO 8253-3:2022

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 17639:2013 en
Razorno ispitivanje zavara metalnih materijala – Makroskopsko i mikroskopsko ispitivanje zavara (ISO 17639:2003; EN ISO 17639:2013)
Destructive tests on welds in metallic materials – Macroscopic and microscopic examination of welds (ISO 17639:2003; EN ISO 17639:2013)
- zamijenjena s: HRN EN ISO 17639:2022

HZN/TO 54, Eterična ulja

HRN ISO 3065:2013 en
Ulje eukaliptusa, australski tip, koje sadrži 80 do 85 volumnih postotaka 1,8-cineola (ISO 3065:2011)
Oil of eucalyptus Australian type, containing a volume fraction of 80% to 85% of 1,8-cineole (ISO 3065:2011)
- zamijenjena s: HRN ISO 3065:2022

HZN/TO 108, Mehaničke vibracije i udari

HRN ISO 5348:2000 en
Mehaničke vibracije i udari – Mehaničko pričvršćenje akcelerometara (ISO 5348:1998)
Mechanical vibration and shock – Mechanical mounting of accelerometers (ISO 5348:1998)
- zamijenjena s: HRN ISO 5348:2022

HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 4135:2008 hr,en,fr,de
Anestetička i respiracijska oprema – Terminološki rječnik (ISO 4135:2001; EN ISO 4135:2001)
Anaesthetic and respiratory equipment – Vocabulary (ISO 4135:2001; EN ISO 4135:2001)
- zamijenjena s: HRN EN ISO 4135:2022

HZN/TO 126, Duhan i duhanski proizvodi

HRN ISO 6488:2004 en
Duhan i duhanski proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 6488:2004)
Tobacco and tobacco products – Determination of water content – Karl Fischer method (ISO 6488:2004)
- zamijenjena s: HRN ISO 6488:2022

HRN ISO 6488:2004/lSpr.1:2010 en
Duhan i duhanski proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 6488:2004/Cor 1:2008)
Tobacco and tobacco products – Determination of water content – Karl Fischer method (ISO 6488:2004/Cor 1:2008)
- zamijenjena s: HRN ISO 6488:2022

HRN ISO 10315:2013 en
Cigarete – Određivanje nikotina u dimnom kondenzatu – Metoda plinske kromatografije (ISO 10315:2013)
Cigarettes – Determination of nicotine in smoke condensates – Gas-chromatographic method (ISO 10315:2013)
- zamijenjena s: HRN ISO 10315:2022

HZN/TO 134, Gnojiva i poboljšivači tla

HRI CR 14061:2008 en
Gnojiva – Određivanje sadržaja prašine (CR 14061:2000)
Fertilizers – Determination of dust content (CR 14061:2000)
- bez zamjene

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

HRN EN ISO 11295:2018 en
Razredba i obavijesti o oblikovanju plastičnih cijevnih sustava namijenjenih za obnavljanje i premještanje (ISO 11295:2017; EN ISO 11295:2017)
Classification and information on design and applications of plastics piping systems used for renovation and replacement (ISO 11295:2017; EN ISO 11295:2017)
- zamijenjena s: HRN EN ISO 11295:2022

HRN EN ISO 13844:2015 en
Plastični cijevni sustavi – Spojni naglavci s elastomernom prstenastom brtvom za plastične cijevi – Metoda ispitivanja nepropusnosti pod negativnim tlakom, kutnim otklonom i deformacijom (ISO 13844:2015; EN ISO 13844:2015)
Plastics piping systems – Elastomeric-sealing-ring-type socket joints for use with plastic pressure pipes – Test method for leaktightness under negative pressure, angular deflection and deformation (ISO 13844:2015; EN ISO 13844:2015)
- zamijenjena s: HRN EN ISO 13844:2022

HZN/TO 146, Kvaliteta zraka

HRN EN 13725:2008 en
Kvaliteta zraka – Određivanje koncentracije mirisa metodom dinamičke olfaktometrije (EN 13725:2003+AC:2006)
Air quality – Determination of odour concentration by dynamic olfactometry (EN 13725:2003+AC:2006)
- zamijenjena s: HRN EN 13725:2022

HZN/TO 147, Kvaliteta vode

HRN EN ISO 13163:2019 en
Kvaliteta vode – Olovo-210 – Metoda ispitivanja s upotrebom tekućinske scintilacije (ISO 13163:2013; EN ISO 13163:2019)
Water quality – Lead-210 – Test method using liquid scintillation counting (ISO 13163:2013; EN ISO 13163:2019)
- zamijenjena s: HRN EN ISO 13163:2022

HZN/TO 147/PO 6, Kvaliteta vode; Uzorkovanje (opće metode)

HRN EN ISO 5667-1:2008 en
Kakvoća vode – Uzorkovanje – 1. dio: Smjernice za osmišljavanje programa uzorkovanja i tehnike uzorkovanja (ISO 5667-1:2006; EN ISO 5667-1:2006+AC:2007)
Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques (ISO 5667-1:2006; EN ISO 5667-1:2006+AC:2007)
- zamijenjena s: HRN EN ISO 5667-1:2022

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 10942:2008 en
Oftalmološki instrumenti – Oftalmoskopi (direktni) (ISO 10942:2006; EN ISO 10942:2006)
Ophthalmic instruments – Direct ophthalmoscopes (ISO 10942:2006; EN ISO 10942:2006)
- zamijenjena s: HRN EN ISO 10942:2022

HRN EN ISO 15798:2013 en
Oftalmološki implantanti – Oftalmološka viskozno-kirurška sredstva (ISO 15798:2013; EN ISO 15798:2013)
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2013; EN ISO 15798:2013)
- zamijenjena s: HRN EN ISO 15798:2022

HRN EN ISO 15798:2013/A1:2017 en
Oftalmološki implantati – Oftalmološka viskozno-kirurška sredstva (ISO 15798:2013/Amd 1:2017; EN ISO 15798:2013/A1:2017)
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2013/Amd 1:2017; EN ISO 15798:2013/A1:2017)
- zamijenjena s: HRN EN ISO 15798:2022

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

HRN EN 81-22:2014 en
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za prijevoz osoba i tereta – 22. dio: Električna kosa dizala (EN 81-22:2014)
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 22: Electric lifts with inclined path (EN 81-22:2014)
- zamijenjena s: HRN EN 81-22:2022

HZN/TO 196, Prirodni kamen

HRN EN 12372:2008 en
Metode ispitivanja prirodnoga kamena – Određivanje čvrstoće pri savijanju pod koncentriranim opterećenjem (EN 12372:2006)
Natural stone test methods – Determination of flexural strength under concentrated load (EN 12372:2006)
- zamijenjena s: HRN EN 12372:2022

HZN/TO 502, Plinski uređaji

HRN EN 16830:2017 en
Sigurnosni i regulirajući uređaji za plamenike i uređaje na plinska ili tekuća goriva – Kontrolne funkcije u elektroničkim sustavima – Kontrola temperature (EN 16830:2017)
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Temperature Control function (EN 16830:2017)
- zamijenjena s: HRN EN 16830:2022

HRN EN 17476:2021 en
Specifikacije za aparate na ukapljeni naftni plin – Aparati na UNP paru pod tlakom koji sadrže vodoravni plinski spremnik u kućištu (EN 17476:2021)
Specifications for dedicated liquefied petroleum gas appliances – LPG vapour pressure appliances incorporating an horizontal cartridge in the chassis (EN 17476:2021)
- zamijenjena s: HRN EN 17476:2022

HZN/TO 503, Metalni materijali

HRN EN ISO 683-3:2019 en
Toplinski obradivi čelici, legirani čelici i čelici za obradu na automatima – 3. dio: Čelici za cementiranje (ISO 683-3:2019; EN ISO 683-3:2019)
Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels (ISO 683-3:2019; EN ISO 683-3:2019)
- zamijenjena s: HRN EN ISO 683-3:2022

HRN EN 10202/AC:2007 en
Hladno valjani proizvodi za pakiranje – Elektrolitski pokositreni čelik i čelici s elektrolitskom prevlakom kroma/kromova oksida (EN 10202:2001/AC:2003)
Cold reduced tinmill products – Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel (EN 10202:2001/AC:2003)
- zamijenjena s: HRN EN 10202:2022

HRN EN 10202:2001 en
Hladno valjani proizvodi za pakiranje – Elektrolitski pokositreni čelik i čelici s elektrolitskom prevlakom kroma/kromova oksida (EN 10202:2001)
Cold reduced tinmill products – Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel (EN 10202:2001)
- zamijenjena s: HRN EN 10202:2022

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 9220:1999 en
Metalne prevlake – Mjerenje debljine prevlake – Metoda skenirajuće elektronske mikroskopije (ISO 9220:1988; EN ISO 9220:1994)
Metallic coatings – Measurement of coating thickness – Scanning electron microscope method (ISO 9220:1988; EN ISO 9220:1994)
- zamijenjena s: HRN EN ISO 9220:2022

HRN EN ISO 10270:2008 en
Korozija metala i legura – Vodena korozijska ispitivanja cirkonijevih legura za uporabu u nuklearnim reaktorima (ISO 10270:1995+Cor 1:1997; EN ISO 10270:2008)
Corrosion of metals and alloys – Aqueous corrosion testing of zirconium alloys for use in nuclear power reactors (ISO 10270:1995+Cor 1:1997; EN ISO 10270:2008)
- zamijenjena s: HRN EN ISO 10270:2022

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 772:2012 en,fr
Hidrometrija – Terminološki rječnik i simboli (ISO 772:2011; EN ISO 772:2011)
Hydrometry – Vocabulary and symbols (ISO 772:2011; EN ISO 772:2011)
- zamijenjena s: HRN EN ISO 772:2022

HZN/TO 520, Biotehnologija

HRN CR 12250:2002 en
Biotehnologija – Mikroorganizmi – Buduća ispitivanja organizama u potpori klasifikacije donesene u direktivi 90/679/EEC (CR 12250:1995)
Biotechnology – Microorganisms – Further examination of organisms in support of the classification work carried out under directive 90/679/EEC (CR 12250:1995)
- bez zamjene

HRN CR 12292:2002 en
Biotehnologija – Mikroorganizmi – Ispitivanja postojećih različitih popisa biljnih patogena i izrada izvješća (CR 12292:1996)
Biotechnology – Microorganisms – Examination of the various existing lists of plant pathogens and production of a report (CR 12292:1996)
- bez zamjene

HRN CR 12739:2002 en
Biotehnologija – Laboratoriji za istraživanje, razvoj i analizu – Izvješće o odabiru opreme potrebne za biotehnološke laboratorije sukladno stupnju opasnosti pri radu (CR 12739:1998)
Biotechnology – Laboratories for research, development and analysis – Report on the selection of equipment needed for biotechnology laboratories according to the degree of hazard (CR 12739:1998)
- bez zamjene

HRN CR 12894:2002 en
Biotehnologija – Mikroorganizmi – Ispitivanja različitih postojećih popisa životinjskih patogena i izrada izvješća (CR 12894:1997)
Biotechnology – Microorganisms – Examination of various existing lists of animal pathogens and production of a report (CR 12894:1997)
- bez zamjene

HRN CR 13426:2002 en
Biotehnologija – Mikroorganizmi – Izvješće o kriteriju upotrebljenom pri klasifikaciji grupe I genetički modificiranih mikroorganizama (CR 13426:1998)
Biotechnology – Microorganisms – Report on the criteria used to classify Group I genetically modified microorganisms (CR 13426:1998)
- bez zamjene

HZN/TO 524, Inteligentni transportni sustavi

HRS CEN ISO/TS 19468:2021 en
Inteligentni transportni sustavi – Podatkovno sučelje između centara za prijenos informacija i upravljačkog sustava – Specifikacije modela neovisne o platformi za protokole razmjene podataka u sustavima prometnog informiranja i nadzora (ISO/TS 19468:2019; CEN ISO/TS 19468:2019)
Intelligent transport systems – Data interfaces between centres for transport information and control systems – Platform independent model specifications for data exchange protocols for transport information and control systems (ISO/TS 19468:2019; CEN ISO/TS 19468:2019)
- zamijenjena s: HRS CEN ISO/TS 19468:2022

HZN/TO 528, Oprema za željeznice

HRN EN 15427:2011 en
Željeznički sustav – Upravljanje trenjem između kotača i tračnica – Podmazivanje prirubnica (EN 15427:2008+A1:2010)
Railway applications – Wheel/rail friction management – Flange lubrication (EN 15427:2008+A1:2010)
- zamijenjena s: HRN EN 15427-1-1:2022

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

HRN EN 280:2015 en
Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi (EN 280:2013+A1:2015)
Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests (EN 280:2013+A1:2015)
- zamijenjena s: HRN EN 280-1:2022

HZN/TO 531, Plastika i guma

HRN EN ISO 3915:2008 en
Plastika – Mjerenje otpornosti vodljive plastike (ISO 3915:1981; EN ISO 3915:1999)
Plastics – Measurement of resistivity of conductive plastics (ISO 3915:1981; EN ISO 3915:1999)
- zamijenjena s: HRN EN ISO 3915:2022

HRN EN ISO 8985:2008 en
Plastika – Etilen/vinil-acetatni (EVAC) plastomerni kopolimeri – Određivanje sadržaja vinil-acetata (ISO 8985:1998; EN ISO 8985:1998)
Plastics – Ethylene/vinyl acetate copolymer (EVAC) thermoplastics – Determination of vinyl acetate content (ISO 8985:1998; EN ISO 8985:1998)
- zamijenjena s: HRN EN ISO 8985:2022

HRN EN ISO 15013:2008 en
Plastika – Ekstrudirane polipropilenske (PP) ploče – Zahtjevi i ispitne metode (ISO 15013:2007; EN ISO 15013:2007)
Plastics – Extruded sheets of polypropylene (PP) – Requirements and test methods (ISO 15013:2007; EN ISO 15013:2007)
- zamijenjena s: HRN EN ISO 15013:2022

HRN EN ISO 15527:2019 en
Plastika – Tlačno oblikovane ploče od polietilena (PE-UHMW, PE-HD) – Zahtjevi i metode ispitivanja (ISO 15527:2018; EN ISO 15527:2018)
Plastics – Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) – Requirements and test methods (ISO 15527:2018; EN ISO 15527:2018)
- zamijenjena s: HRN EN ISO 15527:2022

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-7:2014 en
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 7. dio: Određivanje gustoće uzoraka asfalta gama zrakama (EN 12697-7:2014)
Bituminous mixtures – Test methods for hot mix asphalt – Part 7: Determination of bulk density of bituminous specimens by gamma rays (EN 12697-7:2014)
- zamijenjena s: HRN EN 12697-7:2022

HRN EN 12697-15:2003 en
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 15. dio: Određivanje osjetljivosti na odvajanje (EN 12697-15:2003)
Bituminous mixtures – Test methods for hot mix asphalt – Part 15: Determination of the segregation sensitivity (EN 12697-15:2003)
- zamijenjena s: HRN EN 12697-15:2022

HRN EN 12697-49:2014 en
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 49. dio: Određivanje trenja nakon poliranja (EN 12697-49:2014)
Bituminous mixtures – Test methods for hot mix asphalt – Part 49: Determination of friction after polishing (EN 12697-49:2014)
- zamijenjena s: HRN EN 12697-49:2022

HZN/TO 535, Agregati

HRN EN 933-9:2013 en
Ispitivanja geometrijskih svojstava agregata – 9. dio: Procjena sitnih čestica – Ispitivanje metilenskim modrilom (EN 933-9:2009+A1:2013)
Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test (EN 933-9:2009+A1:2013)
- zamijenjena s: HRN EN 933-9:2022

HRN EN 1097-6:2013 en
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 6. dio: Određivanje gustoće i upijanja vode (EN 1097-6:2013)
Tests for mechanical and physical properties of aggregates – Part 6: Determination of particle density and water absorption (EN 1097-6:2013)
- zamijenjena s: HRN EN 1097-6:2022

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

HRI CEN/TR 15232-2:2016 en
Energijske značajke zgrada – 2. dio: Prateći TR uz prEN 15232-1:2015 – Moduli M10-4,5,6,7,8,9,10 (CEN/TR 15232-2:2016)
Energy performance of buildings – Part 2: Accompanying TR prEN 15232-1:2015 – Modules M10-4,5,6,7,8,9,10 (CEN/TR 15232-2:2016)
- bez zamjene

HZN/TO 551, Gradnja

HRN ISO 4356:2002 en
Osnove projektiranja konstrukcija – Deformiranje zgrada za granično stanje uporabljivosti (ISO 4356:1977)
Bases for the design of structures – Deformations of buildings at the serviceability limit states (ISO 4356:1977)
- bez zamjene

HRN ISO 6707-1:2015 en
Zgrade i inženjerske građevine – Terminološki rječnik – 1. dio: Opći nazivi (ISO 6707-1:2014)
Buildings and civil engineering works – Vocabulary – Part 1: General terms (ISO 6707-1:2014)
- zamijenjena s: HRN ISO 6707-1:2022

HRN ISO 8930:2008 hr,en,fr
Opća načela pouzdanosti konstrukcija – Popis istovrijednih naziva (ISO 8930:1987)
General principles on reliability for structures – List of equivalent terms (ISO 8930:1987)
- zamijenjena s: HRN ISO 8930:2022

HRN ISO 13824:2011 en
Osnove projektiranja konstrukcija – Opća načela ocjenjivanja rizika konstrukcija koje uključuju sustave (ISO 13824:2009)
Bases for design of structures – General principles on risk assessment of systems involving structures (ISO 13824:2009)
- zamijenjena s: HRN ISO 13824:2022

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 558:2017 en
Industrijski zaporni uređaji – Ugradbene mjere metalnih zapornih uređaja za primjenu u cijevnim sustavima s prirubničkim spojevima – Zaporni uređaji s oznakama PN-a i razreda (EN 558:2017)
Industrial valves – Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems – PN and Class designated valves (EN 558:2017)
- zamijenjena s: HRN EN 558:2022

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

HRN EN ISO 14246:2014 en
Plinske boce – Ventili boca – Proizvodna ispitivanja i pregledi (ISO 14246:2014; EN ISO 14246:2014)
Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO 14246:2014; EN ISO 14246:2014)
- zamijenjena s: HRN EN ISO 14246:2022

HRN EN ISO 14246:2014/A1:2017 en
Plinske boce – Ventili boca – Ispitivanja u proizvodnji i pregledi (ISO 14246:2014/Amd 1:2017; EN ISO 14246:2014/A1:2017)
Gas cylinders – Cylinder valves – Manufacturing tests and examinations (ISO 14246:2014/Amd 1:2017; EN ISO 14246:2014/A1:2017)
- zamijenjena s: HRN EN ISO 14246:2022

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

HRN EN 15527:2008 en
Karakterizacija otpada – Određivanje policikličkih aromatskih ugljikovodika (PAH) u otpadu s uporabom plinske kromatografije sa masenom spektrometrijom (GC/MS) (EN 15527:2008)
Characterization of waste – Determination of polycyclic aromatic hydrocarbons (PAH) in waste using gas chromatography mass spectrometry (GC/MS) (EN 15527:2008)
- zamijenjena s: HRN EN 17503:2022

HRN EN 15936:2013 en
Muljevi, obrađeni biootpad, tlo i otpad – Određivanje ukupnoga organskog ugljika (TOC) suhim spaljivanjem (EN 15936:2012)
Sludge, treated biowaste, soil and waste – Determination of total organic carbon (TOC) by dry combustion (EN 15936:2012)
- zamijenjena s: HRN EN 15936:2022

HRN EN 16181:2018 en
Tlo, obrađeni biootpad i mulj – Određivanje policikličkih aromatskih ugljikovodika (PAU) plinskom kromatografijom (GC) i tekućinskom kromatografijom visokog učinka (HPLC) (EN 16181:2018)
Soil, treated biowaste and sludge – Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC) (EN 16181:2018)
- zamijenjena s: HRN EN 17503:2022

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

HRN EN 50438:2014 en
Zahtjevi za priključak mikrogeneratora paralelno na javne niskonaponske distribucijske mreže (EN 50438:2013)
Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks (EN 50438:2013)
- zamijenjena s: HRN EN 50549-1:2019

HRN EN 50438:2014/IS1:2015 en
Zahtjevi za priključak mikrogeneratora paralelno na javne niskonaponske distribucijske mreže (EN 50438:2013/IS1:2015)
Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks (EN 50438:2013/IS1:2015)
- zamijenjena s: HRN EN 50549-1:2019

HRS CLC/TS 50549-1:2015 en
Zahtjevi za priključak elektrane na distribucijski sustav – 1. dio: Priključak na niskonaponski distribucijski sustav nazivne struje iznad 16 A (CLC/TS 50549-1:2015)
Requirements for generating plants to be connected in parallel with distribution networks – Part 1: Connection to a LV distribution network above 16 A (CLC/TS 50549-1:2015)
- zamijenjena s: HRN EN 50549-1:2019

HRS CLC/TS 50549-2:2015 en
Zahtjevi za priključak elektrane na distribucijski sustav – 2. dio: Priključak na srednjonaponski distribucijski sustav (CLC/TS 50549-2:2015)
Requirements for generating plants to be connected in parallel with distribution networks – Part 2: Connection to a MV distribution network (CLC/TS 50549-2:2015)
- zamijenjena s: HRN EN 50549-2:2019

HZN/TO E9, *Električna oprema za željeznicu*

HRN EN 50124-1/A1:2007 en
Željeznički sustav – Usklađivanje izolacije – 1. dio: Osnovni zahtjevi – Zračni razmaci i puzne staze za svu električnu i elektroničku opremu (EN 50124-1:2001/A1:2003)
Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment (EN 50124-1:2001/A1:2003)
- zamijenjena s: HRN EN 50124-1:2017

HRN EN 50124-1/A2:2007 en
Željeznički sustav – Usklađivanje izolacije – 1. dio: Osnovni zahtjevi – Zračni razmaci i puzne staze za svu električnu i elektroničku opremu (EN 50124-1:2001/A2:2005)
Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment (EN 50124-1:2001/A2:2005)
- zamijenjena s: HRN EN 50124-1:2017

HRN EN 50124-1:2001 en
Željeznički sustav – Usklađivanje izolacije – 1. dio: Osnovni zahtjevi – Zračni razmaci i puzne staze za svu električnu i elektroničku opremu (EN 50124-1:2001)
Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment (EN 50124-1:2001)
- zamijenjena s: HRN EN 50124-1:2017

HRN EN 50124-1:2001/Ispr.1:2014 en
Željeznički sustav – Usklađivanje izolacije – 1. dio: Osnovni zahtjevi – Zračni razmaci i puzne staze za svu električnu i elektroničku opremu (EN 50124-1:2001/AC:2010)
Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment (EN 50124-1:2001/AC:2010)
- zamijenjena s: HRN EN 50124-1:2017

HRN EN 50124-2:2001 en
Željeznički sustav – Usklađivanje izolacije – 2. dio: Prenaponi i zaštita od prenapona (EN 50124-2:2001)
Railway applications – Insulation coordination – Part 2: Overvoltages and related protection (EN 50124-2:2001)
- zamijenjena s: HRN EN 50124-2:2017

HRN EN 50124-2:2001/Ispr.1:2014 en
Željeznički sustav – Usklađivanje izolacije – 2. dio: Prenaponi i zaštita od prenapona (EN 50124-2:2001/AC:2010)
Railway applications – Insulation coordination – Part 2: Overvoltages and related protection (EN 50124-2:2001/AC:2010)
- zamijenjena s: HRN EN 50124-2:2017

HRI CLC/TR 50126-3:2008 en
Željeznički sustav – Specifikacije i prikazi pouzdanosti, raspoloživosti, mogućnosti održavanja i sigurnosti (RAMS) – 3. dio: Upute za primjenu EN 50126-1 za pouzdanost, raspoloživost i mogućnost održavanja željezničkih vozila (CLC/TR 50126-3:2008)
Railway applications – The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) – Part 3: Guide to the application of EN 50126-1 for rolling stock RAM (CLC/TR 50126-3:2008)
- zamijenjena s: HRN EN 50126-1:2017

HRN EN 50152-3-1:2007 en
Željeznički sustav – Stabilna postrojenja – Posebni zahtjevi za izmjenična rasklopna postrojenja – Dio 3-1: Mjerni, upravljački i zaštitni uređaji za posebnu uporabu u izmjeničnim sustavima vuče – Vodič za primjenu (EN 50152-3-1:2003)
Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-1: Measurement, control and protection devices for specific use in a.c. traction systems – Application guide (EN 50152-3-1:2003)
- zamijenjena s: HRN EN 50152-3-1:2017

HRN EN 50155:2008 en
Željeznički sustav – Elektronička oprema na željezničkim vozilima (EN 50155:2007)
Railway applications – Electronic equipment used on rolling stock (EN 50155:2007)
- zamijenjena s: HRN EN 50155:2017

HRN EN 50155:2008/Ispr.1:2014 en
Željeznički sustav – Elektronička oprema na željezničkim vozilima (EN 50155:2007/AC:2010)
Railway applications – Electronic equipment used on rolling stock (EN 50155:2007/AC:2010)
- zamijenjena s: HRN EN 50155:2017

- HRS CLC/TS 50238-2:2015 en
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 2. dio: Kompatibilnost s kolosiječnim strujnim krugovima (CLC/TS 50238-2:2015)
Railway applications – Compatibility between rolling stock and train detection systems – Part 2: Compatibility with track circuits (CLC/TS 50238-2:2015)
- zamijenjena s: HRS CLC/TS 50238-2:2022
- HRS CLC/TS 50238-2:2015/Ispr.1:2016 en
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 2. dio: Kompatibilnost s kolosiječnim strujnim krugovima (CLC/TS 50238-2:2015/AC:2016-07)
Railway applications – Compatibility between rolling stock and train detection systems – Part 2: Compatibility with track circuits (CLC/TS 50238-2:2015/AC:2016-07)
- zamijenjena s: HRS CLC/TS 50238-2:2022
- HRN EN 50239:2001 en
Željeznički sustav – Radio upravljanje vučnim vozilima za teretni prijevoz (EN 50239:1999)
Railway applications – Radio remote control system of traction vehicle for freight traffic (EN 50239:1999)
- zamijenjena s: HRN EN 50239:2018
- HRN EN 50239:2001/Ispr.1:2014 en
Željeznički sustav – Radio upravljanje vučnim vozilima za teretni prijevoz (EN 50239:1999/AC:2012)
Railway applications – Radio remote control system of traction vehicle for freight traffic (EN 50239:1999/AC:2012)
- zamijenjena s: HRN EN 50239:2018
- HRN EN 50318:2007 en
Željeznički sustav – Sustavi oduzimača struje – Vrednovanje simulacije dinamičkog međudjelovanja između pantografa i kontaktnog voda (EN 50318:2002)
Railway applications – Current collection systems – Validation of simulation of the dynamic interaction between pantograph and overhead contact line (EN 50318:2002)
- zamijenjena s: HRN EN 50318:2019
- HRS CLC/TS 50459-1:2015 en
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 1. dio: Opća načela za prikaz ERTMS/ETCS/GSM-R informacija (CLC/TS 50459-1:2015)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 1: General principles for the presentation of ERTMS/ETCS/GSM-R information (CLC/TS 50459-1:2015)
- zamijenjena s: HRS CLC/TS 50459-1:2022
- HRS CLC/TS 50459-2:2016 en
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom – Sučelje strojovođa-vozilo – 2. dio: Ergonomski razmještaj GSM-R informacija (CLC/TS 50459-2:2015)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 2: Ergonomic arrangements of GSM-R information (CLC/TS 50459-2:2015)
- zamijenjena s: HRS CLC/TS 50459-2:2022
- HRS CLC/TS 50459-3:2016 en
Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 3. dio: Ergonomski razmještaj informacija koje nisu ECTS (CLC/TS 50459-3:2016)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 3: Ergonomic arrangements of non ECTS information (CLC/TS 50459-3:2016)
- zamijenjena s: HRS CLC/TS 50459-3:2022
- HRN EN 50463-1:2013 en
Željeznički sustav – Mjerenje energije na vozilima – 1. dio: Općenito (EN 50463-1:2012)
Railway applications – Energy measurement on board trains – Part 1: General (EN 50463-1:2012)
- zamijenjena s: HRN EN 50463-1:2017
- HRN EN 50463-2:2013 en
Željeznički sustav – Mjerenje energije na vozilima – 2. dio: Mjerenje energije (EN 50463-2:2012)
Railway applications – Energy measurement on board trains – Part 2: Energy measuring (EN 50463-2:2012)
- zamijenjena s: HRN EN 50463-2:2017
- HRN EN 50463-3:2013 en
Željeznički sustav – Mjerenje energije na vozilima – 3. dio: Postupanje s podacima (EN 50463-3:2012)
Railway applications – Energy measurement on board trains – Part 3: Data handling (EN 50463-3:2012)
- zamijenjena s: HRN EN 50463-3:2017
- HRN EN 50463-4:2013 en
Željeznički sustav – Mjerenje energije na vozilima – 4. dio: Komunikacije (EN 50463-4:2012)
Railway applications – Energy measurement on board trains – Part 4: Communication (EN 50463-4:2012)
- zamijenjena s: HRN EN 50463-4:2017
- HRN EN 50463-5:2013 en
Željeznički sustav – Mjerenje energije na vozilima – 5. dio: Ocjenjivanje sukladnosti (EN 50463-5:2012)
Railway applications – Energy measurement on board trains – Part 5: Conformity assessment (EN 50463-5:2012)
- zamijenjena s: HRN EN 50463-5:2017
- HRN EN 60077-1:2007 en
Željeznički sustav – Električna oprema za željeznička vozila – 1. dio: Opći radni uvjeti i opća pravila (IEC 60077-1:1999, MOD; EN 60077-1:2002)
Railway applications – Electric equipment for rolling stock – Part 1: General service conditions and general rules (IEC 60077-1:1999, MOD; EN 60077-1:2002)
- zamijenjena s: HRN EN 60077-1:2018
- HRN EN 60077-2:2007 en
Željeznički sustav – Električna oprema za željeznička vozila – 2. dio: Elektrotehničke komponente – Opća pravila (IEC 60077-2:1999, MOD; EN 60077-2:2002)
Railway applications – Electric equipment for rolling stock – Part 2: Electrotechnical components – General rules (IEC 60077-2:1999, MOD; EN 60077-2:2002)
- zamijenjena s: HRN EN 60077-2:2018

HZN/TO E44, Elektrotehnička sigurnost strojeva

- HRN EN 60204-11:2002 en
Sigurnost strojeva – Električna oprema strojeva – 11. dio: Zahtjevi za visokonaponsku opremu za izmjenične napone iznad 1000 V ili istosmjerne napone iznad 1500 V koji ne prelaze 36 kV (IEC 60204-11:2000; EN 60204-11:2000)
Safety of machinery – Electrical equipment of machines – Part 11: Requirements for HV equipment for voltages above 1 000 V a.c. or 1 500 V d.c. and not exceeding 36 kV (IEC 60204-11:2000; EN 60204-11:2000)
- zamijenjena s: HRN EN IEC 60204-11:2019
- HRN EN 60204-11:2002/Ispr.1:2011 en
Sigurnost strojeva – Električna oprema strojeva – 11. dio: Zahtjevi za visokonaponsku opremu za izmjenične napone iznad 1000 V ili istosmjerne napone iznad 1500 V koji ne prelaze 36 kV (EN 60204-11:2000/AC:2010)
Safety of machinery – Electrical equipment of machines – Part 11: Requirements for HV equipment for voltages above 1000 V a.c. or 1500 V d.c. and not exceeding 36 kV (EN 60204-11:2000/AC:2010)
- zamijenjena s: HRN EN IEC 60204-11:2019
- HRS CLC/TS 61496-3:2008 en
Sigurnost strojeva – Elektroosjetljiva zaštitna oprema – 3. dio: Posebni zahtjevi za aktivne optoelektroničke zaštitne naprave osjetljive na difuznu refleksiju (IEC 61496-3:2008; CLC/TS 61496-3:2008)
Safety of machinery – Electro-sensitive protective equipment – Part 3: Particular requirements for Active Opto-electronic Protective Devices responsive to Diffuse Reflection (AOPDDR) (IEC 61496-3:2008; CLC/TS 61496-3:2008)
- zamijenjena s: HRN EN IEC 61496-3:2019

HZN/TO E70, Stupnjevi zaštite kućištem

- HRN EN 60529:2000/Ispr.1:2016 en
Stupnjevi zaštite osigurani kućištima (IP-Code) (IEC 60529:1989+am1:1999+am2:2013/Corr.2:2015; EN 60529:1991/AC:2016)
Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989+am1:1999+am2:2013/Corr.2:2015; EN 60529:1991/AC:2016)
- bez zamjene

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 55016-1-4:2012 en
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Antene i ispitna mjesta za mjerenje zračenih smetnja (CISPR 16-1-4:2010+Corr.1:2010; EN 55016-1-4:2010)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2010+Corr.1:2010; EN 55016-1-4:2010)
- zamijenjena s: HRN EN IEC 55016-1-4:2019

HRN EN 55016-1-4:2012/A1:2013 en
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Antene i ispitna mjesta za mjerenje zračenih smetnja (CISPR 16-1-4:2010/am1:2012; EN 55016-1-4:2010/A1:2012)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2010/am1:2012; EN 55016-1-4:2010/A1:2012)
- zamijenjena s: HRN EN IEC 55016-1-4:2019

HRN EN 55016-1-4:2012/A2:2017 en
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Antene i ispitna mjesta za mjerenje zračenih smetnja (CISPR 16-1-4:2010/A2:2017; EN 55016-1-4:2010/A2:2017)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2010/A2:2017; EN 55016-1-4:2010/A2:2017)
- zamijenjena s: HRN EN IEC 55016-1-4:2019

HRN EN 61000-3-2:2014 en
Elektromagnetska kompatibilnost (EMC) – Dio 3-2: Granice – Granice za harmoničke strujne emisije (za ulazne struje uređaja ≤ 16 A po fazi) (IEC 61000-3-2:2014; EN 61000-3-2:2014)
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2:2014; EN 61000-3-2:2014)
- zamijenjena s: HRN EN IEC 61000-3-2:2019

HRN EN 61000-6-1:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 6-1: Norme srodnih područja – Otpornost za stambena, poslovna i lakoindustrijska područja (IEC 61000-6-1:2005; EN 61000-6-1:2007)
Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments (IEC 61000-6-1:2005; EN 61000-6-1:2007)
- zamijenjena s: HRN EN IEC 61000-6-1:2019

HRN EN 61000-6-2:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 6-2: Norme srodnih područja – Otpornost za industrijska područja (IEC 61000-6-2:2005; EN 61000-6-2:2005)
Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments (IEC 61000-6-2:2005; EN 61000-6-2:2005)
- zamijenjena s: HRN EN IEC 61000-6-2:2019

HRN EN 61000-6-2:2008/Ispr.1:2012 en
Elektromagnetska kompatibilnost (EMC) – Dio 6-2: Norme srodnih područja – Otpornost za industrijska područja (EN 61000-6-2:2005/AC:2005)
Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments (EN 61000-6-2:2005/AC:2005)
- zamijenjena s: HRN EN IEC 61000-6-2:2019

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

HRN ISO 788:1999 en
Ultramarinski pigmenti za boje (ISO 788:1974)
Ultramarine pigments for paints (ISO 788:1974)
- zamijenjena s: HRN EN ISO 788:2022

HRN EN ISO 10365:2008 en
Adhezivi – Određenje glavnih modela popuštanja (ISO 10365:1992; EN ISO 10365:1995)
Adhesives – Designation of main failure patterns (ISO 10365:1992; EN ISO 10365:1995)
- zamijenjena s: HRN EN ISO 10365:2022

HRN EN ISO 11339:2010 en
Adhezivi – „T“ ispitivanje ljuštenjem savitljivih slijepjenih spojeva (ISO 11339:2010; EN ISO 11339:2010)
Adhesives – T-peel test for flexible-to-flexible bonded assemblies (ISO 11339:2010; EN ISO 11339:2010)
- zamijenjena s: HRN EN ISO 11339:2022

HRI CR 12471:2010 en
Provjeravanje otpuštanja nikla iz legura i prevlaka u predmetima koji dolaze u izravan i dulji kontakt s kožom (CR 12471:2002)
Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin (CR 12471:2002)
- bez zamjene

HRN EN 13523-9:2014 en
Prevučeni metali u namotajima – Metode ispitivanja – 9. dio: Otpornost na uranjanje u vodu (EN 13523-9:2014)
Coil coated metals – Test methods – Part 9: Resistance to water immersion (EN 13523-9:2014)
- zamijenjena s: HRN EN 13523-9:2022

HRN EN 13523-25:2014 en
Prevučeni metali u namotajima – Metode ispitivanja – 25. dio: Otpornost na vlagu (EN 13523-25:2014)
Coil coated metals – Test methods – Part 25: Resistance to humidity (EN 13523-25:2014)
- zamijenjena s: HRN EN 13523-25:2022

HRN EN 13523-26:2014 en
Prevučeni metali u namotajima – Metode ispitivanja – 26. dio: Otpornost na kondenzaciju vode (EN 13523-26:2014)
Coil coated metals – Test methods – Part 26: Resistance to condensation of water (EN 13523-26:2014)
- zamijenjena s: HRN EN 13523-26:2022

HRN EN 15457:2014 en
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti zaštitnih sredstava protiv gljiva na filmu prekrivnog materijala (EN 15457:2014)
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against fungi (EN 15457:2014)
- zamijenjena s: HRN EN 15457:2022

HRN EN 15458:2014 en
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti zaštitnih sredstava protiv algi na filmu prekrivnog materijala (EN 15458:2014)
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against algae (EN 15458:2014)
- zamijenjena s: HRN EN 15458:2022

HZN/TU I2, Strojarstvo 2

HRN EN 14753:2008 en
Sigurnost strojeva – Sigurnosni zahtjevi za strojeve i opremu za kontinuirani čelični ljev (EN 14753:2007)
Safety of machinery – Safety requirements for machinery and equipment for the continuous casting of steel (EN 14753:2007)
- zamijenjena s: HRN EN 14753:2022

HRN EN 15061:2009 en
Sigurnost strojeva – Sigurnosni zahtjevi za strojeve i opremu proizvodne linije za izradu traka (EN 15061:2007+A1:2008)
Safety of machinery – Safety requirements for strip processing line machinery and equipment (EN 15061:2007+A1:2008)
- zamijenjena s: HRN EN 15061:2022

HRN EN 15093:2008 en
Sigurnost strojeva – Sigurnosni zahtjevi za valjaonice za vruće valjanje plosnatih proizvoda (EN 15093:2008)
Safety of Machinery – Safety requirements for hot flat rolling mills (EN 15093:2008)
- zamijenjena s: HRN EN 15093:2022

HRN EN ISO 23553-1:2014 en

Sigurnosni i upravljački uređaji za uljne plamenike i uređaje za izgaranje ulja – Posebni zahtjevi – 1. dio: Automatski i poluautomatski ventili (ISO 23553-1:2014; EN ISO 23553-1:2014)

Safety and control devices for oil burners and oil burning appliances – Particular requirements – Part 1: Automatic and semi-automatic valves (ISO 23553-1:2014; EN ISO 23553-1:2014)

- zamijenjena s: HRN EN ISO 23553-1:2022

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

HRN EN 455-1:2020 en

Medicinske rukavice za jednokratnu upotrebu – 1. dio: Zahtjevi i ispitivanje na postojanje rupa (EN 455-1:2020)

Medical gloves for single use – Part 1: Requirements and testing for freedom from holes (EN 455-1:2020)

- zamijenjena s: HRN EN 455-1:2022

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

HRN EN 2713-012:2017 en

Zrakoplovstvo – Kabeli, električni, jednožilni i višežilni za opću upotrebu – Radna temperatura između – 55 °C i 200 °C – Dio 012: MNA (jednožilni), MNB (par), MNC (trožilni), MND (četverožilni), porodica kablova – Obloženi posrebljenim bakrenim žicama (spiralno), za ispis UV laserskim pisačem – Norma za proizvod (EN 2713-012:2017) Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between –55 °C and 200 °C – Part 012: MNA (1 core), MNB (pair), MNC (3 cores), MND (4 cores), cables family – Silver plated copper screened (spiral) and jacketed, UV laser printable – Product standard (EN 2713-012:2017)

- zamijenjena s: HRN EN 2713-012:2022

HRN EN 3475-705:2008 en

Nizovi o zrakoplovstvu – Električni kabeli za upotrebu u zrakoplovstvu – Metode ispitivanja – 705. dio: Mjerenje kontrasta (EN 3475-705:2005)

Aerospace series – Cables, electrical, aircraft use – Test methods – Part 705: Contrast measurement (EN 3475-705:2005)

- zamijenjena s: HRN EN 3475-705:2022

1.6 Ispravci hrvatskih norma

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

HZN/TO 44, Zavarivanje i srodni postupci

• umjesto

HRN EN ISO 10675-2:2022

Nerazorno ispitivanje zavara – Razine prihvatljivosti za radiografsko ispitivanje – 2. dio: Aluminij i njegove legure (ISO 10675-2:2021; EN ISO 10675-2:2021)

Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 2: Aluminium and its alloys (ISO 10675-2:2021; EN ISO 10675-2:2021)

• treba biti

HRN EN ISO 10675-2:2022

Nerazorno ispitivanje zavara – Razine prihvatljivosti za radiografsko ispitivanje – 2. dio: Aluminij i njegove legure (ISO 10675-2:2021, **ispravljena verzija 2022-02**; EN ISO 10675-2:2021)

Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 2: Aluminium and its alloys (ISO 10675-2:2021, **Corrected version 2022-02**; EN ISO 10675-2:2021)

HZN/TO 217, Kozmetika

• umjesto

HRN EN ISO 24443:2022

Kozmetika – In vitro određivanje UVA zaštitnih faktora (ISO 24443:2021; EN ISO 24443:2021)

Cosmetics – Determination of sunscreen UVA photoprotection in vitro (ISO 24443:2021; EN ISO 24443:2021)

• treba biti

HRN EN ISO 24443:2022

Kozmetika – In vitro određivanje UVA zaštitnih faktora (ISO 24443:2021, **ispravljena verzija 2022-02**; EN ISO 24443:2021)

Cosmetics – Determination of sunscreen UVA photoprotection in vitro (ISO 24443:2021, **Corrected version 2022-02**; EN ISO 24443:2021)

HZN/TO 531, Plastika i guma

• umjesto

HRN EN ISO 527-4:2022

Plastika – Određivanje rasteznih svojstava – 4. dio: Uvjeti ispitivanja izotropnih i ortotropnih plastičnih kompozita ojačanih vlaknima (ISO 527-4:2021; EN ISO 527-4:2021)

Plastics – Determination of tensile properties – Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2021; EN ISO 527-4:2021)

• treba biti

HRN EN ISO 527-4:2022

Plastika – Određivanje rasteznih svojstava – 4. dio: Uvjeti ispitivanja izotropnih i ortotropnih plastičnih kompozita ojačanih vlaknima (ISO 527-4:2021, **ispravljena verzija 2022-02**; EN ISO 527-4:2021)

Plastics – Determination of tensile properties – Part 4: Test conditions for isotropic and orthotropic fibre-reinforced plastic composites (ISO 527-4:2021, **Corrected version 2022-02**; EN ISO 527-4:2021)

- **umjesto**

HRN EN 13341:2011

Nepomični **termoplastični** spremnici za nadzemno skladištenje **lož** ulja za domaćinstvo, kerozinskog i dizelskog goriva – Polietilenski spremnici proizvedeni upuhivanjem u kalupe i centrifugalnim lijevanjem te spremnici dobiveni centrifugalnim lijevanjem anionskog polimerizacijskog poliamida 6 – Zahtjevi i metode ispitivanja (EN 13341:2005+A1:2011)

Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels – Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 – Requirements and test methods (EN 13341:2005+A1:2011)

- **treba biti**

HRN EN 13341:2011

Nepomični **plastomerni** spremnici za nadzemno skladištenje **loživog** ulja za domaćinstvo, kerozinskog i dizelskog goriva – Polietilenski spremnici proizvedeni upuhivanjem u kalupe i centrifugalnim lijevanjem te spremnici dobiveni centrifugalnim lijevanjem anionskog polimerizacijskog poliamida 6 – Zahtjevi i metode ispitivanja (EN 13341:2005+A1:2011)

Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels – Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 – Requirements and test methods (EN 13341:2005+A1:2011)

HZN/TO 556, *Osobna zaštitna oprema*

- **umjesto**

HRN EN ISO 12311:2013

Osobna zaštitna oprema – **Ispitne metode** za sunčane naočale i očna pomagala (ISO 12311:2013, ispravljena verzija 2014-08-15; EN ISO 12311:2013)

Personal protective equipment – Test methods for sunglasses and related eyewear (ISO 12311:2013, Corrected version 2014-08-15; EN ISO 12311:2013)

- **treba biti**

HRN EN ISO 12311:2013

Osobna zaštitna oprema – **Metode ispitivanja** za sunčane naočale i očna pomagala (ISO 12311:2013, ispravljena verzija 2014-08-15; EN ISO 12311:2013)

Personal protective equipment – Test methods for sunglasses and related eyewear (ISO 12311:2013, Corrected version 2014-08-15; EN ISO 12311:2013)

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

- **umjesto**

HRN EN ISO 4833-2:2013/A1:2022

Mikrobiologija u lancu hrane – Horizontalna metoda za određivanje broja mikroorganizama – 2. dio: Određivanje broja kolonija pri 30 °C tehnikom **zalijevanja** podloge – Amandman 1: Pojašnjenje područja primjene (ISO 4833-2:2013/Amd 1:2022; EN ISO 4833-2:2013/A1:2022)

Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 °C by the surface plating technique – Amendment 1: Clarification of scope (ISO 4833-2:2013/Amd 1:2022; EN ISO 4833-2:2013/A1:2022)

- **treba biti**

HRN EN ISO 4833-2:2013/A1:2022

Mikrobiologija u lancu hrane – Horizontalna metoda za određivanje broja mikroorganizama – 2. dio: Određivanje broja kolonija pri 30 °C tehnikom **nasadijanja na površinu** podloge – Amandman 1: Pojašnjenje područja primjene (ISO 4833-2:2013/Amd 1:2022; EN ISO 4833-2:2013/A1:2022)

Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 °C by the surface plating technique – Amendment 1: Clarification of scope (ISO 4833-2:2013/Amd 1:2022; EN ISO 4833-2:2013/A1:2022)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

HZN/ TU V1, *Elektronika 1*

HRN EN IEC 60793-2-10:2019 en pr

Optička vlakna – Dio 2-10: Specifikacije proizvoda – Sekcijska specifikacija za vlakna kategorije A1 za višestruki način rada (IEC 60793-2-10:2019; EN IEC 60793-2-10:2019)
Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2019; EN IEC 60793-2-10:2019)

HRN EN IEC 61300-2-46:2019 en pr

Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-46: Ispitivanja – Ispitivanje ciklusima vlage i topline (IEC 61300-2-46:2019; EN IEC 61300-2-46:2019)

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-46: Tests – Damp heat, cyclic (IEC 61300-2-46:2019; EN IEC 61300-2-46:2019)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 552, *Društvena odgovornost*

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

HRN EN ISO 26000:2020 hr-en pr-pp

Upute o društvenoj odgovornosti (ISO 26000:2010; EN ISO 26000:2020)
Guidance on social responsibility (ISO 26000:2010; EN ISO 26000:2020)

HZN/TO E9, *Električna oprema za željeznicu*

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

HRN EN 50129:2007 hr-en pr-pp

Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Elektronički sustavi za signalnu tehniku povezani sa sigurnošću (EN 50129:2003)
Railway applications – Communication, signalling and processing systems – Safety related electronic systems for signalling (EN 50129:2003)

HZN/TO E31, *Eksplzivne atmosfere*

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

HRN EN 15198:2008 hr-en pr-pp

Postupci za ocjenu rizika neelektrične opreme i komponenti namijenjenih uporabi u potencijalno eksplozivnim atmosferama (EN 15198:2007)
Methodology for the risk assessment of non-electrical equipment and components for intended use in potentially explosive atmospheres (EN 15198:2007)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 12350-7/AC	Testing fresh concrete – Part 7: Air content – Pressure methods	91.100.30	2022-01
EN 13126-1	Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 1: Requirements common to all types of hardware	91.190	2022-01
EN 13126-4	Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 4: Espagnolettes	91.190	2022-01
EN 13126-13	Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 13: Sash balances	91.190	2022-01
EN 13126-14	Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 14: Sash fasteners	91.190	2022-01
CEN/TR 14061/AC	Fertilizers – Determination of dust content	65.080	2022-01
EN 15967	Determination of maximum explosion pressure and the maximum rate of pressure rise of gases and vapours	13.230	2022-01
CWA 17835	Guidelines for the development and use of safety testing procedures in human-robot collaboration	25.040.30	2022-01
EN ISO 3382-3	Acoustics – Measurement of room acoustic parameters – Part 3: Open plan offices (ISO 3382-3:2022)	91.120.20	2022-01
EN ISO 3501	Plastics piping systems – Mechanical joints between fittings and pressure pipes – Test method for resistance to pull-out under constant longitudinal force (ISO 3501:2021)	23.040.60	2022-01
EN ISO 4833-1/A1	Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 1: Colony count at 30 °C by the pour plate technique – Amendment 1: Clarification of scope (ISO 4833-1:2013/Amd 1:2022)	07.100.30	2022-01
EN ISO 4833-2/A1	Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 °C by the surface plating technique – Amendment 1: Clarification of scope (ISO 4833-2:2013/Amd 1:2022)	07.100.30	2022-01
EN ISO 8222/A1	Petroleum measurement systems – Calibration – Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials) – Amendment 1: Correction of two typographical errors (ISO 8222:2020/Amd 1:2022)	75.180.30	2022-01
EN ISO 8611-1	Pallets for materials handling – Flat pallets – Part 1: Test methods (ISO 8611-1:2021)	55.180.20	2022-01
EN ISO 8611-2	Pallets for materials handling – Flat pallets – Part 2: Performance requirements and selection of tests (ISO 8611-2:2021)	55.180.20	2022-01
CEN ISO/TR 9241-393	Ergonomics of human-system interaction – Part 393: Structured literature review of visually induced motion sickness during watching electronic images (ISO/TR 9241-393:2020)	13.180	2022-01
EN ISO 9713	Neurosurgical implants – Self-closing intracranial aneurysm clips (ISO 9713:2022)	11.040.40	2022-01
EN ISO 10993-7/A1	Biological evaluation of medical devices – Part 7: Ethylene oxide sterilization residuals – Amendment 1: Applicability of allowable limits for neonates and infants (ISO 10993-7:2008/Amd 1:2019)	11.100.20	2022-01
EN ISO 11114-5	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 5: Test methods for evaluating plastic liners (ISO 11114-5:2022)	23.020.35	2022-01
EN ISO 12179	Geometrical product specifications (GPS) – Surface texture: Profile method – Calibration of contact (stylus) instruments (ISO 12179:2021)	17.040.30	2022-01
EN ISO 16486-4	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 4: Valves (ISO 16486-4:2022)	75.200; 83.140.30	2022-01
EN ISO 16559	Solid biofuels – Vocabulary (ISO 16559:2022)	01.040.27; 01.040.75; 27.190; 75.160.40	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 17463	Paints and varnishes – Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique (ISO 17463:2022)	87.040	2022-01
EN ISO 17962/A1	Agricultural machinery – Equipment for sowing – Minimization of the environmental effects of fan exhaust from pneumatic systems – Amendment 1 (ISO 17962:2015/Amd 1:2021)	65.060.30	2022-01
EN ISO 20776-2	Clinical laboratory testing and in vitro diagnostic test systems – Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices – Part 2: Evaluation of performance of antimicrobial susceptibility test devices against reference broth micro-dilution (ISO 20776-2:2021)	11.100.20	2022-01
EN ISO 21363	Nanotechnologies – Measurements of particle size and shape distributions by transmission electron microscopy (ISO 21363:2020)	07.120	2022-01
EN ISO 21920-1	Geometrical product specifications (GPS) – Surface texture: Profile – Part 1: Indication of surface texture (ISO 21920-1:2021)	17.040.40	2022-01
EN ISO 21920-2	Geometrical product specifications (GPS) – Surface texture: Profile – Part 2: Terms, definitions and surface texture parameters (ISO 21920-2:2021)	01.040.17; 17.040.40	2022-01
EN ISO 21920-3	Geometrical product specifications (GPS) – Surface texture: Profile – Part 3: Specification operators (ISO 21920-3:2021)	17.040.40	2022-01
EN ISO 22044	Commercial beverage coolers – Classification, requirements and test conditions (ISO 22044:2021)	97.130.20	2022-01
CEN ISO/TS 24283-1	Geotechnical investigation and testing – Qualification criteria and assessment – Part 1: Qualified technician and qualified operator (ISO/TS 24283-1:2022)	03.100.30; 93.020	2022-01
CEN ISO/TS 24283-2	Geotechnical investigation and testing – Qualification criteria and assessment – Part 2: Responsible expert (ISO/TS 24283-2:2022)	03.100.30; 93.020	2022-01
CEN ISO/TS 24283-3	Geotechnical investigation and testing – Qualification criteria and assessment – Part 3: Qualified enterprise (ISO/TS 24283-3:2022)	03.100.30; 93.020	2022-01
EN ISO 25178-2	Geometrical product specifications (GPS) – Surface texture: Areal – Part 2: Terms, definitions and surface texture parameters (ISO 25178-2:2021)	17.040.20	2022-01

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TR 17603-20-06	Space engineering – Assessment of space worst case charging handbook	49.140	2022-01
CEN/TR 17603-20-07	Space engineering – Electromagnetic compatibility handbook	49.140	2022-01
CEN/TR 17603-20-20	Space engineering – Guidelines for electrical design and interface requirements for power supply	49.140	2022-01
CEN/TR 17603-20-21	Space engineering – Guidelines for electrical design and interface requirements for actuators	49.140	2022-01
CEN/TR 17603-31-17	Space engineering – Thermal analysis handbook	49.140	2022-01
CEN/TR 17603-32-01	Space engineering – Structural materials handbook – Part 1: Overview and material properties and applications	49.140	2022-01
CEN/TR 17603-32-02	Space engineering – Structural materials handbook – Part 2: Design calculation methods and general design aspects	49.140	2022-01
CEN/TR 17603-32-03	Space engineering – Structural materials handbook – Part 3: Load transfer and design of joints and design of structures	49.140	2022-01
CEN/TR 17603-32-04	Space engineering – Structural materials handbook – Part 4: Integrity control, verification guidelines and manufacturing	49.140	2022-01
CEN/TR 17603-32-05	Space engineering – Structural materials handbook – Part 5: New advanced materials, advanced metallic materials, general design aspects and load transfer and design of joints	49.140	2022-01
CEN/TR 17603-32-06	Space engineering – Structural materials handbook – Part 6: Fracture and material modelling, case studies and design and integrity control and inspection	49.140	2022-01
CEN/TR 17603-32-07	Space engineering – Structural materials handbook – Part 7: Thermal and environmental integrity, manufacturing aspects, in-orbit and health monitoring, soft materials, hybrid materials and nanotechnologies	49.140	2022-01
CEN/TR 17603-32-08	Space engineering – Structural materials handbook – Part 8: Glossary	49.140	2022-01
FprCEN/TR 17603-32-22	Space engineering – Insert design handbook	49.140	2022-01
CEN/TR 17603-60	Space engineering – Control engineering handbook	49.140	2022-01
CEN/TR 17603-60-10	Space engineering – Control performance guidelines	49.140	2022-01
CLC/TS 50238-3	Railway applications – Compatibility between rolling stock and train detection systems – Part 3: Compatibility with axle counters	29.280; 45.060.10	2022-01
EN IEC 60749-39	Semiconductor devices – Mechanical and climatic test methods – Part 39: Measurement of moisture diffusivity and water solubility in organic materials used for semiconductor components (IEC 60749-39:2021)	31.080.01; 31.240	2022-01
EN IEC 60794-1-219	Optical fibre cables – Part 1-219: Generic specification – Basic optical cable test procedures – Material compatibility test, method F19 (IEC 60794-1-219:2021)	33.180.10	2022-01
EN 61000-3-3/A2/AC	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection (IEC 61000-3-3:2013/A2:2021/COR1:2022)	33.100.10; 33.100.20	2022-01
EN 61400-13/A1	Wind turbines – Part 13: Measurement of mechanical loads (IEC 61400-13:2015/AMD1:2021)	27.180	2022-01
EN IEC 61439-1/AC	Low-voltage switchgear and controlgear assemblies – Part 1: General rules (IEC 61439-1:2020/COR1:2021)	29.130.20	2022-01
EN IEC 61557-12	Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC – Equipment for testing, measuring or monitoring of protective measures – Part 12: Power metering and monitoring devices (PMD) (IEC 61557-12:2018)	17.220.20; 29.080.01; 29.240.01	2022-01
EN IEC 61557-12/A1	Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC – Equipment for testing, measuring or monitoring of protective measures – Part 12: Power metering and monitoring devices (PMD) (IEC 61557-12:2018/A1:2021)	17.220.20; 29.080.01; 29.240.01	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 62037-6	Passive RF and microwave devices, intermodulation level measurement – Part 6: Measurement of passive intermodulation in antennas (IEC 62037-6:2021)	33.040.20; 33.120.30	2022-01
EN 62133-2/A1/AC	Secondary cells and batteries containing alkaline or other non- acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications – Part 2: Lithium systems (IEC 62133-2:2017/A1:2021/COR1:2021)	29.220.30	2022-01
EN IEC 62271-100/AC	High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2021/COR1:2021)	29.130.10	2022-01
EN IEC 63174	Electrically operated toothbrushes – Methods for measuring the performance (IEC 63174:2021)	97.030; 97.170	2022-01
EN IEC 63182-4	Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 4: Block-cores (IEC 63182-4:2021)	29.100.10	2022-01
EN IEC 63182-5	Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 5: Cylinder-cores (IEC 63182-5:2021)	29.100.10	2022-01
EN ISO/IEC 27007	Information security, cybersecurity and privacy protection – Guidelines for information security management systems auditing (ISO/IEC 27007:2020)	03.120.20; 35.030	2022-01

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 101154 V 2.7.1	Digital Video Broadcasting (DVB) – Specification for the use of Video and Audio Coding in Broadcast and Broadband Applications	33.170	2022-01
ETSI TS 102165-1 V 5.2.5	CYBER – Methods and protocols – Part 1: Method and pro forma for Threat, Vulnerability, Risk Analysis (TVRA)	33.040.99; 35.030	2022-01
ETSI TS 102694-1 V 12.0.0	Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 1: Terminal features (Release 12)	35.240.15	2022-01
ETSI TS 102694-1 V 13.0.0	Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 1: Terminal features (Release 13)	35.240.15	2022-01
ETSI TS 102694-1 V 14.0.0	Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 1: Terminal features (Release 14)	35.240.15	2022-01
ETSI TS 102694-1 V 15.0.0	Smart Cards – Test specification for the Single Wire Protocol (SWP) interface – Part 1: Terminal features (Release 15)	35.240.15	2022-01
ETSI TS 103096-1 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS Security – Part 1: Protocol Implementation Conformance Statement (PICS)	35.240.60	2022-01
ETSI TS 103096-2 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS Security – Part 2: Test Suite Structure and Test Purposes (TSS & TP)	35.240.60	2022-01
ETSI TS 103096-3 V 1.5.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS Security – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT)	35.240.60	2022-01
ETSI TS 103286-2 V 1.3.1	Digital Video Broadcasting (DVB) – Companion Screens and Streams – Part 2: Content Identification and Media Synchronization	33.170	2022-01
ETSI TS 103464 V 1.3.1	Hybrid Broadcast Broadband TV – Application Discovery over Broadband	33.170	2022-01
ETSI TS 103465 V 15.3.0	Smart Cards – Smart Secure Platform (SSP) – Requirements Specification (Release 15)	35.240.15	2022-01
ETSI TS 103465 V 16.6.0	Smart Secure Platform (SSP) – Requirements Specification (Release 16)	35.240.15	2022-01
ETSI TS 103525-1 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 1: Protocol Implementation Conformance Statement (PICS)	35.240.60	2022-01
ETSI TS 103525-2 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 2: Test Suite Structure and Test Purposes (TSS & TP)	35.240.60	2022-01
ETSI TS 103525-3 V 1.2.1	Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 3: Abstract Test Suite (ATS) and Protocol Implementation eXtra Information for Testing (PIXIT)	35.240.60	2022-01
ETSI TR 103614 V 1.1.1	Electromagnetic compatibility and Radio spectrum Matters (ERM) – Hearing Loop System (HLS) intended to assist the hearing impaired in the frequency range 0 Hz to 9 kHz – System Reference Document	33.100.10	2022-01
ETSI TS 103643 V 1.2.1	Techniques for assurance of digital material used in legal proceedings Assuring digital material	33.040.99; 35.030	2022-01
ETSI TS 103653-1 V 2.1.1	Core Network and Interoperability Testing (INT) – VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments – (3GPPTM Release 15) – Part 1: Test Purposes (TP) and Protocol Implementation Conformance Statement (PICS) for VoLTE/ViLTE interoperability	33.040.99	2022-01
ETSI TS 103653-2 V 2.1.1	Core Network and Interoperability Testing (INT) – VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments – (3GPPTM Release 15) – Part 2: Test Descriptions for VoLTE/ViLTE interoperability	33.040.99	2022-01
ETSI TS 103653-3 V 2.1.1	Core Network and Interoperability Testing (INT) – VoLTE/ViLTE interoperability test description over 4G/early 5G in physical/virtual environments – (3GPPTM Release 15) – Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) for VoLTE/ViLTE interoperability	33.040.99	2022-01

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ETSI TS 103706 V 1.1.1	Digital Enhanced Cordless Telecommunications (DECT) – Advanced Audio Profile	33.070.30	2022-01
ETSI TS 103713 V 15.6.1	Smart Secure Platform (SSP) – SPI interface (Release 15)	35.240.15	2022-01
ETSI TR 103773 V 1.1.1	Report to analyse the possibilities to develop reference documents for methods of measurements for radio standards in ETSI	33.040.01	2022-01
ETSI TR 103838 V 1.1.1	Cyber Security – Guide to Coordinated Vulnerability Disclosure	33.040.99; 35.030	2022-01
ETSI TR 121916 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Release 16 Description – Summary of Rel-16 Work Items (3GPP TR 21.916 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 122261 V 16.16.0	5G – Service requirements for the 5G system (3GPP TS 22.261 version 16.16.0 Release 16)	33.070.50	2022-01
ETSI TS 123003 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 15.11.0 Release 15)	33.070.50	2022-01
ETSI TS 123003 V 16.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 123032 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Universal Geographical Area Description (GAD) (3GPP TS 23.032 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 123203 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and charging control architecture (3GPP TS 23.203 version 16.3.0 Release 16)	33.070.50	2022-01
ETSI TS 123228 V 14.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 14.7.0 Release 14)	33.070.50	2022-01
ETSI TS 123228 V 15.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 15.5.0 Release 15)	33.070.50	2022-01
ETSI TS 123228 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 123273 V 16.9.0	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 16.9.0 Release 16)	33.070.50	2022-01
ETSI TS 123283 V 16.6.0	LTE – Mission Critical Communication Interworking with Land Mobile Radio Systems (3GPP TS 23.283 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 123287 V 16.6.0	5G – Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 16.6.0 Release 16)	33.070.50	2022-01
ETSI TS 123288 V 16.10.0	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 123401 V 16.12.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.12.0 Release 16)	33.070.50	2022-01
ETSI TS 123501 V 16.11.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 123502 V 16.11.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 123503 V 16.11.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.11.0 Release 16)	33.070.50	2022-01

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ETSI TS 124080 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface layer 3 supplementary services specification – Formats and coding (3GPP TS 24.080 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 124281 V 14.12.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 14.12.0 Release 14)	33.070.99	2022-01
ETSI TS 124281 V 15.11.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 15.11.0 Release 15)	33.070.99	2022-01
ETSI TS 124281 V 16.7.0	LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 124371 V 14.11.0	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 14.11.0 Release 14)	33.070.99	2022-01
ETSI TS 124371 V 15.5.0	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 15.5.0 Release 15)	33.070.99	2022-01
ETSI TS 124371 V 16.3.0	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 16.3.0 Release 16)	33.070.99	2022-01
ETSI TS 124379 V 13.18.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 13.18.0 Release 13)	33.070.99	2022-01
ETSI TS 124379 V 14.14.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 14.14.0 Release 14)	33.070.99	2022-01
ETSI TS 124379 V 15.13.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 15.13.0 Release 15)	33.070.99	2022-01
ETSI TS 124379 V 16.11.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 16.11.0 Release 16)	33.070.99	2022-01
ETSI TS 124380 V 13.14.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.14.0 Release 13)	33.070.99	2022-01
ETSI TS 124380 V 14.12.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 14.12.0 Release 14)	33.070.99	2022-01
ETSI TS 124380 V 15.9.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 15.9.0 Release 15)	33.070.99	2022-01
ETSI TS 124380 V 16.8.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 124519 V 16.4.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.4.0 Release 16)	33.070.99	2022-01
ETSI TS 124571 V 16.3.0	5G – 5G System (5GS) – Control plane Location Services (LCS) procedures – Stage 3 (3GPP TS 24.571 version 16.3.0 Release 16)	33.070.50; 33.070.99	2022-01
ETSI TS 124581 V 14.8.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 14.8.0 Release 14)	33.070.99	2022-01
ETSI TS 124581 V 16.7.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 124587 V 16.7.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 126116 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Television (TV) over 3GPP services – Video profiles (3GPP TS 26.116 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 126442 V 12.15.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 12.15.0 Release 12)	33.070.50	2022-01

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ETSI TS 126442 V 13.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 13.10.0 Release 13)	33.070.50	2022-01
ETSI TS 126442 V 14.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 14.6.0 Release 14)	33.070.50	2022-01
ETSI TS 126442 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 15.4.0 Release 15)	33.070.50	2022-01
ETSI TS 126442 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 126443 V 12.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 12.14.0 Release 12)	33.070.50	2022-01
ETSI TS 126443 V 13.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 13.10.0 Release 13)	33.070.50	2022-01
ETSI TS 126443 V 14.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 14.6.0 Release 14)	33.070.50	2022-01
ETSI TS 126443 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 15.4.0 Release 15)	33.070.50	2022-01
ETSI TS 126443 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 16.3.0 Release 16)	33.070.50	2022-01
ETSI TS 126444 V 12.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 12.14.0 Release 12)	33.070.50	2022-01
ETSI TS 126444 V 13.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 13.9.0 Release 13)	33.070.50	2022-01
ETSI TS 126444 V 14.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 14.6.0 Release 14)	33.070.50	2022-01
ETSI TS 126444 V 15.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 15.4.0 Release 15)	33.070.50	2022-01
ETSI TS 126444 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 126452 V 16.4.0	5G – Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code – Alternative fixed-point using updated basic operators (3GPP TS 26.452 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 126501 V 16.9.0	5G – 5G Media Streaming (5GMS) – General description and architecture (3GPP TS 26.501 version 16.9.0 Release 16)	33.070.50	2022-01
ETSI TS 128310 V 16.6.0	5G – LTE – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.6.0 Release 16)	33.070.50	2022-01
ETSI TS 128313 V 16.2.0	5G – Management and orchestration – Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 16.2.0 Release 16)	33.070.50	2022-01
ETSI TS 128405 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Quality of Experience (QoE) measurement collection – Control and configuration (3GPP TS 28.405 version 16.2.0 Release 16)	33.070.50	2022-01
ETSI TS 128530 V 16.5.0	5G – Management and orchestration – Concepts, use cases and requirements (3GPP TS 28.530 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 128531 V 16.12.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 16.12.0 Release 16)	33.070.50	2022-01
ETSI TS 128532 V 16.10.0	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 128533 V 15.6.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 15.6.0 Release 15)	33.070.50	2022-01

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ETSI TS 128533 V 16.8.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 128535 V 16.5.0	5G – LTE – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 128552 V 16.12.0	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.12.0 Release 16)	33.070.50	2022-01
ETSI TS 128622 V 15.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 15.6.0 Release 15)	33.070.50	2022-01
ETSI TS 128622 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 128623 V 16.10.0	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 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 129010 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Information element mapping between Mobile Station – Base Station System (MS – BSS) and Base Station System – Mobile-services Switching Centre (BSS – MSC) – Signalling Procedures and the Mobile Application Part (MAP) (3GPP TS 29.010 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 129061 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 129171 V 16.3.0	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 16.3.0 Release 16)	33.070.50	2022-01
ETSI TS 129214 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 15.10.0 Release 15)	33.070.50	2022-01
ETSI TS 129214 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Policy and charging control over Rx reference point (3GPP TS 29.214 version 16.6.0 Release 16)	33.070.50	2022-01
ETSI TS 129274 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunneling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 129500 V 16.10.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129502 V 16.10.0	5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129503 V 15.10.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 15.10.0 Release 15)	33.070.99	2022-01
ETSI TS 129503 V 16.10.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129504 V 15.9.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 15.9.0 Release 15)	33.070.99	2022-01
ETSI TS 129504 V 16.10.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 16.10.0 Release 16)	33.070.99	2022-01

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ETSI TS 129505 V 15.8.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 15.8.0 Release 15)	33.070.99	2022-01
ETSI TS 129505 V 16.9.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 16.9.0 Release 16)	33.070.99	2022-01
ETSI TS 129507 V 16.10.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129508 V 15.10.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 15.10.0 Release 15)	33.070.99	2022-01
ETSI TS 129508 V 16.10.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129510 V 16.10.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129512 V 16.11.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 16.11.0 Release 16)	33.070.99	2022-01
ETSI TS 129514 V 16.11.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 16.11.0 Release 16)	33.070.99	2022-01
ETSI TS 129515 V 16.7.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 129518 V 15.12.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 15.12.0 Release 15)	33.070.99	2022-01
ETSI TS 129518 V 16.10.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129519 V 16.9.0	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 16.9.0 Release 16)	33.070.99	2022-01
ETSI TS 129521 V 16.9.0	5G – 5G System – Binding Support Management Service – Stage 3 (3GPP TS 29.521 version 16.9.0 Release 16)	33.070.99	2022-01
ETSI TS 129523 V 16.6.0	5G – 5G System – Policy Control Event Exposure Service – Stage 3 (3GPP TS 29.523 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 129526 V 16.6.0	5G – 5G System – Network Slice-Specific Authentication and Authorization (NSSAA) services – Stage 3 (3GPP TS 29.526 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 129549 V 16.4.0	5G – LTE – Service Enabler Architecture Layer for Verticals (SEAL) – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.549 version 16.4.0 Release 16)	33.070.99	2022-01
ETSI TS 129551 V 15.11.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 15.11.0 Release 15)	33.070.99	2022-01
ETSI TS 129551 V 16.10.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129562 V 16.7.0	5G – 5G System – Home Subscriber Server (HSS) services – Stage 3 (3GPP TS 29.562 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 129571 V 16.10.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 129673 V 16.7.0	LTE – 5G – 5G System – UE radio capability management services – Stage 3 (3GPP TS 29.673 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 131102 V 16.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.9.0 Release 16)	33.070.50	2022-01
ETSI TS 131111 V 16.5.0	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 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 132158 V 16.5.0	LTE – 5G – Management and orchestration – Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 132255 V 16.11.0	5G – Telecommunication management – Charging management – 5G data connectivity domain charging – Stage 2 (3GPP TS 32.255 version 16.11.0 Release 16)	33.070.50	2022-01

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ETSI TS 132290 V 16.10.0	5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 132291 V 16.10.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 132298 V 16.10.0	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 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 132421 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 16.2.0 Release 16)	33.070.50	2022-01
ETSI TS 132422 V 16.8.0	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 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 132423 V 16.5.0	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 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 133116 V 14.2.0	LTE – Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 14.2.0 Release 14)	33.070.50	2022-01
ETSI TS 133116 V 15.1.0	LTE – Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 15.1.0 Release 15)	33.070.50	2022-01
ETSI TS 133116 V 16.1.0	LTE – Security Assurance Specification (SCAS) for the MME network product class (3GPP TS 33.116 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 133127 V 16.10.0	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 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 133128 V 16.9.0	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 16.9.0 Release 16)	33.070.50	2022-01
ETSI TS 133180 V 15.11.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 15.11.0 Release 15)	33.070.50	2022-01
ETSI TS 133180 V 16.8.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 133501 V 16.9.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.9.0 Release 16)	33.070.50	2022-01
ETSI TS 133512 V 16.6.0	5G – 5G Security Assurance Specification (SCAS) – Access and Mobility management Function (AMF) (3GPP TS 33.512 version 16.6.0 Release 16)	33.070.50	2022-01
ETSI TR 133916 V 14.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 14.4.0 Release 14)	33.070.50	2022-01
ETSI TR 133916 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 15.2.0 Release 15)	33.070.50	2022-01
ETSI TR 133916 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Security Assurance Methodology (SECAM) for 3GPP network products (3GPP TR 33.916 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 134229-1 V 15.10.0	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 15.10.0 Release 15)	33.070.50	2022-01

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ETSI TS 134229-1 V 16.0.0	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 16.0.0 Release 16)	33.070.50	2022-01
ETSI TS 134229-2 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 15.9.0 Release 15)	33.070.50	2022-01
ETSI TS 134229-2 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 134229-3 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 134229-5 V 15.6.0	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 15.6.0 Release 15)	33.070.50	2022-01
ETSI TS 134229-5 V 16.1.0	5G – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 5: Protocol conformance specification using 5G System (5GS) (3GPP TS 34.229-5 version 16.1.0 Release 16)	33.070.50	2022-01
ETSI TS 136212 V 15.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 15.15.0 Release 15)	33.070.50	2022-01
ETSI TS 136212 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 136300 V 16.7.0	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 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 136304 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.6.0 Release 16)	33.070.50	2022-01
ETSI TS 136306 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 15.11.0 Release 15)	33.070.50	2022-01
ETSI TS 136306 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 136323 V 15.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 15.7.0 Release 15)	33.070.50	2022-01
ETSI TS 136323 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.5.0 Release 16)	33.070.50	2022-01
ETSI TS 136331 V 15.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.16.0 Release 15)	33.070.50	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136331 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 136413 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 136423 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 15.12.0 Release 15)	33.070.50	2022-01
ETSI TS 136423 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 16.8.0 Release 16)	33.070.50	2022-01
ETSI TS 136508 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 136521-1 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 136521-2 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 136523-2 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 136523-3 V 16.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 16.11.0 Release 16)	33.070.50	2022-01
ETSI TS 136579-3 V 13.2.0	LTE – Mission Critical (MC) services over LTE – Part 3: Mission Critical Push To Talk (MCPTT) Server Application conformance specification (3GPP TS 36.579-3 version 13.2.0 Release 13)	33.070.99	2022-01
ETSI TS 136579-4 V 14.7.0	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 14.7.0 Release 14)	33.070.99	2022-01
ETSI TS 136579-4 V 15.2.0	LTE – Mission Critical (MC) services over LTE – Part 4: Test Applicability and Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.579-4 version 15.2.0 Release 15)	33.070.99	2022-01
ETSI TS 136579-5 V 14.5.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.5.0 Release 14)	33.070.99	2022-01
ETSI TS 136579-6 V 14.3.0	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 14.3.0 Release 14)	33.070.99	2022-01
ETSI TS 136579-7 V 15.1.0	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 15.1.0 Release 15)	33.070.99	2022-01
ETSI TR 136905 V 16.8.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 137213 V 16.7.0	LTE – 5G – Physical layer procedures for shared spectrum channel access (3GPP TS 37.213 version 16.7.0 Release 16)	33.070.99	2022-01

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ETSI TS 137320 V 16.7.0	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 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 137340 V 15.15.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.15.0 Release 15)	33.070.99	2022-01
ETSI TS 137340 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 137355 V 16.7.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 137473 V 16.7.0	LTE – 5G – W1 interface – Application Protocol (W1AP) (3GPP TS 37.473 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TS 137571-2 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 137571-3 V 16.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.10.0 Release 16)	33.070.50	2022-01
ETSI TS 137571-4 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 16.4.0 Release 16)	33.070.50	2022-01
ETSI TS 137571-5 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 16.7.0 Release 16)	33.070.50	2022-01
ETSI TR 137901-5 V 16.6.0	5G – Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 138202 V 16.3.0	5G – NR – Services provided by the physical layer (3GPP TS 38.202 version 16.3.0 Release 16)	33.070.99	2022-01
ETSI TS 138211 V 15.10.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 15.10.0 Release 15)	33.070.99	2022-01
ETSI TS 138211 V 16.8.0	5G – NR – Physical channels and modulation (3GPP TS 38.211 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138212 V 15.13.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 15.13.0 Release 15)	33.070.99	2022-01
ETSI TS 138212 V 16.8.0	5G – NR – Multiplexing and channel coding (3GPP TS 38.212 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138213 V 16.8.0	5G – NR – Physical layer procedures for control (3GPP TS 38.213 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138214 V 15.15.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 15.15.0 Release 15)	33.070.99	2022-01
ETSI TS 138214 V 16.8.0	5G – NR – Physical layer procedures for data (3GPP TS 38.214 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138300 V 16.8.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138304 V 16.7.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 138305 V 16.7.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 138306 V 15.16.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.16.0 Release 15)	33.070.99	2022-01
ETSI TS 138306 V 16.7.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 138321 V 16.7.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.7.0 Release 16)	33.070.99	2022-01

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ETSI TS 138323 V 16.6.0	5G – NR – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 38.323 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 138331 V 15.16.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.16.0 Release 15)	33.070.99	2022-01
ETSI TS 138331 V 16.7.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.7.0 Release 16)	33.070.99	2022-01
ETSI TS 138401 V 16.8.0	5G – NG-RAN – Architecture description (3GPP TS 38.401 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138413 V 16.8.0	5G – NG-RAN – NG Application Protocol (NGAP) (3GPP TS 38.413 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138415 V 16.6.0	5G – NG-RAN – PDU session user plane protocol (3GPP TS 38.415 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 138423 V 15.14.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 15.14.0 Release 15)	33.070.99	2022-01
ETSI TS 138423 V 16.8.0	5G – NG-RAN – Xn Application Protocol (XnAP) (3GPP TS 38.423 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138455 V 16.6.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.6.0 Release 16)	33.070.99	2022-01
ETSI TS 138460 V 16.4.0	5G – NG-RAN – E1 general aspects and principles (3GPP TS 38.460 version 16.4.0 Release 16)	33.070.99	2022-01
ETSI TS 138463 V 16.8.0	5G – NG-RAN – E1 Application Protocol (E1AP) (3GPP TS 38.463 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138473 V 15.16.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 15.16.0 Release 15)	33.070.99	2022-01
ETSI TS 138473 V 16.8.0	5G – NG-RAN – F1 Application Protocol (F1AP) (3GPP TS 38.473 version 16.8.0 Release 16)	33.070.99	2022-01
ETSI TS 138509 V 16.3.0	5G – LTE – 5GS – Special conformance testing functions for User Equipment (UE) (3GPP TS 38.509 version 16.3.0 Release 16)	33.070.99	2022-01
ETSI TS 138523-2 V 16.10.0	5G – LTE – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TS 138523-3 V 16.4.0	5G – LTE – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 16.4.0 Release 16)	33.070.99	2022-01
ETSI TS 138533 V 16.10.0	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 16.10.0 Release 16)	33.070.99	2022-01
ETSI TR 138903 V 16.10.1	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.10.1 Release 16)	33.070.99	2022-01
ETSI GS F5G 004 V 1.1.1	Fifth Generation Fixed Network (F5G) – F5G Network Architecture	33.070.99; 35.110	2022-01
ETSI GR MEC 001 V 3.1.1	Multi-access Edge Computing (MEC) – Terminology	01.040.33; 01.040.35; 33.070.99; 35.110	2022-01
ETSI GR SAI 001 V 1.1.1	Securing Artificial Intelligence (SAI) – AI Threat Ontology	35.030; 35.240.01	2022-01
ETSI GR ZSM 004 V 2.1.1	Zero-touch network and Service Management (ZSM) – Landscape	35.110	2022-01
ETSI GS MEC 002 V 2.2.1	Multi-access Edge Computing (MEC) – Phase 2: Use Cases and Requirements	33.070.99	2022-01
ETSI GS MEC 013 V 2.2.1	Multi-access Edge Computing (MEC) – Location API	33.070.99	2022-01
ETSI GS MEC 029 V 2.2.1	Multi-access Edge Computing (MEC) – Fixed Access Information API	33.070.99	2022-01
ETSI GS NFV-IFA 005 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Or-Vi reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 006 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Vi-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 007 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Or-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-01

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ETSI GS NFV-IFA 008 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Ve-Vnfm reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 010 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Functional requirements specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 011 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – VNF Descriptor and Packaging Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 013 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Os-Ma-nfvo reference point – Interface and Information Model Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 014 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Network Service Templates Specification	33.040.40; 35.110	2022-01
ETSI GS NFV-IFA 027 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Performance Measurements Specification	35.110	2022-01
ETSI GS NFV-IFA 030 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Multiple Administrative Domain Aspect Interfaces Specification	35.110	2022-01
ETSI GS NFV-IFA 031 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Requirements and interfaces specification for management of NFV-MANO	35.110	2022-01
ETSI GS NFV-IFA 032 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Management and Orchestration – Interface and Information Model Specification for Multi-Site Connectivity Services	35.110	2022-01
ETSI GS NFV-SOL 001 V 4.2.1	Network Functions Virtualisation (NFV) Release 4 – Protocols and Data Models – NFV descriptors based on TOSCA specification	35.110	2022-01
ETSI GS NFV-SOL 003 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – RESTful protocols specification for the Or-Vnfm Reference Point	33.040.40; 35.110	2022-01
ETSI GS NFV-SOL 004 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – VNF Package and PNFD Archive specification	33.040.40; 35.110	2022-01
ETSI GS NFV-SOL 014 V 3.6.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – YAML data model specification for descriptor-based virtualised resource management	35.110	2022-01

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 683-3	Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels	77.140.10; 77.140.20	2022-01
ISO 1888	Textile glass – Staple fibres or filaments – Determination of average diameter	59.100.10	2022-01
ISO 3382-3	Acoustics – Measurement of room acoustic parameters – Part 3: Open plan offices	91.120.20	2022-01
ISO 4135	Anaesthetic and respiratory equipment – Vocabulary	01.040.11; 11.040.10	2022-01
ISO 4384-2	Plain bearings – Hardness testing of bearing metals – Part 2: Solid materials	21.100.10	2022-01
ISO 4443	Cryolite primarily used for the production of aluminium – Determination of elements – Wavelength-dispersive X-ray fluorescence spectrometric method using pressed powder tablets	71.100.10	2022-01
ISO 4657	Assessment specification of coalbed methane resources	73.020	2022-01
ISO 4761	Non-destructive testing of welds – Phased array ultrasonic testing (UT-PA) for thin-walled steel components – Acceptance levels	25.160.40	2022-01
ISO 4784	Building and civil engineering sealants – Determination of surface cure time	91.100.50	2022-01
ISO 4833-1 AMD 1	Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 1: Colony count at 30 °C by the pour plate technique – Amendment 1: Clarification of scope	07.100.30	2022-01
ISO 4833-2 AMD 1	Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 °C by the surface plating technique – Amendment 1: Clarification of scope	07.100.30	2022-01
ISO 6405-1 AMD 1	Earth-moving machinery – Symbols for operator controls and other displays – Part 1: Common symbols – Amendment 1: Additional symbols	01.080.20; 53.100	2022-01
ISO 7010 AMD 5	Graphical symbols – Safety colours and safety signs – Registered safety signs; Amendment 5	01.080.10; 01.080.20	2022-01
ISO/TR 7262	Natural gas – Coalbed methane quality designation and the applicability of ISO/TC 193 current standards	75.060	2022-01
ISO 8222 AMD 1	Petroleum measurement systems – Calibration – Volumetric measures, proving tanks and field measures (including formulae for properties of liquids and materials) – Amendment 1: Correction of two typographical errors	75.180.30	2022-01
ISO 8253-3	Acoustics – Audiometric test methods – Part 3: Speech audiometry	13.140	2022-01
ISO 8985	Plastics – Ethylene/vinyl acetate copolymer (EVAC) thermoplastics – Determination of vinyl acetate content	83.080.20	2022-01
ISO 9177-3	Mechanical pencils for technical drawings – Part 3: Black leads – Bending strengths of HB leads	01.100.40; 97.180	2022-01
ISO 9528	Aerospace – Standard-weight polytetrafluoroethylene (PTFE) hose assemblies, classification 204 °C/21000 kPa – Procurement specification	49.080; 83.140.40	2022-01
ISO 9713	Neurosurgical implants – Self-closing intracranial aneurysm clips	11.040.40	2022-01
ISO 9938	Aerospace – Polytetrafluoroethylene (PTFE) hose assemblies, classification 204 °C/28000 kPa – Procurement specification	49.080; 83.140.40	2022-01
ISO 10087	Small craft – Craft identification – Coding system	47.080	2022-01
ISO/TS 10303-4000	Industrial automation systems and integration – Product data representation and exchange – Part 4000: Core model	25.040.40; 35.240.50	2022-01
ISO 10365	Adhesives – Designation of main failure patterns	83.180	2022-01
ISO 10942	Ophthalmic instruments – Direct ophthalmoscopes	11.040.70	2022-01
ISO 11114-5	Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 5: Test methods for evaluating plastic liners	23.020.35	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 11295	Plastics piping systems used for the rehabilitation of pipelines – Classification and overview of strategic, tactical and operational activities	23.040.01	2022-01
ISO 11661	Mobile cranes – Presentation of rated capacity charts	53.020.20	2022-01
ISO 11795 AMD 1	Agricultural tractor drive wheel tyres – Explanation of rolling circumference index (RCI) and speed radius index (SRI) and method of measuring tyre rolling circumference; Amendment 1	83.160.30	2022-01
ISO 11806-2	Agricultural and forestry machinery – Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers – Part 2: Machines for use with backpack power unit	65.060.80	2022-01
ISO 13061-18	Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 18: Vocabulary	79.040	2022-01
ISO 13472-1	Acoustics – Measurement of sound absorption properties of road surfaces in situ – Part 1: Extended surface method	17.140.30; 93.080.20	2022-01
ISO 13861	Machinery for forestry – Wheeled skidders – Terms, definitions and commercial specifications	01.040.65; 65.060.80	2022-01
ISO 13862	Machinery for forestry – Feller-bunchers – Terms, definitions and commercial specifications	01.040.65; 65.060.80	2022-01
ISO 14968	Paper and board – Cut-size office paper – Measurement of curl in a pack of sheets	85.060	2022-01
ISO 15798	Ophthalmic implants – Ophthalmic viscosurgical devices	11.040.70	2022-01
ISO 15901-2	Pore size distribution and porosity of solid materials by mercury porosimetry and gas adsorption – Part 2: Analysis of nanopores by gas adsorption	19.120	2022-01
ISO 16486-4	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 4: Valves	75.200; 83.140.30	2022-01
ISO 16559	Solid biofuels – Vocabulary	01.040.75; 27.190; 75.160.40	2022-01
ISO 16796	Nuclear energy – Determination of Gd ₂ O ₃ content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES)	27.120.30	2022-01
ISO 16889	Hydraulic fluid power – Filters – Multi-pass method for evaluating filtration performance of a filter element	23.100.60	2022-01
ISO 17463	Paints and varnishes – Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique	87.040	2022-01
ISO 18319-2	Fibre reinforced polymer (FRP) reinforcement for concrete structures – Part 2: Specifications of CFRP strips	83.120; 91.080.40; 91.100.30	2022-01
ISO 19056-3	Microscopes – Definition and measurement of illumination properties – Part 3: Incident light fluorescence microscopy with incoherent light sources	37.020	2022-01
ISO 19472-2	Machinery for forestry – Winches – Part 2: Traction aid winches	65.060.80	2022-01
ISO 19574	Footwear and footwear components – Qualitative test method to assess antifungal activity (growth test)	61.060	2022-01
ISO 20302	Health informatics – Health cards – Numbering system and registration procedure for issuer identifiers	35.240.80	2022-01
ISO/TR 20527	Intelligent transport systems – Interoperability between interoperable fare management (IFM) systems and near field communication (NFC) mobile devices	03.220.01; 35.240.60	2022-01
ISO 20766-13	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 13: Multivalve	43.060.40	2022-01
ISO 20766-14	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 14: Vaporizer/pressure regulator	43.060.40	2022-01
ISO 20766-16	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 16: Injectors and gas mixing device/fuel rail	43.060.40	2022-01
ISO 20766-24	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 24: Gas tubes	43.060.40	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 20766-25	Road vehicles – Liquefied petroleum gas (LPG) fuel system components – Part 25: Gas connections	43.060.40	2022-01
ISO 21490	Rubber and rubber products – Determination of 2-mercaptobenzothiazole content by high performance liquid chromatography (HPLC)	83.060	2022-01
ISO 21815-1	Earth-moving machinery – Collision warning and avoidance – Part 1: General requirements	53.100	2022-01
ISO 21849	Aircraft and space – Industrial data – Product identification and traceability	35.240.60; 49.020	2022-01
ISO 22077-1	Health informatics – Medical waveform format – Part 1: Encoding rules	35.240.80	2022-01
ISO 22085-3	Intelligent transport systems (ITS) – Nomadic device service platform for micro mobility – Part 3: Data structure and data exchange procedures	35.240.60; 43.040.15	2022-01
ISO 22291	Safety requirements for wetlaid-nonwoven machinery	59.120.01	2022-01
ISO 22916	Microfluidic devices – Interoperability requirements for dimensions, connections and initial device classification	71.040.20	2022-01
ISO 23155	Interpreting services – Conference interpreting – Requirements and recommendations	01.020; 03.080.99	2022-01
ISO 23296	Metallic materials – Fatigue testing – Force controlled thermo-mechanical fatigue testing method	77.040.10	2022-01
ISO 23472-4	Foundry machinery – Vocabulary – Part 4: Abrasive blasting machines and other equipment related to cleaning and finishing for casting	01.040.25; 01.040.77; 25.220.10; 77.180	2022-01
ISO/TS 23535	Health informatics – Requirements for customer-oriented health cloud service agreements	35.240.80	2022-01
ISO 23551-9	Safety and control devices for gas burners and gas-burning appliances – Particular requirements – Part 9: Mechanical gas thermostats	27.060.20	2022-01
ISO 23555-1	Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa – Part 1: General requirements	23.060.40; 91.140.40	2022-01
ISO 23555-2	Gas pressure safety and control devices for use in gas transmission, distribution and installations for inlet pressures up to and including 10 MPa – Part 2: Gas pressure regulator	23.060.40; 91.140.40	2022-01
ISO 23646	Soil quality – Determination of organochlorine pesticides by gas chromatography with mass selective detection (GC-MS) and gas chromatography with electron-capture detection (GC-ECD)	13.080.10	2022-01
ISO 23703	Microbeam analysis – Guidelines for misorientation analysis to assess mechanical damage of austenitic stainless steel by electron backscatter diffraction (EBSD)	71.040.99	2022-01
ISO 24169	Ships and marine technology – Fireproof watertight hatch covers	47.020.10	2022-01
ISO/TS 24283-1	Geotechnical investigation and testing – Qualification criteria and assessment – Part 1: Qualified technician and qualified operator	03.100.30; 93.020	2022-01
ISO/TS 24283-2	Geotechnical investigation and testing – Qualification criteria and assessment – Part 2: Responsible expert	03.100.30; 93.020	2022-01
ISO/TS 24283-3	Geotechnical investigation and testing – Qualification criteria and assessment – Part 3: Qualified enterprise	03.100.30; 93.020	2022-01
ISO 24284	Metallic coatings – Corrosion test method for decorative chrome plating under a de-icing salt environment	25.220.40	2022-01
ISO 24378	Feed machinery – Vocabulary	01.040.65; 65.060.01	2022-01
ISO/TS 24498	Paper, board and pulps – Estimation of uncertainty for test methods by interlaboratory comparisons	85.040; 85.060	2022-01
ISO/PAS 24565	Petroleum and natural gas industries – Ceramic lined tubing	75.180.10	2022-01
ISO 24613-5	Language resource management – Lexical markup framework (LMF) – Part 5: Lexical base exchange (LBX) serialization	01.020	2022-01
ISO 24667	Sports and recreational facilities – Impact surfacing testing device	97.200.40; 97.220.01	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 25424 AMD 1	Sterilization of health care products – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices; Amendment 1	11.080.01	2022-01
ISO/TR 27923	Carbon dioxide capture, transportation and geological storage – Injection operations, infrastructure and monitoring	13.020.40	2022-01
ISO 31120-1	Road vehicles – Injection water – Part 1: Quality requirements	13.060.99; 43.060.40	2022-01

Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60034-18-32	Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems (Type II) – Electrical endurance qualification procedures for form-wound windings	29.080.30; 29.160.01	2022-01
IEC 60034-33	Rotating electrical machines – Part 33: Synchronous hydrogenerators including motor-generators – Specific requirements	29.160.01; 29.160.20	2022-01
IEC 60079-31	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure “t”	29.260.20	2022-01
IEC 60512-99-002	Connectors for electrical and electronic equipment – Tests and measurements – Part 99-002: Endurance test schedules – Test 99b: Test schedule for unmating under electrical load	31.220.10	2022-01
IEC 60519-6	Safety in installations for electroheating and electromagnetic processing – Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment	25.180.10	2022-01
IEC 60598-2-20	Luminaires – Part 2-20: Particular requirements – Lighting chains	29.140.40	2022-01
IEC 60704-2-18	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-18: Particular requirements for electric water heaters	17.140.20; 91.140.65; 97.100.10	2022-01
IEC 60747-5-15	Semiconductor devices – Part 5-15: Optoelectronic devices – Light emitting diodes – Test method of the flat-band voltage based on the electroreflectance spectroscopy	31.080.99; 31.260	2022-01
IEC 60751	Industrial platinum resistance thermometers and platinum temperature sensors	17.200.20	2022-01
IEC 60793-2-10 AMD 1	Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres; Amendment 1	33.180.10	2022-01
IEC 60793-2-10 Edition 7.1	Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres	33.180.10	2022-01
IEC 60974-14 Corrigendum 1	Arc welding equipment – Part 14: Calibration, validation and consistency testing; Corrigendum 1	25.160.30	2022-01
IEC 61000-3-3 AMD 2 Corrigendum 1ndum 1	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≥ 16 A per phase and not subject to conditional connection; Amendment 2; Corrigendum 1	33.100.20	2022-01
IEC 61196-1-100	Coaxial communication cables – Part 1-100: Electrical test methods – General requirements	33.120.10	2022-01
IEC 61280-4-5 Corrigendum 1	Fibre-optic communication subsystem test procedures – Part 4-5: Installed cabling plant – Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces; Corrigendum 1	33.180.10	2022-01
IEC 61300-3-33	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using pin gauges	33.180.20	2022-01
IEC 61400-50-3	Wind energy generation systems – Part 50-3: Use of nacelle-mounted lidars for wind measurements	27.180	2022-01
IEC 61587-1	Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 1: Environmental requirements, test setups and safety aspects	31.240	2022-01
IEC 61869-2 Interpretation Sheet 1	Instrument transformers – Part 2: Additional requirements for current transformers; Interpretation Sheet 1	17.220.20	2022-01
IEC 62093	Photovoltaic system power conversion equipment – Design qualification and type approval	27.160	2022-01
IEC 62150-6	Fibre optic active components and devices – Test and measurement procedures – Part 6: Universal mezzanine boards for test and measurement of photonic devices	33.180.20; 33.180.30	2022-01
IEC 62788-5-1 AMD 1	Measurement procedures for materials used in photovoltaic modules – Part 5-1: Edge seals – Suggested test methods for use with edge seal materials; Amendment 1	27.160	2022-01
IEC 62788-5-1 Edition 1.1	Measurement procedures for materials used in photovoltaic modules – Part 5-1: Edge seals – Suggested test methods for use with edge seal materials	27.160	2022-01

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 62862-3-1	Solar thermal electric plants – Part 3-1: Systems and components – General requirements for the design of parabolic-trough solar thermal power plants	27.160	2022-01
IEC 62906-5-5	Laser displays – Part 5-5: Optical measuring methods of raster-scanning retina direct projection laser displays	31.260	2022-01
IEC 62906-5-7	Laser displays – Part 5-7: Measuring methods of image quality affected by speckle for scanning laser displays	31.260	2022-01
IEC 62977-3-7	Electronic displays – Part 3-7: Evaluation of optical performance – Tone characteristics	31.120	2022-01
IEC 63000 AMD 1	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances; Amendment 1	01.040.01; 01.110; 13.030.10; 13.300; 29.100.01; 31.020; 31.220.01	2022-01
IEC 63000 Edition 1.1	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	01.040.01; 01.110; 13.030.10; 13.300; 29.100.01; 31.020; 31.220.01	2022-01
IEC 63246-2	Configurable car infotainment services (CCIS) – Part 2: Requirements	33.160.60; 33.160.99; 43.040.15	2022-01
IEC 63246-3	Configurable car infotainment services (CCIS) – Part 3: Framework	33.160.60; 33.160.99; 43.040.15	2022-01
ISO/IEC TR 4339	Information technology for learning, education and training – Reference model for information and communications technology (ICT) evaluation in education	35.240.90	2022-01
ISO/IEC 14496-12	Information technology – Coding of audio-visual objects – Part 12: ISO base media file format	35.040.40	2022-01
ISO/IEC 15962	Information technology – Radio frequency identification (RFID) for item management – Data protocol: data encoding rules and logical memory functions	35.040.50	2022-01
ISO/IEC 18013-3 AMD 1	Information technology – Personal identification – ISO-compliant driving licence – Part 3: Access control, authentication and integrity validation – Amendment 1: PACE protocol	35.240.15	2022-01
ISO/IEC TS 20000-5	Information technology – Service management – Part 5: Implementation guidance for ISO/IEC 20000-1	03.080.99; 35.020	2022-01
ISO/TS 21357	Nanotechnologies – Evaluation of the mean size of nano-objects in liquid dispersions by static multiple light scattering (SMLS)	07.120	2022-01
ISO/IEC 38503	Information technology – Governance of IT – Assessment of the governance of IT	35.020	2022-01
ISO/IEC TR 49794	Information technology – Transition examples from the ISO/IEC 19794:2005 series to the ISO/IEC 39794 series for ID documents	35.240.15	2022-01