

Hrvatski zavod za norme

Oglasnik za normativne dokumente

6/2019 lipanj, 2019.

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 razvrstane po predmetnom ustroju i obavijesti HZN-a.

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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1 Rezultati hrvatske normizacije

1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

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

HRN ISO 11093-9:2019 en pr
Papir i karton – Ispitivanje papirnih cijevi – 9. dio: Određivanje otpornosti na pritisak (ISO 11093-9:2019)
Paper and board – Testing of cores – Part 9: Determination of flat crush resistance (ISO 11093-9:2019)

HRN EN ISO 12625-1:2019 en pr
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 1. dio: Terminološki rječnik (ISO 12625-1:2019; EN ISO 12625-1:2019)
Tissue paper and tissue products – Part 1: Vocabulary (ISO 12625-1:2019; EN ISO 12625-1:2019)

HRN EN 17085:2019 en pr
Papir i karton – Postupci uzorkovanja papira i kartona za recikliranje (EN 17085:2019)
Paper and board – Sampling procedures for paper and board for recycling (EN 17085:2019)

HZN/TO 8, *Brodogradnja*

HRN EN ISO 11591:2019 en pr
Mala plovila – Vidno polje s mjesta upravljanja (ISO 11591:2019; EN ISO 11591:2019)
Small craft – Field of vision from the steering position (ISO 11591:2019; EN ISO 11591:2019)

HZN/TO 28, *Naftni proizvodi i maziva*

HRN EN ISO 3015:2019 en pr
Nafta i srodni proizvodi iz prirodnih ili sintetičkih izvora – Određivanje točke zamućenja (ISO 3015:2019; EN ISO 3015:2019)
Petroleum and related products from natural or synthetic sources – Determination of cloud point (ISO 3015:2019; EN ISO 3015:2019)

HRN EN ISO 3016:2019 en pr
Nafta i srodni proizvodi iz prirodnih ili sintetičkih izvora – Određivanje točke tečenja (ISO 3016:2019; EN ISO 3016:2019)
Petroleum and related products from natural or synthetic sources – Determination of pour point (ISO 3016:2019; EN ISO 3016:2019)

HRN EN 12916:2019 en pr
Naftni proizvodi – Određivanje tipova aromatskih ugljikovodika u srednjim destilatima – Metoda tekućinske kromatografije visokog učinka uz određivanje indeksa loma (EN 12916:2019)
Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection (EN 12916:2019)

HRN EN ISO 22995:2019 en pr
Naftni proizvodi – Određivanje točke zamućenja – Automatizirana metoda postupnog hlađenja (ISO 22995:2019; EN ISO 22995:2019)
Petroleum products – Determination of cloud point – Automated step-wise cooling method (ISO 22995:2019; EN ISO 22995:2019)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

HRN EN 15587:2019 en pr
Žitarice i proizvodi od žitarica – Određivanje količine stranih tvari u krušnoj pšenici (*Triticum aestivum* L.), tvrdoj pšenici (*T.durum* Desf.), raži (*Secale cereale* L.), pšenoraži (*Triticosecale Wittmack* spp) i stočnom ječmu (*Hordeum vulgare* L.) (EN 15587:2018)
Cereal and cereal products – Determination of Besatz in wheat (*Triticum aestivum* L.), durum wheat (*Triticum durum* Desf.), rye (*Secale cereale* L.), triticale (*Triticosecale Wittmack* spp) and feed barley (*Hordeum vulgare* L.) (EN 15587:2018)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 2401:2019 en pr
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode – Određivanje učinkovitosti, iskoristivosti i koeficijenta taljenja (ISO 2401:2018; EN ISO 2401:2018)
Welding consumables – Covered electrodes – Determination of the efficiency, metal recovery and deposition coefficient (ISO 2401:2018; EN ISO 2401:2018)

HRN EN ISO 5171:2019 en pr
Oprema za plinsko zavarivanje – Manometri koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima (ISO 5171:2019; EN ISO 5171:2019)
Gas welding equipment – Pressure gauges used in welding, cutting and allied processes (ISO 5171:2019; EN ISO 5171:2019)

HRN EN ISO 14174:2019 en pr
Dodatni i potrošni materijali za zavarivanje – Praškovi za elektrolučno zavarivanje pod praškom i elektro-zavarivanje pod troskom – Razredba (ISO 14174:2019; EN ISO 14174:2019)
Welding consumables – Fluxes for submerged arc welding and electroslag welding – Classification (ISO 14174:2019; EN ISO 14174:2019)

HRN EN ISO 24598:2019 en pr
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, žice punjene praškom i kombinacije žica-prašak za elektrolučno zavarivanje pod praškom (EPP) za čelike otporne na puzanje – Razredba (ISO 24598:2019; EN ISO 24598:2019)
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels – Classification (ISO 24598:2019; EN ISO 24598:2019)

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

HRN EN 12102-2:2019 en pr
Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline, procesni rashladnici i odvlaživači s kompresorima na električni pogon – Određivanje razine zvučne snage – 2. dio: Dizalice topline za zagrijavanje tople vode (EN 12102-2:2019)
Air conditioners, liquid chilling packages, heat pumps, process chillers and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 2: Heat pump water heaters (EN 12102-2:2019)

HZN/TO 134, *Gnojiva i poboljšivači tla*

HRN EN 12944-3:2019 en pr
Gnojiva i tvari za kalcifikaciju – Rječnik – 3. dio: Nazivi koji se odnose na tvari za kalcifikaciju (EN 12944-3:2019)
Fertilizers and liming materials – Vocabulary – Part 3: Terms relating to liming materials (EN 12944-3:2019)

HRN EN 17041:2019 en pr
Gnojiva – Određivanje bora u koncentracijama ≤ 10 % spektrofotometrijom s azometinom-H (EN 17041:2018)
Fertilizers – Determination of boron in concentrations ≤ 10 % using spectrometry with azomethine-H (EN 17041:2018)

HRN EN 17042:2019 en pr
Gnojiva – Određivanje bora u koncentracijama > 10 % acidometrijskom titracijom (EN 17042:2018)
Fertilizers – Determination of boron in concentrations > 10 % using acidimetric titration (EN 17042:2018)

HRN EN 17043:2019 en pr
Gnojiva – Određivanje molibdena u koncentracijama ≤ 10 % spektrometrijom kompleksa s amonijevim tiocijanatom (EN 17043:2018)
Fertilizers – Determination of molybdenum in concentrations ≤ 10 % using spectrometry of a complex with ammonium thiocyanate (EN 17043:2018)

HRN EN 17090:2019 en pr
Gnojiva – Određivanje inhibitora nitrifikacije DMPSA u gnojivima – Metoda tekuće kromatografije visokog učinka (HPLC) (EN 17090:2018)
Fertilizers – Determination of nitrification inhibitor DMPSA in fertilizers – Method using high-performance liquid chromatography (HPLC) (EN 17090:2018)

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 15549:2019 en pr
Nerazorno ispitivanje – Ispitivanje vrtložnim strujama – Opća načela (ISO 15549:2019; EN ISO 15549:2019)
Non-destructive testing – Eddy current testing – General principles (ISO 15549:2019; EN ISO 15549:2019)

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

HRS CEN ISO/TS 21003-7:2019 en pr
Višeslojni cijevni sustavi za instalacije s toplom i hladnom vodom u zgradama – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 21003-7:2019; CEN ISO/TS 21003-7:2019)
Multilayer piping systems for hot and cold water installations inside buildings – Part 7: Guidance for the assessment of conformity (ISO/TS 21003-7:2019; CEN ISO/TS 21003-7:2019)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 9698:2019 en pr
Kvaliteta vode – Tricij – Metoda ispitivanja s upotrebom tekućinske scintilacije (ISO 9698:2019; EN ISO 9698:2019)
Water quality – Tritium – Test method using liquid scintillation counting (ISO 9698:2019; EN ISO 9698:2019)

HRN EN ISO 13163:2019 en pr
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)

HZN/TO 215, Medicinska informatika

HRN EN ISO 13120:2019 en pr
Medicinska informatika – Sintaksa za prikaz sadržaja sustava razredbe u zdravstvenoj zaštiti – Jezik za označavanje razredbe (CiaML) (ISO 13120:2019; EN ISO 13120:2019)
Health informatics – Syntax to represent the content of healthcare classification systems – Classification Markup Language (CiaML) (ISO 13120:2019; EN ISO 13120:2019)

HZN/TO 503, Metalni materijali

HRN EN ISO 6149-1:2019 en pr
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 skraćanim ležištem za O-prsten (ISO 6149-1:2019; EN ISO 6149-1:2019)
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 6149-1:2019; EN ISO 6149-1:2019)

HRN EN 10210-2:2019 en pr
Toplo oblikovani šuplji profili od konstrukcijskog čelika – 2. dio: Dopuštena odstupanja, dimenzije i svojstva profila (EN 10210-2:2019)
Hot finished structural steel hollow sections – Part 2: Tolerances, dimensions and sectional properties (EN 10210-2:2019)

HRN EN 10219-2:2019 en pr
Hladno oblikovani zavareni šuplji profili od konstrukcijskog čelika – 2. dio: Dopuštena odstupanja, dimenzije i svojstva profila (EN 10219-2:2019)
Cold formed welded steel structural hollow sections – Part 2: Tolerances, dimensions and sectional properties (EN 10219-2:2019)

HRN EN 10225-1:2019 en pr
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke – 1. dio: Ploče (EN 10225-1:2019)
Weldable structural steels for fixed offshore structures – Technical delivery conditions – Part 1: Plates (EN 10225-1:2019)

HRN EN 10225-2:2019 en pr
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke – 2. dio: Profili (EN 10225-2:2019)
Weldable structural steels for fixed offshore structures – Technical delivery conditions – Part 2: Sections (EN 10225-2:2019)

HRN EN 10225-3:2019 en pr
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke – 3. dio: Toplo oblikovani šuplji profili (EN 10225-3:2019)
Weldable structural steels for fixed offshore structures – Technical delivery conditions – Part 3: Hot finished hollow sections (EN 10225-3:2019)

HRN EN 10225-4:2019 en pr
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke – 4. dio: Hladno oblikovani zavareni šuplji profili (EN 10225-4:2019)
Weldable structural steels for fixed offshore structures – Technical delivery conditions – Part 4: Cold formed welded hollow sections (EN 10225-4:2019)

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 12927:2019 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad (EN 12927:2019)
Safety requirements for cableway installations designed to carry persons – Ropes (EN 12927:2019)

HZN/TO 524, Inteligentni transportni sustavi

HRI CEN/TR 17297-1:2019 en pr
Inteligentni transportni sustavi – Usklađivanje referenciranja lokacija za gradski ITS – 1. dio: Stanje tehnike i smjernice (CEN/TR 17297-1:2019)
Intelligent transport systems – Location referencing harmonization for Urban ITS – Part 1: State of the art and guidelines (CEN/TR 17297-1:2019)

HZN/TO 528, Oprema za željeznice

HRN EN 15355:2019 en pr
Željeznički sustav – Kočenje – Rasporednici i pripadajući izolacijski uređaji (EN 15355:2019)
Railway applications – Braking – Distributor valves and distributor-isolating devices (EN 15355:2019)

HRN EN 16186-4:2019 en pr
Željeznički sustav – Upravljačnica – 4. dio: Raspored i dostupnost (EN 16186-4:2019)
Railway applications – Driver's cab – Part 4: Layout and access (EN 16186-4:2019)

HZN/TO 531, Plastika i guma

HRN EN ISO 178:2019 en pr
Plastika – Određivanje savojnih svojstava (ISO 178:2019; EN ISO 178:2019)
Plastics – Determination of flexural properties (ISO 178:2019; EN ISO 178:2019)

HRN EN ISO 307:2019 en pr
Plastika – Poliamidi – Određivanje reducirane viskozne vrijednosti (ISO 307:2019; EN ISO 307:2019)
Plastics – Polyamides – Determination of viscosity number (ISO 307:2019; EN ISO 307:2019)

HRN EN ISO 6721-1:2019 en pr
Plastika – Određivanje dinamičkih mehaničkih svojstava – 1. dio: Opća načela (ISO 6721-1:2019; EN ISO 6721-1:2019)
Plastics – Determination of dynamic mechanical properties – Part 1: General principles (ISO 6721-1:2019; EN ISO 6721-1:2019)

HRN EN ISO 6721-2:2019 en pr
Plastika – Određivanje dinamičkih mehaničkih svojstava – 2. dio: Metoda torzijskog njihala (ISO 6721-2:2019; EN ISO 6721-2:2019)
Plastics – Determination of dynamic mechanical properties – Part 2: Torsion-pendulum method (ISO 6721-2:2019; EN ISO 6721-2:2019)

HRN EN 14423:2019 en pr
Sklopovi spojki steznog tipa za upotrebu s crijevima za paru za tlakove do 18 bara (EN 14423:2013+A2:2019)
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar (EN 14423:2013+A2:2019)

HRN EN ISO 15512:2019 en pr
Plastika – Određivanje sadržaja vode (ISO 15512:2019; EN ISO 15512:2019)
Plastics – Determination of water content (ISO 15512:2019; EN ISO 15512:2019)

HRN EN ISO 17556:2019 en pr
Plastika – Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u tlu mjerjenjem potrošnje kisika u respirometru ili količine nastalog ugljikova dioksida (ISO 17556:2019; EN ISO 17556:2019)
Plastics – Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved (ISO 17556:2019; EN ISO 17556:2019)

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

HRN EN ISO 14405-2:2019 en pr
Geometrijske specifikacije proizvoda (GSP) – Tolerancije dimenzija – 2. dio: Dimenzije koje nisu duljinske ili kutne (ISO 14405-2:2018; EN ISO 14405-2:2019)
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 2: Dimensions other than linear or angular sizes (ISO 14405-2:2018; EN ISO 14405-2:2019)

HRN EN ISO 20170:2019 en pr
Geometrijske specifikacije proizvoda (GSP) – Raščlamba geometrijskih svojstava u svrhu kontrole u proizvodnom procesu (ISO 20170:2019; EN ISO 20170:2019)
Geometrical product specifications (GPS) – Decomposition of geometrical characteristics for manufacturing control (ISO 20170:2019; EN ISO 20170:2019)

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

HRN EN 17038-1:2019 en pr
Pumpe – Metode kvalifikacije i verifikacije indeksa energijske učinkovitosti za rotacijske pumpe – 1. dio: Opći zahtjevi i postupci za ispitivanje i proračun indeksa energijske učinkovitosti (EEI) (EN 17038-1:2019)
Pumps – Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pumps units – Part 1: General requirements and procedures for testing and calculation of energy efficiency index (EEI) (EN 17038-1:2019)

HRN EN 17038-2:2019 en pr
Pumpe – Metode kvalifikacije i verifikacije indeksa energijske učinkovitosti za rotacijske pumpe – 2. dio: Ispitivanje i proračun indeksa energijske učinkovitosti (EEI) pojedinačnih pumpi (EN 17038-2:2019)
Pumps – Methods of qualification and verification of the Energy Efficiency Index for rotodynamic pumps units – Part 2: Testing and calculation of energy Efficiency Index (EEI) of single pump units (EN 17038-2:2019)

HZN/TO 548, Konstrukcijski eurokodovi

HRN EN 1992-4:2019 en pr
Eurokod 2: Projektiranje betonskih konstrukcija – 4. dio: Projektiranje pričvršćivača za upotrebu u betonu (EN 1992-4:2018)
Eurocode 2: Design of concrete structures – Part 4: Design of fastenings for use in concrete (EN 1992-4:2018)

HZN/TO 560, Tekstilni proizvodi

HRN ISO 675:2019 en pr
Tekstil – Tkanine – Određivanje dimenzijskih promjena kod komercijalnog pranja u blizini točke vrenja (ISO 675:2014)
Textiles – Woven fabrics – Determination of dimensional change on commercial laundering near the boiling point (ISO 675:2014)

HRN ISO 1136:2019 en pr
Vuna – Određivanje srednjeg promjera vlakana – Metoda propusnosti zraka (ISO 1136:2015)
Wool – Determination of mean diameter of fibres – Air permeability method (ISO 1136:2015)

HRN ISO 1144:2019 en pr
Tekstil – Opći sustav za označavanje duljinske mase (Tex sustav) (ISO 1144:2016)
Textiles – Universal system for designating linear density (Tex System) (ISO 1144:2016)

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

HRN EN ISO 1833-10:2019 en pr
Tekstil – Kvantitativna kemijska analiza – 10. dio: Mješavine triacetatnih ili polilaktidnih vlakana s određenim drugim vlaknima (metoda s uporabom diklormetana) (ISO 1833-10:2019; EN ISO 1833-10:2019)
Textiles – Quantitative chemical analysis – Part 10: Mixtures of triacetate or polylactide with certain other fibres (method using dichloromethane) (ISO 1833-10:2019; EN ISO 1833-10:2019)

HRN EN ISO 1833-18:2019 en pr
Tekstil – Kvantitativna kemijska analiza – 18. dio: Mješavine svile s drugim proteinskim vlaknima (metoda s primjenom sumporne kiseline) (ISO 1833-18:2019; EN ISO 1833-18:2019)
Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid) (ISO 1833-18:2019; EN ISO 1833-18:2019)

HRN EN ISO 1833-21:2019 en pr
Tekstil – Kvantitativna kemijska analiza – 21. dio: Mješavine klornih, određenih modakrilnih, određenih elastanskih, acetatnih, triacetatnih vlakana s određenim drugim vlaknima (metoda s uporabom cikloheksanona) (ISO 1833-21:2019; EN ISO 1833-21:2019)
Textiles – Quantitative chemical analysis – Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone) (ISO 1833-21:2019; EN ISO 1833-21:2019)

HRN ISO 2370:2019 en pr
Tekstil – Određivanje finoće lanenih vlakana – Metoda propusnosti zraka (ISO 2370:2019)
Textiles – Determination of fineness of flax fibres – Permeametric methods (ISO 2370:2019)

HRN ISO 2403:2019 en pr
Tekstil – Pamučna vlakna – Određivanje mikroner vrijednosti (ISO 2403:2014)
Textiles – Cotton fibres – Determination of micronaire value (ISO 2403:2014)

HRN ISO 5971:2019 en pr
Sustav označavanja veličine odjeće – Čarape s gacicama (ISO 5971:2017)
Size designation of clothes – Tights (ISO 5971:2017)

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

HRN ISO 16549:2019 en pr
Tekstil – Nejednolikost tekstilnih niti – Kapacitivna metoda (ISO 16549:2004)
Textiles – Unevenness of textile strands – Capacitance method (ISO 16549:2004)

HRN EN 16711-3:2019 en pr
Tekstil – Određivanje sadržaja metala – 3. dio: Određivanje oslobađanja olova pomoću otopine umjetne sline (EN 16711-3:2019)
Textiles – Determination of metal content – Part 3: Determination of lead release by artificial saliva solution (EN 16711-3:2019)

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

HRN EN ISO 20976-1:2019 en pr
Mikrobiologija u lancu hrane – Smjernice za provođenje mikrobioloških ispitivanja hrane i hrane za životinje – 1. dio: Testovi za određivanje potencijala rasta, lag vremena i maksimalne brzine rasta (ISO 20976-1:2019; EN ISO 20976-1:2019)
Microbiology of the food chain – Requirements and guidelines for conducting challenge tests of food and feed products – Part 1: Challenge tests to study growth potential, lag time and maximum growth rate (ISO 20976-1:2019; EN ISO 20976-1:2019)

HRN EN ISO 22117:2019 en pr
Mikrobiologija u lancu hrane – Posebni zahtjevi i upute za ispitivanje pouzdanosti međulaboratorijskim usporedbama (ISO 22117:2019; EN ISO 22117:2019)
Microbiology of the food chain – Specific requirements and guidance for proficiency testing by interlaboratory comparison (ISO 22117:2019; EN ISO 22117:2019)

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

HRN EN 14960-1:2019 en pr
Oprema za igranje na napuavanje – 1. dio: Sigurnosni zahtjevi i metode ispitivanja (EN 14960-1:2019)
Inflatable play equipment – Part 1: Safety requirements and test methods (EN 14960-1:2019)

HRN EN ISO 20957-9:2016/A1:2019 en pr
Nepomična oprema za vježbanje – 9. dio: Sprave za vježbanje s eliptičnim kretanjem, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (ISO 20957-9:2016/Amd 1:2019; EN ISO 20957-9:2016/A1:2019)
Stationary training equipment – Part 9: Elliptical trainers, additional specific safety requirements and test methods (ISO 20957-9:2016/Amd 1:2019; EN ISO 20957-9:2016/A1:2019)

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

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

HZN/TO E10, Fluidi za primjenu u elektrotehnici

HRN EN IEC 60480:2019 en pr
Specifikacije za ponovno korištenje sumpornog heksafluorida i njegovih smjesa u električnoj opremi (IEC 60480:2019; EN IEC 60480:2019)
Specifications for the re-use of sulphur hexafluoride (SF6) and its mixtures in electrical equipment (IEC 60480:2019; EN IEC 60480:2019)

HZN/TO E11, Nadzemni vodovi

HRN EN 50341-2-15:2019 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-15: Nacionalni normativni aspekti (NNA) za Nizozemsku (na temelju EN 50341-1:2012) (EN 50341-2-15:2019)
Overhead electrical lines exceeding AC 1 kV – Part 2-15: National Normative Aspects (NNAs) for the Netherlands (based on EN 50341-1:2012) (EN 50341-2-15:2019)

HRN EN 50341-2-2:2019 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-2: Nacionalni normativni aspekti (NNA) za Belgiju (na temelju EN 50341-1:2012) (EN 50341-2-2:2019)
Overhead electrical lines exceeding AC 1 kV – Part 2-2: National Normative Aspects (NNA) for Belgium (based on EN 50341-1:2012) (EN 50341-2-2:2019)

HRN EN 50341-2-4:2019 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-4: Nacionalni normativni aspekti (NNA) za Njemačku (na temelju EN 50341-1:2012) (EN 50341-2-4:2019)
Overhead electrical lines exceeding AC 1 kV – Part 2-4: National Normative Aspects (NNA) for GERMANY (based on EN 50341-1:2012) (EN 50341-2-4:2019)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 60947-9-1:2019 en pr
Niskonaponska sklopna aparatura – Sustavi za aktivno suzbijanje lučnih kvarova – Dio 9-1: Uređaji za gašenje luka (IEC 60947-9-1:2019; EN IEC 60947-9-1:2019)
Low-voltage switchgear and controlgear – Active arc-fault mitigation systems – Part 9-1: Arc quenching devices (IEC 60947-9-1:2019; EN IEC 60947-9-1:2019)

HRN EN IEC 62271-109:2019 en pr
Visokonaponska sklopna aparatura – 109. dio: Sklopke izmjenične struje za premoštenje serijskog kondenzatora (IEC 62271-109:2019; EN IEC 62271-109:2019)
High-voltage switchgear and controlgear – Part 109: Alternating-current series capacitor by-pass switches (IEC 62271-109:2019; EN IEC 62271-109:2019)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60809:2015/A3:2019 en pr
Žarulje za cestovna vozila – Dimenzije, električni i svjetlosni zahtjevi (IEC 60809:2014/am3:2019; EN 60809:2015/A3:2019)
Lamps for road vehicles – Dimensional, electrical and luminous requirements (IEC 60809:2014/am3:2019; EN 60809:2015/A3:2019)

HRN EN IEC 60810:2018/A1:2019 en pr
Žarulje, izvori svjetla i svjetleće diode za cestovna vozila – Izvedbeni zahtjevi (IEC 60810:2017/am1:2019; EN IEC 60810:2018/A1:2019)
Lamps, light sources and LED packages for road vehicles – Performance requirements (IEC 60810:2017/am1:2019; EN IEC 60810:2018/A1:2019)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN 60335-2-95:2015/A2:2019 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-95: Posebni zahtjevi pogona za okomito pomicanje garažnih vrata u domaćinstvu (IEC 60335-2-95:2011/am2:2017; EN 60335-2-95:2015/A2:2019)
Household and similar electrical appliances – Safety – Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use (IEC 60335-2-95:2011/am2:2017; EN 60335-2-95:2015/A2:2019)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN IEC 60601-2-16:2019 en pr
Medicinska električna oprema – Dio 2-16: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za hemodijalizu, hemodijafiltriranje i hemofiltriranje (IEC 60601-2-16:2018; EN IEC 60601-2-16:2019)
Medical electrical equipment – Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (IEC 60601-2-16:2018; EN IEC 60601-2-16:2019)

HRN EN IEC 60601-2-39:2019 en pr
Medicinska električna oprema – Dio 2-39: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za peritonealnu hemodijalizu (IEC 60601-2-39:2018; EN IEC 60601-2-39:2019)
Medical electrical equipment – Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (IEC 60601-2-39:2018; EN IEC 60601-2-39:2019)

HRN EN 60601-2-54:2010/A2:2019 en pr
Medicinska električna oprema – Dio 2-54: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenske opreme za radiografiju i radioskopiju (IEC 60601-2-54:2009/am2:2018; EN 60601-2-54:2009/A2:2019)
Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy (IEC 60601-2-54:2009/am2:2018; EN 60601-2-54:2009/A2:2019)

HRN EN IEC 60601-2-76:2019 en pr
Medicinska električna oprema – Dio 2-76: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za hemostazu niskoenergetskim ioniziranim plinom (IEC 60601-2-76:2018; EN IEC 60601-2-76:2019)
Medical electrical equipment – Part 2-76: Particular requirements for the basic safety and essential performance of low energy ionized gas haemostasis equipment (IEC 60601-2-76:2018; EN IEC 60601-2-76:2019)

HRN EN IEC 80601-2-30:2019 en pr
Medicinska električna oprema – Dio 2-30: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke automatiziranih neinvazivnih sfigno-manometara (IEC 80601-2-30:2018; EN IEC 80601-2-30:2019)
Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers (IEC 80601-2-30:2018; EN IEC 80601-2-30:2019)

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

HRN EN IEC 61158-1:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 1. dio: Pregled i smjernice za niz norma IEC 61158 i 61784 (IEC 61158-1:2019; EN IEC 61158-1:2019)
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC 61158-1:2019; EN IEC 61158-1:2019)

HRN EN IEC 61784-1:2019 en pr
Industrijske komunikacijske mreže – Profili – 1. dio: Profili industrijske sabirnice (fieldbus) (IEC 61784-1:2019; EN IEC 61784-1:2019)
Industrial communication networks – Profiles – Part 1: Fieldbus profiles (IEC 61784-1:2019; EN IEC 61784-1:2019)

HRN EN IEC 61784-2:2019 en pr
Industrijske komunikacijske mreže – Profili – 2. dio: Dodatni profili industrijske sabirnice (fieldbus) za mreže u realnom vremenu temeljene na ISO/IEC 8802-3 (IEC 61784-2:2019; EN IEC 61784-2:2019)
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3 (IEC 61784-2:2019; EN IEC 61784-2:2019)

HRN EN IEC 61918:2018/A11:2019 en pr
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (EN IEC 61918:2018/A11:2019)
Industrial communication networks – Installation of communication networks in industrial premises (EN IEC 61918:2018/A11:2019)

HZN/TO E79, Alarmni sustavi

HRN EN 50131-8:2019 en pr
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 8. dio: Uređaji za zaštitnu maglu (EN 50131-8:2019)
Alarm systems – Intrusion and hold-up systems – Part 8: Security fog devices (EN 50131-8:2019)

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

HRN EN IEC 62631-3-4:2019 en pr
Dielektrična i otporna svojstva čvrstih izolacijskih materijala – Dio 3-4: Određivanje otpornih svojstava (Metode istosmjerne struje) – Ukupan otpor i specifičan otpor pri povišenim temperaturama (IEC 62631-3-4:2019; EN IEC 62631-3-4:2019)
Dielectric and resistive properties of solid insulating materials – Part 3-4: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity at elevated temperatures (IEC 62631-3-4:2019; EN IEC 62631-3-4:2019)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 61000-2-2:2008/A2:2019 en pr
Elektromagnetska kompatibilnost (EMC) – Okoliš – Razine kompatibilnosti za niskofrekvencijske vodene smetnje i dojavu u javnim niskonaponskim energetskim sustavima (IEC 61000-2-2:2002/am2:2018; EN 61000-2-2:2002/A2:2019)
Electromagnetic compatibility (EMC) – Environment – Compatibility levels for low-frequency conducted disturbances and signalling in public low-voltage power supply systems (IEC 61000-2-2:2002/am2:2018; EN 61000-2-2:2002/A2:2019)

HZN/TO Z1, Informacijska tehnologija

HRN EN 17054:2019 en,fr,de pr
Višejezični rječnik biometrije na osnovi engleske verzije ISO/IEC 2382-37:2012 (EN 17054:2019)
Biometrics multilingual vocabulary based upon the English version of ISO/IEC 2382-37:2012 (EN 17054:2019)

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

HRN EN 687:2019 en pr
Elastične podne obloge – Specifikacija za linoleum sa ili bez uzorka na plutenoj podlozi (EN 687:2019)
Resilient floor coverings – Specification for plain and decorative linoleum on a corkment backing (EN 687:2019)

HZN/TU B1, Graditeljstvo 1

HRS CEN/TS 17331:2019 en pr
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Sadržaj organskih tvari – Metode ekstrakcije i analize (CEN/TS 17331:2019)
Construction products: Assessment of release of dangerous substances – Content of organic substances – Methods for extraction and analysis (CEN/TS 17331:2019)

HRS CEN/TS 17332:2019 en pr
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza organskih tvari u eluatima (CEN/TS 17332:2019)
Construction products: Assessment of release of dangerous substances – Analysis of organic substances in eluates (CEN/TS 17332:2019)

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

HRN EN ISO 150:2019 en pr
Sirovo, rafinirano i kuhano laneno ulje za boje i lakove – Specifikacije i metode ispitivanja (ISO 150:2018; EN ISO 150:2018)
Raw, refined and boiled linseed oil for paints and varnishes – Specifications and methods of test (ISO 150:2018; EN ISO 150:2018)

HRN EN ISO 787-9:2019 en pr
Opće metode ispitivanja pigmenata i punila – 9. dio: Određivanje pH vrijednosti vodene suspenzije (ISO 787-9:2019; EN ISO 787-9:2019)
General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension (ISO 787-9:2019; EN ISO 787-9:2019)

HRN EN ISO 787-14:2019 en pr
Opće metode ispitivanja pigmenata i punila – 14. dio: Određivanje otpornosti vodenog ekstrakta (ISO 787-14:2019; EN ISO 787-14:2019)
General methods of test for pigments and extenders – Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2019; EN ISO 787-14:2019)

HRN EN ISO 787-17:2019 en pr
Opće metode ispitivanja pigmenata i punila – 17. dio: Usporedba sposobnosti posvjetljivanja bijelih pigmenata (ISO 787-17:2019; EN ISO 787-17:2019)
General methods of test for pigments and extenders – Part 17: Comparison of lightening power of white pigments (ISO 787-17:2019; EN ISO 787-17:2019)

HRN EN ISO 787-25:2019 en pr
Opće metode ispitivanja pigmenata i punila – 25. dio: Usporedba obojenja, u potpuno zaštićenim sustavima, bijelih, crnih i obojenih pigmenata – Kolorimetrijska metoda (ISO 787-25:2019; EN ISO 787-25:2019)
General methods of test for pigments and extenders – Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments – Colorimetric method (ISO 787-25:2019; EN ISO 787-25:2019)

HRN EN 927-6:2019 en pr
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – 6. dio: Izloženost premaza za obradu drva umjetnom starenju uporabom fluorescentnih UV lampi i vode (EN 927-6:2018)
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 6: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water (EN 927-6:2018)

HRN EN 927-10:2019 en pr
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – 10. dio: Otpornost na sljepljivanje boja i lakova na drvo (EN 927-10:2019)
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 10: Resistance to blocking of paints and varnishes on wood (EN 927-10:2019)

HRN EN ISO 2812-2:2019 en pr
Boje i lakovi – Određivanje otpornosti na kapljevine – 2. dio: Metoda uranjanja u vodu (ISO 2812-2:2018; EN ISO 2812-2:2018)
Paints and varnishes – Determination of resistance to liquids – Part 2: Water immersion method (ISO 2812-2:2018; EN ISO 2812-2:2018)

- HRN EN ISO 2812-3:2019 en pr
Boje i lakovi – Određivanje otpornosti na kapljevine – 3. dio: Metoda primjenom apsorpcijskog sredstva (ISO 2812-3:2019; EN ISO 2812-3:2019)
Paints and varnishes – Determination of resistance to liquids – Part 3: Method using an absorbent medium (ISO 2812-3:2019; EN ISO 2812-3:2019)
- HRN EN ISO 2812-5:2019 en pr
Boje i lakovi – Određivanje otpornosti na kapljevine – 5. dio: Metoda u peći sa stupnjevanjem temperature (ISO 2812-5:2018; EN ISO 2812-5:2018)
Paints and varnishes – Determination of resistance to liquids – Part 5: Temperature-gradient oven method (ISO 2812-5:2018; EN ISO 2812-5:2018)
- HRN EN ISO 3681:2019 en pr
Veživa za boje i lakove – Određivanje saponifikacijskog broja – Titrimetrijska metoda (ISO 3681:2018; EN ISO 3681:2018)
Binders for paints and varnishes – Determination of saponification value – Titrimetric method (ISO 3681:2018; EN ISO 3681:2018)
- HRN EN ISO 4619:2019 en pr
Sušila za boje i lakove (ISO 4619:2018; EN ISO 4619:2018)
Driers for paints and varnishes (ISO 4619:2018; EN ISO 4619:2018)
- HRN EN ISO 4623-1:2019 en pr
Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 1. dio: Čelične podloge (ISO 4623-1:2018; EN ISO 4623-1:2018)
Paints and varnishes – Determination of resistance to filiform corrosion – Part 1: Steel substrates (ISO 4623-1:2018; EN ISO 4623-1:2018)
- HRN EN ISO 7783:2019 en pr
Boje i lakovi – Određivanje svojstava prijenosa vodene pare – Metoda s posudom (ISO 7783:2018; EN ISO 7783:2018)
Paints and varnishes – Determination of water-vapour transmission properties – Cup method (ISO 7783:2018; EN ISO 7783:2018)
- HRN EN ISO 8130-1:2019 en pr
Praškasti prekrivni materijali – 1. dio: Određivanje raspodjele veličine čestica prosijavanjem (ISO 8130-1:2019; EN ISO 8130-1:2019)
Coating powders – Part 1: Determination of particle size distribution by sieving (ISO 8130-1:2019; EN ISO 8130-1:2019)
- HRN EN ISO 8130-7:2019 en pr
Praškasti prekrivni materijali – 7. dio: Određivanje gubitka mase pri pečenju (ISO 8130-7:2019; EN ISO 8130-7:2019)
Coating powders – Part 7: Determination of loss of mass on stoving (ISO 8130-7:2019; EN ISO 8130-7:2019)
- HRN EN ISO 8130-11:2019 en pr
Praškasti prekrivni materijali – 11. dio: Ispitivanje rasprostiranja na kosini (ISO 8130-11:2019; EN ISO 8130-11:2019)
Coating powders – Part 11: Inclined-plane flow test (ISO 8130-11:2019; EN ISO 8130-11:2019)
- HRN EN ISO 8130-12:2019 en pr
Praškasti prekrivni materijali – 12. dio: Određivanje kompatibilnosti (ISO 8130-12:2019; EN ISO 8130-12:2019)
Coating powders – Part 12: Determination of compatibility (ISO 8130-12:2019; EN ISO 8130-12:2019)
- HRN EN ISO 8130-13:2019 en pr
Praškasti prekrivni materijali – 13. dio: Analiza veličine čestica laserskom difrakcijom (ISO 8130-13:2019; EN ISO 8130-13:2019)
Coating powders – Part 13: Particle size analysis by laser diffraction (ISO 8130-13:2019; EN ISO 8130-13:2019)
- HRN EN ISO 8130-14:2019 en pr
Praškasti prekrivni materijali – 14. dio: Terminologija (ISO 8130-14:2019; EN ISO 8130-14:2019)
Coating powders – Part 14: Terminology (ISO 8130-14:2019; EN ISO 8130-14:2019)
- HRN EN ISO 8504-3:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode pripreme površina – 3. dio: Čišćenje s ručnim i strojnim alatima (ISO 8504-3:2018; EN ISO 8504-3:2018)
Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 3: Hand-and power-tool cleaning (ISO 8504-3:2018; EN ISO 8504-3:2018)
- HRN EN ISO 10927:2019 en pr
Plastika – Određivanje molekularne mase i raspodjele molekularne mase polimernih vrsta matricom pomoću laserske desorpcije/ionizacije vremenske masene spektroskopije (MALDI-TOF-MS) (ISO 10927:2018; EN ISO 10927:2018)
Plastics – Determination of the molecular mass and molecular mass distribution of polymer species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) (ISO 10927:2018; EN ISO 10927:2018)
- HRN EN ISO 11124-1:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 1. dio: Opći uvod i razredba (ISO 11124-1:2018; EN ISO 11124-1:2018)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 1: General introduction and classification (ISO 11124-1:2018; EN ISO 11124-1:2018)
- HRN EN ISO 11124-2:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 2. dio: Troska lijevanog željeza (ISO 11124-2:2018; ispravljena verzija 2018-12; EN ISO 11124-2:2018)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 2: Chilled-iron grit (ISO 11124-2:2018, Corrected version 2018-12; EN ISO 11124-2:2018)
- HRN EN ISO 11124-3:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 3. dio: Visokouglični lijevani čelik i čelična sačma (ISO 11124-3:2018; EN ISO 11124-3:2018)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 3: High-carbon cast-steel shot and grit (ISO 11124-3:2018; EN ISO 11124-3:2018)
- HRN EN ISO 11124-4:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 4. dio: Niskouglična čelična sačma (ISO 11124-4:2018; EN ISO 11124-4:2018)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 4: Low-carbon cast-steel shot (ISO 11124-4:2018; EN ISO 11124-4:2018)
- HRN EN ISO 11125-1:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11125-1:2018; EN ISO 11125-1:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11125-1:2018; EN ISO 11125-1:2018)
- HRN EN ISO 11125-2:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11125-2:2018; EN ISO 11125-2:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11125-2:2018; EN ISO 11125-2:2018)
- HRN EN ISO 11125-3:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 3. dio: Određivanje tvrdoće (ISO 11125-3:2018; EN ISO 11125-3:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 3: Determination of hardness (ISO 11125-3:2018; EN ISO 11125-3:2018)
- HRN EN ISO 11125-4:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 4. dio: Određivanje prividne gustoće (ISO 11125-4:2018; EN ISO 11125-4:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 4: Determination of apparent density (ISO 11125-4:2018; EN ISO 11125-4:2018)

- HRN EN ISO 11125-5:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 5. dio: Određivanje postotnog udjela oštećenih čestica i mikrostrukture (ISO 11125-5:2018; EN ISO 11125-5:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 5: Determination of percentage defective particles and of microstructure (ISO 11125-5:2018; EN ISO 11125-5:2018)
- HRN EN ISO 11125-6:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 6. dio: Određivanje stranih tvari (ISO 11125-6:2018; EN ISO 11125-6:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 6: Determination of foreign matter (ISO 11125-6:2018; EN ISO 11125-6:2018)
- HRN EN ISO 11125-7:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 7. dio: Određivanje vlažnosti (ISO 11125-7:2018; EN ISO 11125-7:2018)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 7: Determination of moisture (ISO 11125-7:2018; EN ISO 11125-7:2018)
- HRN EN ISO 11126-1:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 1. dio: Opći uvod i razredba (ISO 11126-1:2018; EN ISO 11126-1:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 1: General introduction and classification (ISO 11126-1:2018; EN ISO 11126-1:2018)
- HRN EN ISO 11126-3:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 3. dio: Troska dobivena postupkom rafiniranja bakra (ISO 11126-3:2018; EN ISO 11126-3:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 3: Copper refinery slag (ISO 11126-3:2018; EN ISO 11126-3:2018)
- HRN EN ISO 11126-4:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 4. dio: Troska dobivena sagorijevanjem ugljena (ISO 11126-4:2018; EN ISO 11126-4:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 4: Coal furnace slag (ISO 11126-4:2018; EN ISO 11126-4:2018)
- HRN EN ISO 11126-5:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 5. dio: Troska dobivena postupkom rafiniranja nikla (ISO 11126-5:2018; EN ISO 11126-5:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 5: Nickel slag (ISO 11126-5:2018; EN ISO 11126-5:2018)
- HRN EN ISO 11126-6:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 6. dio: Željezna troska iz visoke peći (ISO 11126-6:2018; EN ISO 11126-6:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 6: Iron furnace slag (ISO 11126-6:2018; EN ISO 11126-6:2018)
- HRN EN ISO 11126-7:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 7. dio: Troska nakon taljenja aluminijevog oksida (ISO 11126-7:2018; EN ISO 11126-7:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 7: Fused aluminium oxide (ISO 11126-7:2018; EN ISO 11126-7:2018)
- HRN EN ISO 11126-8:2019 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 8. dio: Olivinski pijesak (ISO 11126-8:2018, ispravljena verzija 2018-11; EN ISO 11126-8:2018)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 8: Olivine (ISO 11126-8:2018, Corrected version 2018-11; EN ISO 11126-8:2018)
- HRN EN 14110:2019 en pr
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja metanola (EN 14110:2019)
Fat and oil derivatives – Fatty Acid Methyl Esters – Determination of methanol content (EN 14110:2019)
- HRN EN 16402:2019 en pr
Boje i lakovi – Procjena emisija tvari iz prevlaka u zatvorenom prostoru – Uzorkovanje, kondicioniranje i ispitivanje (EN 16402:2019)
Paints and varnishes – Assessment of emissions of substances from coatings into indoor air – Sampling, conditioning and testing (EN 16402:2019)
- HRN EN 17120:2019 en pr
Fotokatalizatori – Pročišćavanje vode – Ocjenjivanje svojstava fotokatalitičkih materijala mjerenjem degradacije fenola (EN 17120:2019)
Photocatalysis – Water purification – Performance of photocatalytic materials by measurement of phenol degradation (EN 17120:2019)
- HRN EN ISO 18314-1:2019 en pr
Analitička kolorimetrija – 1. dio: Praktično mjerenje boje (ISO 18314-1:2015; EN ISO 18314-1:2018)
Analytical colorimetry – Part 1: Practical colour measurement (ISO 18314-1:2015; EN ISO 18314-1:2018)
- HRN EN ISO 18314-2:2019 en pr
Analitička kolorimetrija – 2. dio: Saundersonova korekcija, rješenje Kubelka-Munkove jednadžbe, jakost obojenja, pokrivnost (ISO 18314-2:2015; EN ISO 18314-2:2018)
Analytical colorimetry – Part 2: Saunderson correction, solutions of the Kubelka-Munk equation, tinting strength, hiding power (ISO 18314-2:2015; EN ISO 18314-2:2018)
- HRN EN ISO 18314-3:2019 en pr
Analitička kolorimetrija – 3. dio: Posebni indeksi (ISO 18314-3:2015; EN ISO 18314-3:2018)
Analytical colorimetry – Part 3: Special indices (ISO 18314-3:2015; EN ISO 18314-3:2018)
- HRN EN ISO 18451-1:2019 en pr
Pigmenti, bojila i punila – Nazivlje – 1. dio: Opći nazivi (ISO 18451-1:2019; EN ISO 18451-1:2019)
Pigments, dyestuffs and extenders – Terminology – Part 1: General terms (ISO 18451-1:2019; EN ISO 18451-1:2019)
- HRN EN ISO 18451-2:2019 en pr
Pigmenti, bojila i punila – Nazivlje – 2. dio: Razredba materijala za bojenje prema kolorističkim i kemijskim aspektima (ISO 18451-2:2018; EN ISO 18451-2:2018)
Pigments, dyestuffs and extenders – Terminology – Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2018; EN ISO 18451-2:2018)
- HRN EN ISO 18473-1:2019 en pr
Funkcionalni pigmenti i punila za posebne primjene – 1. dio: Nanočestice kalcijevog karbonata za brtvila (ISO 18473-1:2015; EN ISO 18473-1:2018)
Functional pigments and extenders for special applications – Part 1: Nanoscale calcium carbonate for sealant application (ISO 18473-1:2015; EN ISO 18473-1:2018)
- HRN EN ISO 18473-2:2019 en pr
Funkcionalni pigmenti i punila za posebne primjene – 2. dio: Nanočestice kalcijevog karbonata za sredstva za zaštitu od sunca (ISO 18473-2:2015; EN ISO 18473-2:2018)
Functional pigments and extenders for special applications – Part 2: Nanoscale titanium dioxide for sunscreen application (ISO 18473-2:2015; EN ISO 18473-2:2018)

HRN EN ISO 23900-4:2019 en pr
Pigmenti i punila – Metode dispergiranja i ocjena sposobnosti dispergiranja u plastici – 4. dio: Određivanje kolorističkih svojstava i lakoće dispergiranja bijelih pigmenta u polietilenu postupkom dvostrukog valjanja (ISO 23900-4:2015; EN ISO 23900-4:2018)
Pigments and extenders – Methods of dispersion and assessment of dispersibility in plastics – Part 4: Determination of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling (ISO 23900-4:2015; EN ISO 23900-4:2018)

HRN EN ISO 23900-5:2019 en pr
Pigmenti i punila – Metode dispergiranja i ocjena sposobnosti dispergiranja u plastici – 5. dio: Određivanje metodom tlaka pomoću filtra (ISO 23900-5:2015; EN ISO 23900-5:2018)
Pigments and extenders – Methods of dispersion and assessment of dispersibility in plastics – Part 5: Determination by filter pressure value test (ISO 23900-5:2015; EN ISO 23900-5:2018)

HRN EN ISO 23900-6:2019 en pr
Pigmenti i punila – Metode disperzije i ocjenjivanja nesposobnosti disperzije u plastici – 6. dio: Određivanje ispitivanjem filma (ISO 23900-6:2015; EN ISO 23900-6:2018)
Pigments and extenders – Methods of dispersion and assessment of dispersibility in plastics – Part 6: Determination by film test (ISO 23900-6:2015; EN ISO 23900-6:2018)

HRN EN ISO/ASTM 52901:2019 en pr
Aditivna proizvodnja – Opća načela – Zahtjevi za kupljene dijelove nastale aditivnom proizvodnjom (ISO/ASTM 52901:2017; EN ISO/ASTM 52901:2018)
Additive manufacturing – General principles – Requirements for purchased AM parts (ISO/ASTM 52901:2017; EN ISO/ASTM 52901:2018)

HZN/TU I2, *Strojarstvo 2*

HRN EN 13814-1:2019 en pr
Sigurnost vožnje i uređaja u zabavnim parkovima – 1. dio: Projektiranje i izrada (EN 13814-1:2019)
Safety of amusement rides and amusement devices – Part 1: Design and manufacture (EN 13814-1:2019)

HRN EN 13814-2:2019 en pr
Sigurnost vožnje i uređaja u zabavnim parkovima – 2. dio: Rukovanje, održavanje i upotreba (EN 13814-2:2019)
Safety of amusement rides and amusement devices – Part 2: Operation, maintenance and use (EN 13814-2:2019)

HRN EN 13814-3:2019 en pr
Sigurnost vožnje i uređaja u zabavnim parkovima – 3. dio: Zahtjevi za inspekciju tijekom projektiranja, izrade, rukovanja i upotrebe (EN 13814-3:2019)
Safety of amusement rides and amusement devices – Part 3: Requirements for inspection during design, manufacture, operation and use (EN 13814-3:2019)

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 9202:2019 en pr
Nakit i plemeniti metali – Finoća legura plemenitih metala (ISO 9202:2019; EN ISO 9202:2019)
Jewellery and precious metals – Fineness of precious metal alloys (ISO 9202:2019; EN ISO 9202:2019)

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

HRN EN ISO 9873:2019 en pr
Stomatologija – Intraoralna ogledala (ISO 9873:2019; EN ISO 9873:2019)
Dentistry – Intra-oral mirrors (ISO 9873:2019; EN ISO 9873:2019)

HZN/TU V1, *Elektronika 1*

HRN EN IEC 60384-17:2019 en pr
Fixed capacitors for use in electronic equipment – Part 17: Sectional specification: Fixed metallized polypropylene film dielectric a.c. and pulse capacitors (IEC 60384-17:2019; EN IEC 60384-17:2019)

HRN EN IEC 60749-17:2019 en pr
Poluvodičke komponente – Metode za mehanička i klimatska ispitivanja – 17. dio: Neutronsko zračenje (IEC 60749-17:2019; EN IEC 60749-17:2019)
Semiconductor devices – Mechanical and climatic test methods – Part 17: Neutron irradiation (IEC 60749-17:2019; EN IEC 60749-17:2019)

HRN EN IEC 60749-18:2019 en pr
Poluvodičke komponente – Metode za mehanička i klimatska ispitivanja – 18. dio: Ionizirajuće zračenje (ukupna doza) (IEC 60749-18:2019; EN IEC 60749-18:2019)
Semiconductor devices – Mechanical and climatic test methods – Part 18: Ionizing radiation (total dose) (IEC 60749-18:2019; EN IEC 60749-18:2019)

HRN EN IEC 60793-1-40:2019 en pr
Optička vlakna – Dio 1-40: Metode mjerenja prigušenja (IEC 60793-1-40:2019; EN IEC 60793-1-40:2019)
Optical fibres – Part 1-40: Attenuation measurement methods (IEC 60793-1-40:2019; EN IEC 60793-1-40:2019)

HRN EN IEC 60794-2-11:2019 en pr
Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling (IEC 60794-2-11:2019; EN IEC 60794-2-11:2019)

HRN EN IEC 60794-2-21:2019 en pr
Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2019; EN IEC 60794-2-21:2019)

HRN EN IEC 60794-2-30:2019 en pr
Optical fibre cables – Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables for use in terminated cable assemblies (IEC 60794-2-30:2019; EN IEC 60794-2-30:2019)

HRN EN IEC 60794-2-31:2019 en pr
Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling (IEC 60794-2-31:2019; EN IEC 60794-2-31:2019)

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

HRN EN IEC 61315:2019 en pr
Calibration of fibre-optic power meters (IEC 61315:2019; EN IEC 61315:2019)

HRN EN IEC 61754-7-3:2019 en pr
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 7-3: Type MPO connector family – Two fibre rows 16 fibre wide (IEC 61754-7-3:2019; EN IEC 61754-7-3:2019)

HRN EN 140401-804:2012/A2:2019 en pr
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage velike postojanosti za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 0,1; 0,25 (EN 140401-804:2011/A2:2019)
Detail Specification: Fixed low power film high stability SMD resistors – Rectangular – Stability classes 0,1; 0,25 (EN 140401-804:2011/A2:2019)

HZN/TU W1, *Energetska elektrotehnika 1*

HRN EN 50194-2:2019 en pr
Električna oprema za otkrivanje zapaljivih plinova u kućanskim prostorima – 2. dio: Električna oprema za neprekidni rad u fiksnim instalacijama u vozilima za kampiranje i sličnim prostorima – Dodatne metode ispitivanja i izvedbeni zahtjevi (EN 50194-2:2019)
Electrical apparatus for the detection of combustible gases in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises – Additional test methods and performance requirements (EN 50194-2:2019)

HRN EN 60704-2-14:2013/A1:2019 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-14: Posebni zahtjevi za hladnjake, komore za smrznutu hranu i zamrzivače (IEC 60704-2-14:2013/am1:2019; EN 60704-2-14:2013/A1:2019)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:2013/am1:2019; EN 60704-2-14:2013/A1:2019)

HRN EN IEC 62281:2019 en pr
Sigurnost primarnih i sekundarnih litijevih članaka i baterija tijekom transporta (IEC 62281:2019; EN IEC 62281:2019)
Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2019; EN IEC 62281:2019)

HRN EN 62841-2-21:2019 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-21: Posebni zahtjevi za ručne čistače odvoda (IEC 62841-2-21:2017, MOD; EN 62841-2-21:2019)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-21: Particular requirements for hand-held drain cleaners (IEC 62841-2-21:2017, MOD; EN 62841-2-21:2019)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

HZN/TO 8, *Brodogradnja*

prEN ISO 8099-2 en
Small craft – Waste systems – Part 2: Sewage treatment systems (ISO/DIS 8099-2:2019)

HZN/TO 43, *Akustika*

prEN ISO 5135 en
Acoustics – Determination of sound power levels of noise from air-terminal devices, air-terminal units, dampers and valves by measurement in a reverberation test room (ISO/DIS 5135:2019)

EN ISO 11202:2010/prA1 en
Acoustics – Noise emitted by machinery and equipment – Determination of emission sound pressure levels at a work station and at other specified positions applying approximate environmental corrections (ISO 11202:2010/DAmD 1:2019)
Akustika – Buka koju emitiraju strojevi i oprema – Određivanje razina zvučnoga tlaka emisije na radnome mjestu i drugim specificiranim mjestima primjenom približnih korekcija utjecaja okoliša (ISO 11202:2010/DAmD 1:2019)

HZN/TO 44, *Zavarivanje i srodni postupci*

prEN ISO 9455-16 en
Soft soldering fluxes – Test methods – Part 16: Flux efficacy test, wetting balance method (ISO/FDIS 9455-16:2019)
Talila za meko lemljenje – Metode ispitivanja – 16. dio: Ispitivanje učinkovitosti talila, metoda uravnoteženog vlaženja (ISO/FDIS 9455-16:2019)

prEN ISO 15614-7 en
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 7: Overlay welding (ISO 15614-7:2016)
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 7. dio: Navarivanje (ISO 15614-7:2016)

prEN ISO 25239-1 en
Friction stir welding – Aluminium – Part 1: Vocabulary (ISO/DIS 25239-1:2019)
Zavarivanje trenjem uz miješanje – Aluminij – 1. dio: Terminološki rječnik (ISO/DIS 25239-1:2019)

prEN ISO 25239-2 en
Friction stir welding – Aluminium – Part 2: Design of weld joints (ISO/DIS 25239-2:2019)
Zavarivanje trenjem uz miješanje – Aluminij – 2. dio: Oblikovanje zavarenih spojeva (ISO/DIS 25239-2:2019)

prEN ISO 25239-3 en
Friction stir welding – Aluminium – Part 3: Qualification of welding operators (ISO/DIS 25239-3:2019)
Zavarivanje trenjem uz miješanje – Aluminij – 3. dio: Osposobljenost rukovatelja zavarivanja (ISO/DIS 25239-3:2019)

prEN ISO 25239-4 en
Friction stir welding – Aluminium – Part 4: Specification and qualification of welding procedures (ISO/DIS 25239-4:2019)
Zavarivanje trenjem uz miješanje – Aluminij – 4. dio: Specifikacija i osposobljenost za zavarivačke postupke (ISO/DIS 25239-4:2019)

prEN ISO 25239-5 en
Friction stir welding – Aluminium – Part 5: Quality and inspection requirements (ISO/DIS 25239-5:2019)
Zavarivanje trenjem uz miješanje – Aluminij – 5. dio: Zahtjevi za kvalitetu i inspekciju (ISO/DIS 25239-5:2019)

HZN/TO 89, *Furniri i drvene ploče*

prEN ISO 12460-3 en
Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method (ISO/DIS 12460-3:2019)
Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 3. dio: Metoda analize plina (ISO/DIS 12460-3:2019)

HZN/TO 121, *Anestetička i respiracijska oprema*

prEN ISO 23368 en
Anaesthetic and respiratory equipment – Low flow nasal cannulae for oxygen therapy (ISO/DIS 23368:2019)

HZN/TO 134, *Gnojiva i poboljšivači tla*

prEN ISO 15604 en
Fertilizers – Determination of different forms of nitrogen in the same sample, containing nitrogen as nitric, ammoniacal, urea and cyanamide nitrogen (ISO 15604:2016)

prEN ISO 15959 en
Fertilizers – Determination of extracted phosphorus (ISO 15959:2016)

prEN ISO 25475 en
Fertilizers – Determination of ammoniacal nitrogen (ISO 25475:2016)

prEN ISO 25705 en
Fertilizers – Determination of urea condensates using high-performance liquid chromatography (HPLC) – Isobutylidenediurea and crotonylidenediurea (method A) and methylene-urea oligomers (method B) (ISO 25705:2016)

HZN/TO 135, *Nerazorna ispitivanja*

prEN 17391 en
Non-destructive testing – Acoustic emission testing – In-service acoustic emission monitoring of metallic pressure equipment and structures – General requirements
Nerazorno ispitivanje – Ispitivanje akustičkom emisijom – Praćenje akustičkih emisija metalne opreme pod tlakom i konstrukcija – Opći zahtjevi

HZN/TO 179, *Zidane konstrukcije*

prEN 1745 en
Masonry and masonry products – Methods for determining thermal properties
Zidovi i proizvodi za zidanje – Metode određivanja toplinskih svojstava

HZN/TO 182, *Geotehničke konstrukcije*

prEN 12715 en
Execution of special geotechnical work – Grouting
Izvedba posebnih geotehničkih radova – Injektiranje

HZN/TO 503, *Metalni materijali*

prEN 10372 en
Quality tracking system for flat steel products using barcode – Printing, reading and information processing
Sustav praćenja kvalitete za plosnate čelične proizvode upotrebom barkoda – Tiskanje, očitavanje i obrada informacija

prEN ISO 12004-1 en
Metallic materials – Sheet and strip – Determination of forming-limit curves – Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO/DIS 12004-1:2019)
Metalni materijali – Lim i traka – Određivanje krivulja granice oblikovanja – 1. dio: Mjerenje i primjena dijagrama granice oblikovanja u kovačnici (ISO/DIS 12004-1:2019)

prEN ISO 12004-2 en
Metallic materials – Sheet and strip – Determination of forming-limit curves – Part 2: Determination of forming-limit curves in the laboratory (ISO/DIS 12004-2:2019)
Metalni materijali – Lim i traka – Određivanje krivulja granice oblikovanja – 2. dio: Određivanje krivulja granice oblikovanja u laboratoriju (ISO/DIS 12004-2:2019)

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

prEN ISO 18647 en
Petroleum and natural gas industries – Modular drilling rigs for offshore fixed platforms (ISO 18647:2017)
Industrija nafte i prirodnoga plina – Modularne bušilice za odobalne fiksne platforme (ISO 18647:2017)

prEN ISO 19905-3 en
Petroleum and natural gas industries – Site-specific assessment of mobile offshore units – Part 3: Floating unit (ISO 19905-3:2017)
Industrija nafte i prirodnoga plina – Procjena specifičnosti lokacije za pokretne odobalne jedinice – 3. dio: Plutajuća jedinica (ISO 19905-3:2017)

prEN ISO 35101 en
Petroleum and natural gas industries – Arctic operations – Working environment (ISO 35101:2017)
Industrija nafte i prirodnoga plina – Operacije na Arktiku – Radno okruženje (ISO 35101:2017)

prEN ISO 35103 en
Petroleum and natural gas industries – Arctic operations – Environmental monitoring (ISO 35103:2017)
Industrija nafte i prirodnoga plina – Operacije na Arktiku – Praćenje stanja okoliša (ISO 35103:2017)

prEN ISO 35106 en
Petroleum and natural gas industries – Arctic operations – Metocean, ice, and seabed data (ISO 35106:2017)
Industrija nafte i prirodnoga plina – Operacije na Arktiku – Meteorološko-oceanografski podaci, podaci o ledu i oceanskom dnu (ISO 35106:2017)

HZN/TO 528, Oprema za željeznice

prEN 14730-2 en
Railway applications – Track – Aluminothermic welding of rails – Part 2: Qualification of aluminothermic welders, approval of contractors and acceptance of welds
Željeznički sustav – Željeznički gornji ustroj – Aluminotermijsko zavarivanje tračnica – 2. dio: Osposobljavanje zavarivača aluminotermitskim postupkom, odobravanje izvođača radova na zavarivanju i preuzimanje zavara

EN 16334:2014/prA1:2019 en
Railway applications – Passenger Alarm System – Part 1: System requirements for mainline rail
Željeznički sustav – Sustav alarmiranja od strane putnika – 1. dio: Zahtjevi za sustav

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

prEN 619 en
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of unit loads
Prenosila i sustavi neprekidne dobave – Sigurnosni i EMC zahtjevi za opremu mehaničke dobave komadnog tereta

HZN/TO 531, Plastika i guma

prEN 13067 en
Plastics welding personnel – Qualification of welders – Thermoplastics welded assemblies

prEN ISO 20337 en
Fibre-reinforced plastic composites – Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus (ISO 20337:2018)

HZN/TO 534, Spremnici za teret

prEN 13094 en
Tanks for the transport of dangerous goods – Metallic gravity discharge tanks – Design and construction

HZN/TO 539, Kemijski dezinficijensi i antiseptici

prEN 17387 en
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or yeasticidal and/or fungicidal activity of chemical disinfectants used in medical area – Part rev: Test method and requirements without mechanical action (phase 2, step 2)

HZN/TO 554, Obrada otpadnih voda

prEN 12255-16 en
Wastewater treatment plants – Part 16: Physical (mechanical) filtration
Uređaji za pročišćavanje otpadnih voda – 16. dio: Fizikalna (mehanička) filtracija

HZN/TO 555, Medicinski proizvodi

prEN ISO 10993-12 en
Biological evaluation of medical devices – Part 12: Sample preparation and reference materials (ISO/DIS 10993-12:2019)
Biološka procjena medicinskih proizvoda – 12. dio: Priprema uzoraka i referentni materijali (ISO/DIS 10993-12:2019)

prEN ISO 10993-23 en
Biological evaluation of medical devices – Part 23: Tests for irritation (ISO/DIS 10993-23:2019)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

prEN 15714-5 en
Industrial valves – Actuators – Part 5: Pneumatic linear actuators for industrial valves – Basic requirements
Industrijski ventili – Pogoni ventila – 5. dio: Pneumatski linearni pogoni industrijskih ventila – Osnovni zahtjevi

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

EN 13445-3:2014/prA20:2019 en
Unfired pressure vessels – Part 3: Design
Neložene tlačne posude – 3. dio: Projektiranje

EN 13445-10:2015/prA1:2019 en
Unfired pressure vessels – Part 10: Additional requirements for pressure vessels of nickel and nickel alloys
Neložene tlačne posude – 10. dio: Dodatni zahtjevi za tlačne posude od nikla i legura nikla

prEN 13445-12 en
Unfired pressure vessels – Part 12: Additional requirements for pressure vessels of copper and copper alloys
Neložene tlačne posude – 12. dio: Dodatni zahtjevi za tlačne posude od bakra i legura bakra

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

ISO 16649-1:2018 en
Microbiology of the food chain – Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli – Part 1: Colony-count technique at 44 degrees C using membranes and 5-bromo-4-chloro-3-indolyl beta-D-glucuronide
Mikrobiologija u lancu hrane – Metoda brojenja beta-glucuronidasa pozitivne Escherichia coli – 1. dio: Brojenje kolonija pri 44 °C uporabom membranske filtracije i 5-bromo-4-chloro-3-indolyl beta-D-glucuronide

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

prEN 50600-4-6:2019 en
Information technology – Data centre facilities and infrastructures – Part 4-6: Energy Reuse Factor

prEN 50600-4-7:2019 en
Information technology – Data centre facilities and infrastructures – Part 4-7: Cooling Efficiency Ratio (CER)

HZN/TO T4, Normizacija u telekomunikacijama

- Final draft EN 300 338-1 V1.5.0:2019 en
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements
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 – 1. dio: Opći zahtjevi
- Draft EN 300 392-7 V3.5.0:2019 en
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 7: Security
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) – 7. dio: Sigurnost
- Draft EN 300 468 V1.16.1:2019 en
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za servisne informacije (SI) u DVB sustavima
- Draft EN 300 674-2-2 V2.2.0:2019 en
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 2: On-Board Units (OBU)
Telematika cestovnog prijevoza i prometa (TTT) – Komunikacijska oprema kratkoga dometa (DSRC) za prijenos signala brzinama (500 kbit/s/250 kbit/s) koja radi u pojasu od 5 795 MHz do 5 815 MHz – Harmonizirana norma za pristup radijskom spektru – 2. poddio: Jedinice na vozilu (OBU)
- Draft EN 301 489-1 V2.2.1:2019 en
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 1: Common technical requirements – Harmonised Standard for ElectroMagnetic Compatibility
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 1. dio: Opći tehnički zahtjevi – Harmonizirana norma za elektromagnetsku kompatibilnost
- Draft EN 302 066 V2.2.0:2019 en
Short Range Devices (SRD) – Ground- and Wall- Probing Radio determination (GPR/WPR) devices – Harmonised Standard for access to radio spectrum
Uređaji kratkoga dometa (SRD) – Radarski uređaji za određivanje odraza od zemlje i od krute prepreke (GPR/WPR) – Harmonizirana norma za pristup radijskom spektru
- Draft EN 302 636-4-1 V1.4.0:2019 en
Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 1: Media-Independent Functionality
Inteligentni transportni sustavi (ITS) – Komunikacije među vozilima – Geomrežavanje – 4. dio: Geoadresiranje i proslijeđivanje za komunikacije točka-točka i točka-točke – 1. poddio: Medijski neovisna funkcionalnost
- Draft EN 302 663 V1.3.0:2019 en
Intelligent Transport Systems (ITS) – ITS-G5 Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band
Inteligentni transportni sustavi (ITS) – ITS-G5 Specifikacije pristupnog sloja za inteligentne transportne sustave koji rade u frekvencijskom pojasu od 5 MHz
- Draft EN 303 213-6-1 V3.1.0:2019 en
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 6: Harmonised Standard for access to radio spectrum for deployed surface movement radar sensors – Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW
Napredni sustav vođenja i kontrole kretanja površinom (A-SMGCS) – 6. dio: Harmonizirana norma za pristup radijskom spektru za stavljanje u uporabu radarskih senzora kretanja površinom – 1. poddio: Senzori u X-području s impulsnim signalima i snagom odašiljanja do 100 kW

- Draft EN 303 347-1 V1.1.0:2019 en
Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 1: S band Meteorological Radar Sensor operating in the frequency band 2 700 MHz to 2 900 MHz
Meteorološki radari – Harmonizirana norma za pristup radijskom spektru – 1. dio: Senzor meteorološkog radara S pojava koji radi u frekvencijskom pojasu od 2 700 MHz do 2 900 MHz
- Draft EN 303 347-2 V1.1.0:2019 en
Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 2: C band Meteorological Radar Sensor operating in the frequency band 5 250 MHz to 5 850 MHz
Meteorološki radari – Harmonizirana norma za pristup radijskom spektru – 2. dio: Senzor meteorološkog radara C pojava koji radi u frekvencijskom pojasu od 5 250 MHz do 5 850 MHz
- Draft EN 303 347-3 V1.1.0:2019 en
Meteorological Radars – Harmonised Standard for access to radio spectrum – Part 3: X band Meteorological Radar Sensor operating in the frequency band 9 300 MHz to 9 500 MHz
Meteorološki radari – Harmonizirana norma za pristup radijskom spektru – 3. dio: Senzor meteorološkog radara X pojava koji radi u frekvencijskom pojasu od 9 300 MHz do 9 500 MHz
- Draft EN 303 364-3 V1.1.0:2019 en
Primary Surveillance Radar (PSR) – Harmonised Standard for access to radio spectrum – Part 3: Air Traffic Control (ATC) PSR sensors operating in 8 500 MHz to 10 000 MHz frequency band (X band)
Glavni radar za nadzor (PSR) – Harmonizirana norma za pristup radijskom spektru – 3. dio: PSR senzori kontrole zračnoga prometa (ATC) koji rade u frekvencijskom pojasu od 8 300 MHz do 10 000 MHz (X pojas)
- Draft EN 303 613 V1.1.0:2019 en
Intelligent Transport Systems (ITS) – LTE-V2X Access layer specification for Intelligent Transport Systems operating in the 5 GHz frequency band
Inteligentni transportni sustavi (ITS) – LTE-V2X specifikacija pristupnog sloja za inteligentne transportne sustave koji rade u frekvencijskom pojasu od 5 MHz

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

- prEN ISO 12951 en
Textile floor coverings – Determination of mass loss, fibre bind and stair nosing appearance change using the Lisson Tretrad machine (ISO/DIS 12951:2019)
Tekstilne podne obloge – Određivanje gubitka mase, vezanja vlakana i promjene izgleda ruba gazišta stuba pomoću Lisson Tretrad uređaja (ISO/DIS 12951:2019)

HZN/TU B1, Graditeljstvo 1

- prEN 17210 en
Accessibility and usability of the built environment – Functional requirements
Pristupačnost i upotrebljivost izgrađenog okoliša – Funkcionalni zahtjevi

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

- prEN ISO 660 en
Animal and vegetable fats and oils – Determination of acid value and acidity (ISO/DIS 660:2019)
Životinjske i biljne masti i ulja – Određivanje kiselinskog broja i kiselosti (ISO/DIS 660:2019)
- prEN ISO 8501-4 en
Preparation of steel substrates before application of paints and related products – Visual assessment of surface cleanliness – Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with water jetting (ISO/DIS 8501-4:2019)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Vizualna procjena čistoće površine – 4. dio: Početno stanje površine, stupanj pripreme i vidljivi stupanj hrđe nakon primjene vodenog mlaza (ISO/DIS 8501-4:2019)

prEN ISO 8502-6 en

Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 6: Extraction of water soluble contaminants for analysis – The Bresle method (ISO/DIS 8502-6:2019)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 6. dio: Ekstrakcija onečišćenja topljivih u vodi za analize – Bresleova metoda (ISO/DIS 8502-6:2019)

prEN ISO 8502-9 en

Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 9: Field method for the conductometric determination of water-soluble salts (ISO/DIS 8502-9:2019)
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 9. dio: Terenska metoda konduktometrijskog određivanja soli topljivih u vodi (ISO/DIS 8502-9:2019)

prEN ISO 12944-5 en

Paints and varnishes – Corrosion protection of steel structures by protective paint systems – Part 5: Protective paint systems (ISO/FDIS 12944-5:2019)
Boje i lakovi – Zaštita od korozije čeličnih konstrukcija zaštitnim sustavima boja – 5. dio: Zaštitni sustavi boja (ISO/FDIS 12944-5:2019)

prEN ISO/ASTM 52941 en

Additive manufacturing – System performance and reliability – Standard test method for acceptance of powder-bed fusion machines for metallic materials for aerospace application (ISO/ASTM/DIS 52941:2019)
Aditivna proizvodnja – Radna svojstva i pouzdanost sustava – Standardna metoda ispitivanja za prihvaćanje strojeva za stapanje praškastih slojeva metalnih materijala za primjenu u zrakoplovstvu (ISO/ASTM/DIS 52941:2019)

prEN ISO/ASTM 52942 en

Additive manufacturing – Qualification principles – Qualifying machine operators of metal powder bed fusion machines and equipment used in aerospace applications (ISO/ASTM/DIS 52942:2019)
Aditivna proizvodnja – Načela ispitivanja kvalificiranosti – Ispitivanje kvalificiranosti rukovatelja strojevima i opremom za stapanje praškastih slojeva metalnih materijala za primjenu u zrakoplovstvu (ISO/ASTM/DIS 52942:2019)

HZN/TU I2, *Strojarstvo 2*

prEN ISO 11665-1 en

Measurement of radioactivity in the environment – Air: radon-222 – Part 1: Origins of radon and its short-lived decay products and associated measurement methods (ISO/FDIS 11665-1:2019)
Mjerenje radioaktivnosti u okolišu – Zrak: radon-222 – 1. dio: Porijeklo radona i njegovih proizvoda kratkotrajnog raspada i pripadajuće metode mjerenja (ISO/FDIS 11665-1:2019)

prEN ISO 11665-2 en

Measurement of radioactivity in the environment – Air: radon-222 – Part 2: Integrated measurement method for determining average potential alpha energy concentration of its short-lived decay products (ISO/FDIS 11665-2:2019)

prEN ISO 19014-4 en

Earth-moving machinery – Functional safety – Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system (ISO/DIS 19014-4:2019)

HZN/TU M1, *Metalni materijali 1*

prEN ISO 4497 en

Metallic powders – Determination of particle size by dry sieving (ISO/DIS 4497:2019)
Metalni prah – Određivanje veličine čestica suhim prosjavanjem (ISO/DIS 4497:2019)

prEN ISO 13517 en

Metallic powders – Determination of flowrate by means of a calibrated funnel (Gustavsson flowmeter) (ISO/DIS 13517:2019)
Metalni prah – Određivanje protoka pomoću umjernoga lijevka (Gustavssonov mjerac protoka) (ISO/DIS 13517:2019)

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

prEN ISO 7886-2 en

Sterile hypodermic syringes for single use – Part 2: Syringes for use with power-driven syringe pumps (ISO/DIS 7886-2:2019)
Sterilne šprice za potkožnu injekciju za jednokratnu upotrebu – 2. dio: Šprice za upotrebu s injekcijskom pumpom na električni pogon (ISO/DIS 7886-2:2019)

prEN ISO 7886-3 en

Sterile hypodermic syringes for single use – Part 3: Auto-disabled syringes for fixed-dose immunization (ISO/DIS 7886-3:2019)
Sterilne šprice za potkožnu injekciju za jednokratnu upotrebu – 3. dio: Šprice s fiksnom dozom cjepiva s automatskom blokadom (ISO/DIS 7886-3:2019)

EN ISO 10555-6:2017/prA1 en

Intravascular catheters – Sterile and single-use catheters – Part 6: Subcutaneous implanted ports (ISO 10555-6:2015/DAM 1:2019)
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 6. dio: Potkožni priključci za kateter (ISO 10555-6:2015/DAM 1:2019)

prEN 17398 en

Patient involvement in health care – Minimum requirements for person-centred care

prEN ISO 17730 en

Dentistry – Fluoride varnishes (ISO/DIS 17730:2019)
Stomatologija – Fluoridni lakovi (ISO/DIS 17730:2019)

prEN ISO 22052 en

Dentistry – Central compressed air source equipment (ISO/DIS 22052:2019)

prEN ISO 22569 en

Dentistry – Multifunction handpieces (ISO/DIS 22569:2019)

prEN ISO 25539-2 en

Cardiovascular implants – Endovascular devices – Part 2: Vascular stents (ISO/DIS 25539-2:2019)
Kardiovaskularni implantati – Endovaskularna sredstva – 2. dio: Vaskularni stentovi (ISO/DIS 25539-2:2019)

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

FprEN 3155-016 en

Aerospace series – Electrical contacts used in elements of connection – Part 016: Contacts, electrical, male, type A, crimp, class S – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 016. dio: Kontakti, električni, muški, tip A, za krimpanje, razreda S – Norma za proizvod

FprEN 3155-017 en

Aerospace series – Electrical contacts used in elements of connection – Part 017: Contacts, electrical, relay base, female, type A, crimp, class P – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 017. dio: Kontakti, električni, relejna osnova, ženski, tip A, za krimpanje, razreda P – Norma za proizvod

prEN 3155-044 en

Aerospace series – Electrical contacts used in elements of connection – Part 044: Contacts, electrical, male 044, type A, double crimping, class T – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 044. dio: Kontakti, električni, muški 044, tip A, dvostruko krimpani, razreda T – Norma za proizvod

FprEN 3155-045 en

Aerospace series – Electrical contacts used in elements of connection – Part 045: Contacts, electrical, female, type A, double crimping, class T – Product standard
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 045. dio: Kontakti, električni, ženski, tip A, dvostruko krimpani, razreda T – Norma za proizvod

- FprEN 3660-062 en
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 062: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed, self-locking – Product standard
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – 062. dio: Kabelski izlaz, tip K, 90°, za elemente koje se skupljaju na toplini, oklopljeni, zabrtvljeni, samozatvarajući – Norma za proizvod
- FprEN 3792 en
Aerospace series – Anaerobic polymerisable compounds – Technical specification
- FprEN 4604-006 en
Aerospace series – Cable, electrical, for signal transmission – Part 006: Cable, coaxial, 50 ohms, 200 °C, type WM – Product standard
Zrakoplovstvo – Kabel, električni, za prijenos signala – 006. dio: Kabel, koaksijalni, 50 ohm, 200 °C, tip WM – Norma za proizvod
- FprEN 4855-01 en
Aerospace series – ECO efficiency of catering equipment – Part 01: General conditions
- FprEN 4861 en
Aerospace series – Metrological assessment procedure for kinematic fields measured by digital image correlation
- FprEN 4866 en
Aerospace series – Definitions of imperfections and defects in organic matrix composite materials
- FprEN 6046 en
Aerospace series – Bearing, spherical, plain, in corrosion resisting steel – Narrow series – Dimensions and loads – Inch series
- prEN 9208 en
Aerospace series – Programme management – Expression of need – Guidance on and format for (Need) Technical Specification
- prEN 16603-20-06 en
Space engineering – Spacecraft charging
Svemirski inženjersvo – Električna punjenja i pražnjenja svemirskih letjelica
- prEN 16603-40-07 en
Space engineering – Simulation modelling platform
- prEN 16604-30-03 en
Space – Space Situational Awareness Monitoring – Part 30-03: Observation System Data Message (OSDM)
- prEN 16803-1 en
Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1: Definitions and system engineering procedures for the establishment and assessment of performances
Svemir – Pozicioniranje za cestovne Inteligentne transportne sustave (ITS) korištenjem GNSS – 1. dio: Definicije i postupci projektiranja sustava za utvrđivanje i ocjenjivanje svojstava
- prEN 17404 en
Cycles – Electrically power assisted cycles – EPAC Mountain bikes
- prEN 17406 en
Classification for bicycles usage

HZN/TU W1, Energetska elektrotehnika 1

- EN 50604-1:2016/prAA:2019 en
Secondary lithium batteries for light EV (electric vehicle) applications – Part 1: General safety requirements and test methods Sekundarne litijeve baterije za primjenu na lakim električnim vozilima – 1. dio: Opći zahtjevi za sigurnost i metode ispitivanja

1.4 Povučene hrvatske norme

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

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

HZN/TO 6, Papir, karton i pulpe

- HRN ISO 11093-9:2011 en
Papir i karton – Ispitivanje papirnih cijevi – 9. dio: Određivanje otpornosti na pritisak (ISO 11093-9:2006)
Paper and board – Testing of cores – Part 9: Determination of flat crush resistance (ISO 11093-9:2006)
- zamijenjena s: HRN ISO 11093-9:2019

- HRN EN ISO 12625-1:2011 en,fr,de
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 1. dio: Opće smjernice o nazivlju (ISO 12625-1:2011; EN ISO 12625-1:2011)
Tissue paper and tissue products – Part 1: General guidance on terms (ISO 12625-1:2011; EN ISO 12625-1:2011)
- zamijenjena s: HRN EN ISO 12625-1:2019

HZN/TO 8, Brodogradnja

- HRN EN ISO 11591:2012 en
Motorna mala plovila – Preglednost s mjesta upravljanja (ISO 11591:2011; EN ISO 11591:2011)
Small craft, engine-driven – Field of vision from helm position (ISO 11591:2011; EN ISO 11591:2011)
- zamijenjena s: HRN EN ISO 11591:2019

HZN/TO 28, Naftni proizvodi i maziva

- HRN EN ISO 4264:2008/A1:2013 en
Naftni proizvodi – Izračunavanje cetanskoga indeksa za srednjedestilatna goriva s pomoću jednadžbe s četiri veličine (ISO 4264:2007/Amd 1:2013; EN ISO 4264:2007/A1:2013)
Petroleum products – Calculation of cetane index of middle-distillate fuels by the four-variable equation (ISO 4264:2007/Amd 1:2013; EN ISO 4264:2007/A1:2013)
- zamijenjena s: HRN EN ISO 4264:2018

- HRN EN 12916:2016 en
Naftni proizvodi – Određivanje tipova aromatskih ugljikovodika u srednjim destilatima – Metoda tekućinske kromatografije visokog učinka s detektorom indeksa loma (EN 12916:2016)
Petroleum products – Determination of aromatic hydrocarbon types in middle distillates – High performance liquid chromatography method with refractive index detection (EN 12916:2016)
- zamijenjena s: HRN EN 12916:2019

- HRN EN 23015:1997 en
Naftni proizvodi – Određivanje točke zamućenja (ISO 3015:1992; EN 23015:1994)
Petroleum products – Determination of cloud point (ISO 3015:1992; EN 23015:1994)
- zamijenjena s: HRN EN ISO 3015:2019

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

- HRN EN 15587:2013 en
Žitarice i proizvodi od žitarica – Određivanje količine stranih tvari u krušnoj pšenici (*Triticum aestivum* L.), tvrdoj pšenici (*T.durum* Desf.), raži (*Secale cereale* L.) i stočnom ječmu (*Hordeum vulgare* L.) (EN 15587:2008+A1:2013)
Cereals and cereal products – Determination of Besatz in wheat (*Triticum aestivum* L.), durum wheat (*Triticum durum* Desf.), rye (*Secale cereale* L.) and feed barley (*Hordeum vulgare* L.) (EN 15587:2008+A1:2013)
- zamijenjena s: HRN EN 15587:2019

HZN/TO 44, Zavarivanje i srodni postupci

- HRN EN ISO 5171:2010 en
Oprema za plinsko zavarivanje – Manometri koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima (ISO 5171:2009; EN ISO 5171:2010)
Gas welding equipment – Pressure gauges used in welding, cutting and allied processes (ISO 5171:2009; EN ISO 5171:2010)
- zamijenjena s: HRN EN ISO 5171:2019

HRN EN ISO 14174:2012 en

Dodatni i potrošni materijali za zavarivanje – Praškovi za elektrolučno zavarivanje pod praškom i elektro-zavarivanje pod troskom – Razredba (ISO 14174:2012; EN ISO 14174:2012)
Welding consumables – Fluxes for submerged arc welding and electroslag welding – Classification (ISO 14174:2012; EN ISO 14174:2012)
- zamijenjena s: HRN EN ISO 14174:2019

HRN EN 22401:1999 en

Obložene elektrode – Određivanje djelotvornosti, učinka i koeficijenta taljenja (ISO 2401:1972; EN 22401:1994)
Covered electrodes – Determination of the efficiency, metal recovery and deposition coefficient (ISO 2401:1972; EN 22401:1994)
- zamijenjena s: HRN EN ISO 2401:2019

HRN EN ISO 24598:2013 en

Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, žice punjene praškom i kombinacije žica-prašak za zavarivanje EPP postupkom za čelike otporne na puzanje – Razredba (ISO 24598:2012; EN ISO 24598:2012)
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of creep-resisting steels – Classification (ISO 24598:2012; EN ISO 24598:2012)
- zamijenjena s: HRN EN ISO 24598:2019

HZN/TO 134, Gnojiva i poboljšivači tla

HRN EN 12944-3:2003 en

Gnojiva i tvari za kalcifikaciju – Rječnik – 3. dio: Nazivi koji se odnose na tvari za kalcifikaciju (EN 12944-3:2001)
Fertilizers and liming materials – Vocabulary – Part 3: Terms relating to liming materials (EN 12944-3:2001)
- zamijenjena s: HRN EN 12944-3:2019

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 15549:2010 en

Nerazorno ispitivanje – Ispitivanje vrtložnim strujama – Opća načela (ISO 15549:2008; EN ISO 15549:2010)
Non-destructive testing – Eddy current testing – General principles (ISO 15549:2008; EN ISO 15549:2010)
- zamijenjena s: HRN EN ISO 15549:2019

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

HRS CEN ISO/TS 21003-7:2008 en

Višeslojni cijevni sustavi za instalacije s toplom i hladnom vodom u zgradama – 7. dio: Uputa za ocjenu sukladnosti (ISO/TS 21003-7:2008; CEN ISO/TS 21003-7:2008)
Multilayer piping systems for hot and cold water installations inside buildings – Part 7: Guidance for the assessment of conformity (ISO/TS 21003-7:2008; CEN ISO/TS 21003-7:2008)
- zamijenjena s: HRS CEN ISO/TS 21003-7:2019

HRS CEN ISO/TS 21003-7:2008/A1:2011 en

Višeslojni cijevni sustavi za instalacije s toplom i hladnom vodom u zgradama – 7. dio: Uputa za ocjenu sukladnosti – Amandman 1 (ISO/TS 21003-7:2008/Amd 1:2010; CEN ISO/TS 21003-7:2008/A1:2010)
Multilayer piping systems for hot and cold water installations inside buildings – Part 7: Guidance for the assessment of conformity – Amendment 1 (ISO/TS 21003-7:2008/Amd 1:2010; CEN ISO/TS 21003-7:2008/A1:2010)
- zamijenjena s: HRS CEN ISO/TS 21003-7:2019

HZN/TO 147, Kvaliteta vode

HRN EN ISO 9698:2015 en

Kvaliteta vode – Određivanje koncentracije aktivnosti tricija – Metoda tekućinske scintilacije (ISO 9698:2010; EN ISO 9698:2015)
Water quality – Determination of tritium activity concentration – Liquid scintillation counting method (ISO 9698:2010; EN ISO 9698:2015)
- zamijenjena s: HRN EN ISO 9698:2019

HZN/TO 147/PO 2, Kvaliteta vode; Fizikalno-kemijske metode ispitivanja

HRN ISO 13163:2014 en

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

HZN/TO 215, Medicinska informatika

HRN EN ISO 13120:2014 en

Medicinska informatika – Sintaksa za prikaz sadržaja sustava razredbe u zdravstvenoj zaštiti – Jezik za označavanje razredbe (ClAML) (ISO 13120:2013; EN ISO 13120:2013)
Health informatics – Syntax to represent the content of healthcare classification systems – Classification Markup Language (ClAML) (ISO 13120:2013; EN ISO 13120:2013)
- zamijenjena s: HRN EN ISO 13120:2019

HZN/TO 503, Metalni materijali

HRN EN ISO 6149-1:2008 en

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 6149-1:2006; EN ISO 6149-1:2007)
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 6149-1:2006; EN ISO 6149-1:2007)
- zamijenjena s: HRN EN ISO 6149-1:2019

HRN EN 10210-2:2008 en

Toplo oblikovani šuplji profili od nelegiranih i sitnozrnatih konstrukcijskih čelika – 2. dio: Dopuštena odstupanja, dimenzije i statičke vrijednosti presjeka (EN 10210-2:2006+AC:2007)
Hot finished structural hollow sections of non-alloy and fine grain steels – Part 2: Tolerances, dimensions and sectional properties (EN 10210-2:2006+AC:2007)
- zamijenjena s: HRN EN 10210-2:2019

HRN EN 10219-2:2008 en

Hladno oblikovani šuplji profili za čelične konstrukcije od nelegiranih i sitnozrnatih čelika – 2. dio: Dopuštena odstupanja, dimenzije i statičke vrijednosti presjeka (EN 10219-2:2006)
Cold formed welded structural hollow sections of non-alloy and fine grain steels – Part 2: Tolerances, dimensions and sectional properties (EN 10219-2:2006)
- zamijenjena s: HRN EN 10219-2:2019

HRN EN 10225:2010 en

Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke (EN 10225:2009)
Weldable structural steels for fixed offshore structures – Technical delivery conditions (EN 10225:2009)
- zamijenjena s: HRN EN 10225-1:2019, HRN EN 10225-2:2019, HRN EN 10225-3:2019, HRN EN 10225-4:2019

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 12927-1:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 1. dio: Izborni kriterij za užad i učvršćenja krajeva užeta (EN 12927-1:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 1: Selection criteria for ropes and their end fixings (EN 12927-1:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-2:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 2. dio: Faktori sigurnosti (EN 12927-2:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 2: Safety factors (EN 12927-2:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-3:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 3. dio: Uzdužni upletak 6-pramenoga vučnog i transportnog užeta (EN 12927-3:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 3: Long splicing of 6 strand hauling, carrying hauling and towing ropes (EN 12927-3:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-4:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 4. dio: Učvršćenje krajeva užadi (EN 12927-4:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 4: End fixings (EN 12927-4:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-5:2006 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 5. dio: Skladištenje, prijevoz, ugradnja i zatezanje (EN 12927-5:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 5: Storage, transportation, installation and tensioning (EN 12927-5:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-6:2006 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 6. dio: Kriteriji za stavljanje izvan uporabe (EN 12927-6:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 6: Discard criteria (EN 12927-6:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-7:2006 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 7. dio: Pregled, popravak i održavanje (EN 12927-7:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 7: Inspection, repair and maintenance (EN 12927-7:2004)
- zamijenjena s: HRN EN 12927:2019

HRN EN 12927-8:2006 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Užad – 8. dio: Magnetsko ispitivanje užeta (MIU) (EN 12927-8:2004)
Safety requirements for cableway installations designed to carry persons – Ropes – Part 8: Magnetic rope testing (MRT) (EN 12927-8:2004)
- zamijenjena s: HRN EN 12927:2019

HZN/TO 528, Oprema za željeznice

HRN EN 15355:2011 en
Željeznički sustav – Kočenje – Rasporednici (EN 15355:2008+A1:2010)
Railway applications – Braking – Distributor valves and distributor-isolating devices (EN 15355:2008+A1:2010)
- zamijenjena s: HRN EN 15355:2019

HZN/TO 531, Plastika i guma

HRN EN ISO 178:2011 en
Plastika – Određivanje savojnih svojstava (ISO 178:2010; EN ISO 178:2010)
Plastics – Determination of flexural properties (ISO 178:2010; EN ISO 178:2010)
- zamijenjena s: HRN EN ISO 178:2019

HRN EN ISO 178:2011/A1:2013 en
Plastika – Određivanje savojnih svojstava (ISO 178:2010/Amd 1:2013; EN ISO 178:2010/A1:2013)
Plastics – Determination of flexural properties (ISO 178:2010/Amd 1:2013; EN ISO 178:2010/A1:2013)
- zamijenjena s: HRN EN ISO 178:2019

HRN EN ISO 307:2008 en
Plastika – Poliamidi – Određivanje reducirane viskoznosti (ISO 307:2007; EN ISO 307:2007)
Plastics – Polyamides – Determination of viscosity number (ISO 307:2007; EN ISO 307:2007)
- zamijenjena s: HRN EN ISO 307:2019

HRN EN ISO 307:2008/A1:2013 en
Plastika – Poliamidi – Određivanje reducirane viskoznosti – Amandman 1: Ispravci i dopuna preporuke JIS K 6920-2 (ISO 307:2007/Amd 1:2013; EN ISO 307:2007/A1:2013)
Plastics – Polyamides – Determination of viscosity number – Amendment 1: Corrections, and update to reference to JIS K 6920-2 (ISO 307:2007/Amd 1:2013; EN ISO 307:2007/A1:2013)
- zamijenjena s: HRN EN ISO 307:2019

HRN EN ISO 6721-1:2011 en
Plastika – Određivanje dinamičkih mehaničkih svojstava – 1. dio: Opća načela (ISO 6721-1:2011; EN ISO 6721-1:2011)
Plastics – Determination of dynamic mechanical properties – Part 1: General principles (ISO 6721-1:2011; EN ISO 6721-1:2011)
- zamijenjena s: HRN EN ISO 6721-1:2019

HRN EN ISO 6721-2:2008 en
Plastika – Određivanje dinamičkih mehaničkih svojstava – 2. dio: Metoda torzijskog njihala (ISO 6721-2:2008; EN ISO 6721-2:2008)
Plastics – Determination of dynamic mechanical properties – Part 2: Torsion-pendulum method (ISO 6721-2:2008; EN ISO 6721-2:2008)
- zamijenjena s: HRN EN ISO 6721-2:2019

HRN EN 14423:2016 en
Sklopovi spojnici steznog tipa za upotrebu s crijevima za paru za tlakove do 18 bara (EN 14423:2013+A1:2016)
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar (EN 14423:2013+A1:2016)
- zamijenjena s: HRN EN 14423:2019

HRN EN ISO 15512:2016 en
Plastika – Određivanje sadržaja vode (ISO 15512:2016; EN ISO 15512:2016)
Plastics – Determination of water content (ISO 15512:2016; EN ISO 15512:2016)
- zamijenjena s: HRN EN ISO 15512:2019

HRN EN ISO 17556:2012 en
Plastika – Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u tlu mjerenjem potrošnje kisika u respirometru ili količine nastalog ugljikova dioksida (ISO 17556:2012; EN ISO 17556:2012)
Plastics – Determination of the ultimate aerobic biodegradability of plastic materials in soil by measuring the oxygen demand in a respirometer or the amount of carbon dioxide evolved (ISO 17556:2012; EN ISO 17556:2012)
- zamijenjena s: HRN EN ISO 17556:2019

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

HRN EN ISO 14405-2:2014 en
Geometrijske specifikacije proizvoda (GSP) – Tolerancije dimenzija – 2. dio: Dimenzije koje nisu duljinske (ISO 14405-2:2011; EN ISO 14405-2:2011)
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 2: Dimensions other than linear sizes (ISO 14405-2:2011; EN ISO 14405-2:2011)
- zamijenjena s: HRN EN ISO 14405-2:2019

HZN/TO 560, Tekstilni proizvodi

HRN ISO 137:2003 en
Vuna – Određivanje promjera vlakna – Metoda projekcijskog mikroskopa (ISO 137:1975)
Wool – Determination of fibre diameter – Projection microscope method (ISO 137:1975)
- zamijenjena s: HRN EN ISO 137:2016

HRN ISO 675:2003 en
Tekstil – Tkani proizvodi – Određivanje dimenzijskih promjena kod komercijalnog pranja u blizini točke vrenja (ISO 675:1979+Cor 1:1990)
Textiles – Woven fabrics – Determination of dimensional change on commercial laundering near the boiling point (ISO 675:1979+Cor 1:1990)
- zamijenjena s: HRN ISO 675:2019

HRN ISO 1136:2003 en
Vuna – Određivanje srednjeg promjera vlakana – Metoda propusnosti zraka (ISO 1136:1976)
Wool – Determination of mean diameter of fibres – Air permeability method (ISO 1136:1976)
- zamijenjena s: HRN ISO 1136:2019

HRN ISO 1144:2003 en
Tekstil – Opći sustav za označavanje duljinske mase (Tex sustav) (ISO 1144:1973)
Textiles – Universal system for designation linear density (Tex System) (ISO 1144:1973)
- zamijenjena s: HRN ISO 1144:2019

HRN EN ISO 1833-3:2010 en
Tekstil – Kvantitativna kemijska analiza – 3. dio: Mješavine acetatnih i određenih drugih vlakana (metoda s uporabom acetona) (ISO 1833-3:2006; EN ISO 1833-3:2010)
Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate and certain other fibres (method using acetone) (ISO 1833-3:2006; EN ISO 1833-3:2010)
- zamijenjena s: HRN EN ISO 1833-3:2019

HRN EN ISO 1833-10:2010 en
Tekstil – Kvantitativna kemijska analiza – 10. dio: Mješavine triacetatnih ili polilaktidnih vlakana s određenim drugim vlaknima (metoda s uporabom diklormetana) (ISO 1833-10:2006; EN ISO 1833-10:2010)
Textiles – Quantitative chemical analysis – Part 10: Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane) (ISO 1833-10:2006; EN ISO 1833-10:2010)
- zamijenjena s: HRN EN ISO 1833-10:2019

HRN EN ISO 1833-18:2010 en
Tekstil – Kvantitativna kemijska analiza – 18. dio: Mješavine svile i vune ili dlaka (metoda s uporabom sulfatne kiseline) (ISO 1833-18:2006; EN ISO 1833-18:2010)
Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk and wool or hair (method using sulfuric acid) (ISO 1833-18:2006; EN ISO 1833-18:2010)
- zamijenjena s: HRN EN ISO 1833-18:2019

HRN EN ISO 1833-21:2010 en
Tekstil – Kvantitativna kemijska analiza – 21. dio: Mješavine klornih, određenih modakrilnih, određenih elastanskih, acetatnih, triacetatnih vlakana s drugim određenim vlaknima (metoda s uporabom cikloheksanona) (ISO 1833-21:2006; EN ISO 1833-21:2010)
Textiles – Quantitative chemical analysis – Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone) (ISO 1833-21:2006; EN ISO 1833-21:2010)
- zamijenjena s: HRN EN ISO 1833-21:2019

HRN ISO 2370:2003 en
Tekstil – Određivanje finoće lanenih vlakana – Metode propusnosti zraka (ISO 2370:1980)
Textiles – Determination of fineness of flax fibres – Permeametric methods (ISO 2370:1980)
- zamijenjena s: HRN ISO 2370:2019

HRN ISO 2403:2003 en
Tekstil – Pamučna vlakna – Određivanje mikroner vrijednosti (ISO 2403:1972)
Textiles – Cotton fibres – Determination of micronaire value (ISO 2403:1972)
- zamijenjena s: HRN ISO 2403:2019

HRN ISO 2649:2003 en
Vuna – Određivanje kratkovalne nejednoličnosti duljinske mase pramena, rovinga i pređa primjenom elektroničkog uređaja za određivanje jednoličnosti (ISO 2649:1974)
Wool – Determination of short-term irregularity of linear density of slivers, rovings and yarns by means of electronic evenness tester (ISO 2649:1974)
- zamijenjena s: HRN ISO 16549:2019

HRN ISO 3638:2005 en
Sustav označivanja veličine odjeće – Odjeća za malu djecu (ISO 3638:1977)
Size designation of clothes – Infants' garments (ISO 3638:1977)
- zamijenjena s: HRN ISO 8559-2:2019

HRN ISO 4416:2005 en
Sustav označivanja veličine odjeće – Žensko i djevojačko rublje, spavačice i pidžame, steznici i košulje (ISO 4416:1981+Cor 1:1990)
Size designation of clothes – Women's and girls' underwear, nightwear, foundation garments and shirts (ISO 4416:1981+Cor 1:1990)
- zamijenjena s: HRN ISO 8559-2:2019

HRN ISO 4417:2005 en
Sustav označivanja veličine odjeće – Pokrivala za glavu (ISO 4417:1977)
Size designation of clothes – Headwear (ISO 4417:1977)
- zamijenjena s: HRN ISO 8559-2:2019

HRN ISO 4418:2005 en
Sustav označivanja veličine odjeće – Rukavice (ISO 4418:1978)
Size designation of clothes – Gloves (ISO 4418:1978)
- zamijenjena s: HRN ISO 8559-2:2019

HRN ISO 5971:2005 en
Sustav označivanja veličine odjeće – Čarape s gacicama (ISO 5971:1981)
Size designation of clothes – Pantyhose (ISO 5971:1981)
- zamijenjena s: HRN ISO 5971:2019

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

HRS CEN ISO/TS 22117:2011 en
Mikrobiologija hrane i hrane za životinje – Posebni zahtjevi i upute za ispitivanje pouzdanosti međulaboratorijskim usporedbama (ISO/TS 22117:2010; CEN ISO/TS 22117:2010)
Microbiology of food and animal feeding stuffs – Specific requirements and guidance for proficiency testing by interlaboratory comparison (ISO/TS 22117:2010; CEN ISO/TS 22117:2010)
- zamijenjena s: HRN EN ISO 22117:2019

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

HRN EN 14960:2013 en
Oprema za igranje na napuhavanje – Sigurnosni zahtjevi i metode ispitivanja (EN 14960:2013)
Inflatable play equipment – Safety requirements and test methods (EN 14960:2013)
- zamijenjena s: HRN EN 14960-1:2019

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

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

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

HRN EN 687:2013 en
Elastične podne obloge – Specifikacija za linoleum sa ili bez uzorka na plutenoj podlozi (EN 687:2011)
Resilient floor coverings – Specification for plain and decorative linoleum on a corkment backing (EN 687:2011)
- zamijenjena s: HRN EN 687:2019

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

HRN EN ISO 150:2008 en
Sirovo, rafinirano i kuhano laneno ulje za boje i lakove – Specifikacije i metode ispitivanja (ISO 150:2006; EN ISO 150:2007)
Raw, refined and boiled linseed oil for paints and varnishes – Specifications and methods of test (ISO 150:2006; EN ISO 150:2007)
- zamijenjena s: HRN EN ISO 150:2019

HRN EN ISO 787-9:1999 en
Opće metode ispitivanja pigmenata i punila – 9. dio: Određivanje pH vrijednosti vodene suspenzije (ISO 787-9:1981; EN ISO 787-9:1995)
General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension (ISO 787-9:1981; EN ISO 787-9:1995)
- zamijenjena s: HRN EN ISO 787-9:2019

HRN EN ISO 787-14:2004 en
Opće metode ispitivanja pigmenata i punila – 14. dio: Određivanje otpornosti vodenog ekstrakta (ISO 787-14:2002; EN ISO 787-14:2002)
General methods of test for pigments and extenders – Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2002; EN ISO 787-14:2002)
- zamijenjena s: HRN EN ISO 787-14:2019

HRN EN ISO 787-17:2017 en
Opće metode ispitivanja pigmenata i punila – 17. dio: Usporedba sposobnosti posvjetljivanja bijelih pigmenata (ISO 787-17:2002; EN ISO 787-17:2017)
General methods of test for pigments and extenders – Part 17: Comparison of lightening power of white pigments (ISO 787-17:2002; EN ISO 787-17:2017)
- zamijenjena s: HRN EN ISO 787-17:2019

HRN EN ISO 787-25:2008 en
Opće metode ispitivanja pigmenata i punila – 25. dio: Usporedba obojenja, u potpuno zaštićenim sustavima, bijelih, crnih i obojenih pigmenata – Kolorimetrijska metoda (ISO 787-25:1993; EN ISO 787-25:2006)
General methods of test for pigments and extenders – Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments – Colorimetric method (ISO 787-25:1993; EN ISO 787-25:2006)
- zamijenjena s: HRN EN ISO 787-25:2019

- HRN EN 927-6:2007 en
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – 6. dio: Izloženost premaza za obradu drva umjetnom starenju uporabom fluorescentnih UV lampi i vode (EN 927-6:2006)
Paints and varnishes – Coating materials and coating systems for exterior wood – Part 6: Exposure of wood coatings to artificial weathering using fluorescent UV lamps and water (EN 927-6:2006)
- zamijenjena s: HRN EN 927-6:2019
- HRN EN ISO 2812-2:2008 en
Boje i lakovi – Određivanje otpornosti na kapljevine – 2. dio: Metoda uranjanja u vodu (ISO 2812-2:2007; EN ISO 2812-2:2007)
Paints and varnishes – Determination of resistance to liquids – Part 2: Water immersion method (ISO 2812-2:2007; EN ISO 2812-2:2007)
- zamijenjena s: HRN EN ISO 2812-2:2019
- HRN EN ISO 2812-3:2013 en
Boje i lakovi – Određivanje otpornosti na kapljevine – 3. dio: Metoda primjenom apsorpcijskog sredstva (ISO 2812-3:2012; EN ISO 2812-3:2012)
Paints and varnishes – Determination of resistance to liquids – Part 3: Method using an absorbent medium (ISO 2812-3:2012; EN ISO 2812-3:2012)
- zamijenjena s: HRN EN ISO 2812-3:2019
- HRN EN ISO 2812-5:2008 en
Boje i lakovi – Određivanje otpornosti na kapljevine – 5. dio: Metoda u peći sa stupnjevanjem temperature (ISO 2812-5:2007; EN ISO 2812-5:2007)
Paints and varnishes – Determination of resistance to liquids – Part 5: Temperature-gradient oven method (ISO 2812-5:2007; EN ISO 2812-5:2007)
- zamijenjena s: HRN EN ISO 2812-5:2019
- HRN EN ISO 3681:1999 en
Veziva za boje i lakove – Određivanje saponifikacijskog broja – Titrimetrijska metoda (ISO 3681:1996; EN ISO 3681:1998)
Binders for paints and varnishes – Determination of saponification value – Titrimetric method (ISO 3681:1996; EN ISO 3681:1998)
- zamijenjena s: HRN EN ISO 3681:2019
- HRN EN ISO 4619:2010 en
Sušila za boje i lakove (ISO 4619:1998; EN ISO 4619:2010)
Driers for paints and varnishes (ISO 4619:1998; EN ISO 4619:2010)
- zamijenjena s: HRN EN ISO 4619:2019
- HRN EN ISO 4623-1:2004 en
Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 1. dio: Čelične podloge (ISO 4623-1:2000; EN ISO 4623-1:2002)
Paints and varnishes – Determination of resistance to filiform corrosion – Part 1: Steel substrates (ISO 4623-1:2000; EN ISO 4623-1:2002)
- zamijenjena s: HRN EN ISO 4623-1:2019
- HRN EN ISO 7783:2013 en
Boje i lakovi – Određivanje svojstava prijenosa vodene pare – Metoda s posudom (ISO 7783:2011; EN ISO 7783:2011)
Paints and varnishes – Determination of water-vapour transmission properties – Cup method (ISO 7783:2011; EN ISO 7783:2011)
- zamijenjena s: HRN EN ISO 7783:2019
- HRN EN ISO 8130-1:2010 en
Praškasti prekrivni materijali – 1. dio: Određivanje raspodjele veličine čestica prosijavanjem (ISO 8130-1:1992; EN ISO 8130-1:2010)
Coating powders – Part 1: Determination of particle size distribution by sieving (ISO 8130-1:1992; EN ISO 8130-1:2010)
- zamijenjena s: HRN EN ISO 8130-1:2019
- HRN EN ISO 8130-7:2010 en
Praškasti prekrivni materijali – 7. dio: Određivanje gubitka mase pri pečenju (ISO 8130-7:1992; EN ISO 8130-7:2010)
Coating powders – Part 7: Determination of loss of mass on stoving (ISO 8130-7:1992; EN ISO 8130-7:2010)
- zamijenjena s: HRN EN ISO 8130-7:2019
- HRN EN ISO 8130-11:2010 en
Praškasti prekrivni materijali – 11. dio: Ispitivanje rasprostiranja na kosini (ISO 8130-11:1997; EN ISO 8130-11:2010)
Coating powders – Part 11: Inclined-plane flow test (ISO 8130-11:1997; EN ISO 8130-11:2010)
- zamijenjena s: HRN EN ISO 8130-11:2019
- HRN EN ISO 8130-12:2010 en
Praškasti prekrivni materijali – 12. dio: Određivanje kompatibilnosti (ISO 8130-12:1998; EN ISO 8130-12:2010)
Coating powders – Part 12: Determination of compatibility (ISO 8130-12:1998; EN ISO 8130-12:2010)
- zamijenjena s: HRN EN ISO 8130-12:2019
- HRN EN ISO 8130-13:2010 en
Praškasti prekrivni materijali – 13. dio: Analiza veličine čestica laserskom difrakcijom (ISO 8130-13:2001; EN ISO 8130-13:2010)
Coating powders – Part 13: Particle size analysis by laser diffraction (ISO 8130-13:2001; EN ISO 8130-13:2010)
- zamijenjena s: HRN EN ISO 8130-13:2019
- HRN EN ISO 8130-14:2008 en
Praškasti prekrivni materijali – 14. dio: Terminologija (ISO 8130-14:2004; EN ISO 8130-14:2004)
Coating powders – Part 14: Terminology (ISO 8130-14:2004; EN ISO 8130-14:2004)
- zamijenjena s: HRN EN ISO 8130-14:2019
- HRN EN ISO 8504-3:2004 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Metode pripreme površina – 3. dio: Čišćenje s ručnim i strojnim alatima (ISO 8504-3:1993; EN ISO 8504-3:2001)
Preparation of steel substrates before application of paints and related products – Surface preparation methods – Part 3: Hand- and power-tool cleaning (ISO 8504-3:1993; EN ISO 8504-3:2001)
- zamijenjena s: HRN EN ISO 8504-3:2019
- HRN EN ISO 10927:2012 en
Plastika – Određivanje molekularne mase i raspodjele molekularne mase polimernih vrsta matricom pomoću laserske desorpcije/ionizacije vremenske masene spektroskopije (MALDI-TOF-MS) (ISO 10927:2011; EN ISO 10927:2011)
Plastics – Determination of the molecular mass and molecular mass distribution of polymer species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) (ISO 10927:2011; EN ISO 10927:2011)
- zamijenjena s: HRN EN ISO 10927:2019
- HRN EN ISO 11124-1:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 1. dio: Opći uvod i razredba (ISO 11124-1:1993; EN ISO 11124-1:1997)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 1: General introduction and classification (ISO 11124-1:1993; EN ISO 11124-1:1997)
- zamijenjena s: HRN EN ISO 11124-1:2019
- HRN EN ISO 11124-2:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 2. dio: Troska ljevanog željeza (ISO 11124-2:1993; EN ISO 11124-2:1997)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 2: Chilled-iron grit (ISO 11124-2:1993; EN ISO 11124-2:1997)
- zamijenjena s: HRN EN ISO 11124-2:2019
- HRN EN ISO 11124-3:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 3. dio: Visokouglični lijevani čelik i čelična sačma (ISO 11124-3:1993; EN ISO 11124-3:1997)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 3: High-carbon cast-steel and shot grit (ISO 11124-3:1993; EN ISO 11124-3:1997)
- zamijenjena s: HRN EN ISO 11124-3:2019
- HRN EN ISO 11124-4:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije metalnih abraziva za čišćenje mlazom – 4. dio: Niskouglična čelična sačma (ISO 11124-4:1993; EN ISO 11124-4:1997)
Preparation of steel substrates before application of paints and related products – Specifications for metallic blast-cleaning abrasives – Part 4: Low-carbon cast-steel shot (ISO 11124-4:1993; EN ISO 11124-4:1997)
- zamijenjena s: HRN EN ISO 11124-4:2019

- HRN EN ISO 11125-1:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11125-1:1993; EN ISO 11125-1:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11125-1:1993; EN ISO 11125-1:1997)
- zamijenjena s: HRN EN ISO 11125-1:2019
- HRN EN ISO 11125-2:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11125-2:1993; EN ISO 11125-2:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11125-2:1993; EN ISO 11125-2:1997)
- zamijenjena s: HRN EN ISO 11125-2:2019
- HRN EN ISO 11125-3:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 3. dio: Određivanje tvrdoće (ISO 11125-3:1993; EN ISO 11125-3:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 3: Determination of hardness (ISO 11125-3:1993; EN ISO 11125-3:1997)
- zamijenjena s: HRN EN ISO 11125-3:2019
- HRN EN ISO 11125-4:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 4. dio: Određivanje prividne gustoće (ISO 11125-4:1993; EN ISO 11125-4:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 4: Determination of apparent density (ISO 11125-4:1993; EN ISO 11125-4:1997)
- zamijenjena s: HRN EN ISO 11125-4:2019
- HRN EN ISO 11125-5:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 5. dio: Određivanje postotnog udjela oštećenih čestica i mikrostrukture (ISO 11125-5:1993; EN ISO 11125-5:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 5: Determination of percentage of defective particles and of microstructure (ISO 11125-5:1993; EN ISO 11125-5:1997)
- zamijenjena s: HRN EN ISO 11125-5:2019
- HRN EN ISO 11125-6:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 6. dio: Određivanje stranih tvari (ISO 11125-6:1993; EN ISO 11125-6:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 6: Determination of foreign matter (ISO 11125-6:1993; EN ISO 11125-6:1997)
- zamijenjena s: HRN EN ISO 11125-6:2019
- HRN EN ISO 11125-7:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za metalne abrazive za čišćenje mlazom – 7. dio: Određivanje vlažnosti (ISO 11125-7:1993; EN ISO 11125-7:1997)
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 7: Determination of moisture (ISO 11125-7:1993; EN ISO 11125-7:1997)
- zamijenjena s: HRN EN ISO 11125-7:2019
- HRN EN ISO 11126-1:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 1. dio: Opći uvod i razredba (ISO 11126-1:1993, uključujući Tehnički ispravak 1:1997 i 2:1997; EN ISO 11126-1:1997)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 1: General introduction and classification (ISO 11126-1:1993, including Technical Corrigendum 1:1997 and 2:1997; EN ISO 11126-1:1997)
- zamijenjena s: HRN EN ISO 11126-1:2019
- HRN EN ISO 11126-3:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 3. dio: Troska dobivena postupkom rafiniranja bakra (ISO 11126-3:1993; EN ISO 11126-3:1997)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 3: Copper refinery slag (ISO 11126-3:1993; EN ISO 11126-3:1997)
- zamijenjena s: HRN EN ISO 11126-3:2019
- HRN EN ISO 11126-4:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 4. dio: Troska dobivena sagorijevanjem ugljena (ISO 11126-4:1993; EN ISO 11126-4:1998)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 4: Coal furnace slag (ISO 11126-4:1993; EN ISO 11126-4:1998)
- zamijenjena s: HRN EN ISO 11126-4:2019
- HRN EN ISO 11126-5:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 5. dio: Troska dobivena postupkom rafiniranja niklja (ISO 11126-5:1993; EN ISO 11126-5:1998)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 5: Nickel refinery slag (ISO 11126-5:1993; EN ISO 11126-5:1998)
- zamijenjena s: HRN EN ISO 11126-5:2019
- HRN EN ISO 11126-6:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 6. dio: Željezna troska iz visoke peći (ISO 11126-6:1993; EN ISO 11126-6:1997)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 6: Iron furnace slag (ISO 11126-6:1993; EN ISO 11126-6:1997)
- zamijenjena s: HRN EN ISO 11126-6:2019
- HRN EN ISO 11126-7:2005 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 7. dio: Troska nakon taljenja aluminijevog oksida (ISO 11126-7:1995+Cor 1:1999; EN ISO 11126-7:1999)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 7: Fused aluminium oxide (ISO 11126-7:1995+Cor 1:1999; EN ISO 11126-7:1999)
- zamijenjena s: HRN EN ISO 11126-7:2019
- HRN EN ISO 11126-8:1999 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Specifikacije za nemetalne abrazive za čišćenje mlazom – 8. dio: Olivinski pijesak (ISO 11126-8:1993; EN ISO 11126-8:1997)
Preparation of steel substrates before application of paints and related products – Specifications for non-metallic blast-cleaning abrasives – Part 8: Olivine sand (ISO 11126-8:1993; EN ISO 11126-8:1997)
- zamijenjena s: HRN EN ISO 11126-8:2019
- HRN EN 13900-4:2005 en
Pigmenti i punila – Metode dispergiranja i ocjena sposobnosti dispergiranja u plastici – 4. dio: Određivanje kolorističkih svojstava i lakoće dispergiranja bijelih pigmentata u polietilenu postupkom dvostrukog valjanja (EN 13900-4:2004)
Pigments and extenders – Methods of dispersion and assessment of dispersibility in plastics – Part 4: Determination of colouristic properties and ease of dispersion of white pigments in polyethylene by two-roll milling (EN 13900-4:2004)
- zamijenjena s: HRN EN ISO 23900-4:2019
- HRN EN 13900-5:2005 en
Pigmenti i punila – Metode dispergiranja i ocjena sposobnosti dispergiranja u plastici – 5. dio: Određivanje metodom tlaka pomoću filtra (EN 13900-5:2005)
Pigments and extenders – Methods of dispersion and assessment of dispersibility in plastics – Part 5: Determination by filter pressure value test (EN 13900-5:2005)
- zamijenjena s: HRN EN ISO 23900-5:2019

HRN EN 13900-6:2013 en

Pigmenti i punila – Metode disperzije i ocjenjivanja nesposobnosti disperzije u plastici – 6. dio: Određivanje ispitivanjem filma (EN 13900-6:2012)
Pigments and extenders – Methods of dispersion and assessment of dispersability in plastics – Part 6: Determination by film test (EN 13900-6:2012)
- zamijenjena s: HRN EN ISO 23900-6:2019

HRN EN 14110:2005 en

Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja metanola (EN 14110:2003)
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of methanol content (EN 14110:2003)
- zamijenjena s: HRN EN 14110:2019

HRN EN 16402:2014 en

Boje i lakovi – Procjena emisija tvari iz prevlaka u zatvorenom prostoru – Uzorkovanje, kondicioniranje i ispitivanje (EN 16402:2013)
Paints and varnishes – Assessment of emissions of substances from coatings into indoor air – Sampling, conditioning and testing (EN 16402:2013)
- zamijenjena s: HRN EN 16402:2019

HRS CEN/TS 16499:2014 en

Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – Otpornost na sljepljivanje boja i lakova na drvo (CEN/TS 16499:2013)
Paints and varnishes – Coating materials and coating systems for exterior wood – Resistance to blocking of paints and varnishes on wood (CEN/TS 16499:2013)
- zamijenjena s: HRN EN 927-10:2019

HRN EN ISO 18451-1:2017 en

Pigmenti, bojila i punila – Nazivlje – 1. dio: Opći nazivi (ISO 18451-1:2015; EN ISO 18451-1:2017)
Pigments, dyestuffs and extenders – Terminology – Part 1: General terms (ISO 18451-1:2015; EN ISO 18451-1:2017)
- zamijenjena s: HRN EN ISO 18451-1:2019

HRN EN ISO 18451-2:2017 en

Pigmenti, bojila i punila – Nazivlje – 2. dio: Razredba materijala za bojenje prema kolorističkim i kemijskim aspektima (ISO 18451-2:2015; EN ISO 18451-2:2017)
Pigments, dyestuffs and extenders – Terminology – Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2015; EN ISO 18451-2:2017)
- zamijenjena s: HRN EN ISO 18451-2:2019

HZN/TU I2, *Strojarstvo 2*

HRN EN 13814:2008 en

Fairground and amusement park machinery and structures – Safety (EN 13814:2004)
- zamijenjena s: HRN EN 13814-1:2019, HRN EN 13814-2:2019, HRN EN 13814-3:2019

HZN/TU M1, *Metalni materijali 1*

HRN EN ISO 9202:2016 en

Nakit – Finoća legura plemenitih metala (ISO 9202:2014; EN ISO 9202:2016)
Jewellery – Fineness of precious metal alloys (ISO 9202:2014; EN ISO 9202:2016)
- zamijenjena s: HRN EN ISO 9202:2019

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

HRN EN ISO 9873:2017 en

Stomatologija – Intraoralna ogledala (ISO 9873:2017; EN ISO 9873:2017)
Dentistry – Intra-oral mirrors (ISO 9873:2017; EN ISO 9873:2017)
- zamijenjena s: HRN EN ISO 9873:2019

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 121, *Anestetička i respiracijska oprema*

• umjesto

HRN EN 1789:2015

Medicinski automobili i njihova oprema – **Cestovni medicinski automobili** (EN 1789:2007+A2:2014)
Medical vehicles and their equipment – Road ambulances (EN 1789:2007+A2:2014)

• treba biti

HRN EN 1789:2015

Medicinska vozila i njihova oprema – **Cestovna medicinska vozila** (EN 1789:2007+A2:2014)
Medical vehicles and their equipment – Road ambulances (EN 1789:2007+A2:2014)

• umjesto

HRN EN 1865-1:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **ambulantnim** vozilima – 1. dio: Općeniti sustav ležaja i opreme za postupanje s bolesnikom (EN 1865-1:2010+A1:2015)
Patient handling equipment used in road ambulances – Part 1: General stretcher systems and patient handling equipment (EN 1865-1:2010+A1:2015)

• treba biti

HRN EN 1865-1:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **medicinskim** vozilima – 1. dio: Općeniti sustav ležaja i opreme za postupanje s bolesnikom (EN 1865-1:2010+A1:2015)
Patient handling equipment used in road ambulances – Part 1: General stretcher systems and patient handling equipment (EN 1865-1:2010+A1:2015)

• umjesto

HRN EN 1865-2:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **ambulantnim** vozilima – 2. dio: Ležaj s pogonom (EN 1865-2:2010+A1:2015)
Patient handling equipment used in road ambulances – Part 2: Power assisted stretcher (EN 1865-2:2010+A1:2015)

• treba biti

HRN EN 1865-2:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **medicinskim** vozilima – 2. dio: Ležaj s pogonom (EN 1865-2:2010+A1:2015)
Patient handling equipment used in road ambulances – Part 2: Power assisted stretcher (EN 1865-2:2010+A1:2015)

• umjesto

HRN EN 1865-3:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **ambulantnim** vozilima – 3. dio: Ležaj s pojačanim osobinama (EN 1865-3:2012+A1:2015)
Patient handling equipment used in road ambulances – Part 3: Heavy duty stretcher (EN 1865-3:2012+A1:2015)

• treba biti

HRN EN 1865-3:2015

Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **medicinskim** vozilima – 3. dio: Ležaj s pojačanim osobinama (EN 1865-3:2012+A1:2015)
Patient handling equipment used in road ambulances – Part 3: Heavy duty stretcher (EN 1865-3:2012+A1:2015)

• **umjesto**
HRN EN 1865-4:2012
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **ambulantnim** vozilima – 4. dio: Sklopiva stolica za prijenos bolesnika (EN 1865-4:2012)
Patient handling equipment used in road ambulances – Part 4: Foldable patient transfer chair (EN 1865-4:2012)

• **treba biti**
HRN EN 1865-4:2012
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **medicinskim** vozilima – 4. dio: Sklopiva stolica za prijenos bolesnika (EN 1865-4:2012)
Patient handling equipment used in road ambulances – Part 4: Foldable patient transfer chair (EN 1865-4:2012)

• **umjesto**
HRN EN 1865-5:2012
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **ambulantnim** vozilima – 5. dio: Nosač ležaja (EN 1865-5:2012)
Patient handling equipment used in road ambulances – Part 5: Stretcher support (EN 1865-5:2012)

• **treba biti**
HRN EN 1865-5:2012
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim **medicinskim** vozilima – 5. dio: Nosač ležaja (EN 1865-5:2012)
Patient handling equipment used in road ambulances – Part 5: Stretcher support (EN 1865-5:2012)

• **umjesto**
HRN EN 13718-1:2014
Medicinska vozila i njihova oprema – **Zračne ambulante** – 1. dio: Zahtjev za medicinske uređaje koji se upotrebljavaju u **zračnim ambulantama** (EN 13718-1:2014)
Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances (EN 13718-1:2014)

• **treba biti**
HRN EN 13718-1:2014
Medicinska vozila i njihova oprema – **Zračna medicinska vozila** – 1. dio: Zahtjev za medicinske uređaje koji se upotrebljavaju u **zračnim medicinskim vozilima** (EN 13718-1:2014)
Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances (EN 13718-1:2014)

• **umjesto**
HRN EN 13718-2:2015
Medicinska vozila i njihova oprema – **Zračne ambulante** – 2. dio: Radni i tehnički zahtjevi za **zračne ambulante** (EN 13718-2:2015)
Medical vehicles and their equipment – Air ambulances – Part 2: Operational and technical requirements of air ambulances (EN 13718-2:2015)

• **treba biti**
HRN EN 13718-2:2015
Medicinska vozila i njihova oprema – **Zračna medicinska vozila** – 2. dio: Radni i tehnički zahtjevi za **zračna medicinska vozila** (EN 13718-2:2015)
Medical vehicles and their equipment – Air ambulances – Part 2: Operational and technical requirements of air ambulances (EN 13718-2:2015)

• **umjesto**
HRN EN ISO 19054:2008
Pružni sustavi za učvršćenje **medicinskih uređaja** (ISO 19054:2005; EN ISO 19054:2006)
Rail systems for supporting medical equipment (ISO 19054:2005; EN ISO 19054:2006)

• **treba biti**
HRN EN ISO 19054:2008
Pružni sustavi za učvršćenje **medicinske opreme** (ISO 19054:2005; EN ISO 19054:2006)
Rail systems for supporting medical equipment (ISO 19054:2005; EN ISO 19054:2006)

• **umjesto**
HRN EN ISO 19054:2008/A1:2016
Pružni sustavi za učvršćenje **medicinskih uređaja** (ISO 19054:2005/Amd 1:2016; EN ISO 19054:2006/A1:2016)
Rail systems for supporting medical equipment (ISO 19054:2005/Amd 1:2016; EN ISO 19054:2006/A1:2016)

• **treba biti**
HRN EN ISO 19054:2008/A1:2016
Pružni sustavi za učvršćenje **medicinske opreme** (ISO 19054:2005/Amd 1:2016; EN ISO 19054:2006/A1:2016)
Rail systems for supporting medical equipment (ISO 19054:2005/Amd 1:2016; EN ISO 19054:2006/A1:2016)

• **umjesto**
HRN EN ISO 80601-2-12:2011
Medicinski električni uređaji – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za pojačanu zaštitu ventilatora (ISO 80601-2-12:2011; EN ISO 80601-2-12:2011)
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators (ISO 80601-2-12:2011; EN ISO 80601-2-12:2011)

• **treba biti**
HRN EN ISO 80601-2-12:2011
Medicinska električna oprema – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za pojačanu zaštitu ventilatora (ISO 80601-2-12:2011; EN ISO 80601-2-12:2011)
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators (ISO 80601-2-12:2011; EN ISO 80601-2-12:2011)

• **umjesto**
HRN EN ISO 80601-2-12:2011/Ispr.1:2013
Medicinski električni uređaji – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za pojačanu zaštitu ventilatora – Tehnički ispravak 1 (ISO 80601-2-12:2011/Cor 1:2011; EN ISO 80601-2-12:2011/AC:2011)
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators – Technical Corrigendum 1 (ISO 80601-2-12:2011/Cor 1:2011; EN ISO 80601-2-12:2011/AC:2011)

• **treba biti**
HRN EN ISO 80601-2-12:2011/Ispr.1:2013
Medicinska električna oprema – Dio 2-12: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za pojačanu zaštitu ventilatora – Tehnički ispravak 1 (ISO 80601-2-12:2011/Cor 1:2011; EN ISO 80601-2-12:2011/AC:2011)
Medical electrical equipment – Part 2-12: Particular requirements for basic safety and essential performance of critical care ventilators – Technical Corrigendum 1 (ISO 80601-2-12:2011/Cor 1:2011; EN ISO 80601-2-12:2011/AC:2011)

• **umjesto**
HRN EN ISO 80601-2-13:2013
Medicinski električni uređaji – Dio 2-13: Posebni zahtjevi za osnovnu sigurnost i nužne značajke anestezioloških radnih stanica (ISO 80601-2-13:2011; EN ISO 80601-2-13:2012)
Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation (ISO 80601-2-13:2011; EN ISO 80601-2-13:2012)

• **treba biti**
HRN EN ISO 80601-2-13:2013
Medicinska električna oprema – Dio 2-13: Posebni zahtjevi za osnovnu sigurnost i nužne značajke anestezioloških radnih stanica (ISO 80601-2-13:2011; EN ISO 80601-2-13:2012)
Medical electrical equipment – Part 2-13: Particular requirements for basic safety and essential performance of an anaesthetic workstation (ISO 80601-2-13:2011; EN ISO 80601-2-13:2012)

- **umjesto**
HRN EN ISO 80601-2-69:2015
Medicinski električni uređaji – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za koncentriranje kisika (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)
Medical electrical equipment – Part 2-69: Particular requirements for basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)

- **treba biti**
HRN EN ISO 80601-2-69:2015
Medicinska električna oprema – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za koncentriranje kisika (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)
Medical electrical equipment – Part 2-69: Particular requirements for basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)

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

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

HZN/TO 556, Osobna zaštitna oprema

- **umjesto**
HRN EN ISO 22568-1:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **procjenu dijelova obuće** – 1. dio: Metalne kapice (ISO 22568-1:2019; EN ISO 22568-1:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps (ISO 22568-1:2019; EN ISO 22568-1:2019)

- **treba biti**
HRN EN ISO 22568-1:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **sastavne dijelove obuće** – 1. dio: Metalne kapice (ISO 22568-1:2019; EN ISO 22568-1:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps (ISO 22568-1:2019; EN ISO 22568-1:2019)

- **umjesto**
HRN EN ISO 22568-2:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **procjenu dijelova obuće** – 2. dio: Nemetalne kapice (ISO 22568-2:2019; EN ISO 22568-2:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 2: Non-metallic toecaps (ISO 22568-2:2019; EN ISO 22568-2:2019)

- **treba biti**
HRN EN ISO 22568-2:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **sastavne dijelove obuće** – 2. dio: Nemetalne kapice (ISO 22568-2:2019; EN ISO 22568-2:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 2: Non-metallic toecaps (ISO 22568-2:2019; EN ISO 22568-2:2019)

- **umjesto**
HRN EN ISO 22568-3:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **procjenu dijelova obuće** – 3. dio: Metalni neprobojni uložak (ISO 22568-3:2019; EN ISO 22568-3:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 3: Metallic perforation resistant inserts (ISO 22568-3:2019; EN ISO 22568-3:2019)

- **treba biti**
HRN EN ISO 22568-3:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **sastavne dijelove obuće** – 3. dio: Metalni neprobojni uložak (ISO 22568-3:2019; EN ISO 22568-3:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 3: Metallic perforation resistant inserts (ISO 22568-3:2019; EN ISO 22568-3:2019)

- **umjesto**
HRN EN ISO 22568-4:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **procjenu dijelova obuće** – 4. dio: Nemetalni uložak otporan na proboj (ISO 22568-4:2019; EN ISO 22568-4:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts (ISO 22568-4:2019; EN ISO 22568-4:2019)

- **treba biti**
HRN EN ISO 22568-4:2019
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za **sastavne dijelove obuće** – 4. dio: Nemetalni uložak otporan na proboj (ISO 22568-4:2019; EN ISO 22568-4:2019)
Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts (ISO 22568-4:2019; EN ISO 22568-4:2019)

HZN/TO 557, Zaštitna odjeća

- **umjesto**
HRN EN 13277-3:2014
Zaštitna oprema za borilačke sportove – 3. dio: Dodatni zahtjevi i **ispitne metode** za štitnike tijela (EN 13277-3:2013)
Protective equipment for martial arts – Part 3: Additional requirements and test methods for trunk protectors (EN 13277-3:2013)

- **treba biti**
HRN EN 13277-3:2014
Zaštitna oprema za borilačke sportove – 3. dio: Dodatni zahtjevi i **metode ispitivanja** za štitnike tijela (EN 13277-3:2013)
Protective equipment for martial arts – Part 3: Additional requirements and test methods for trunk protectors (EN 13277-3:2013)

HZN/TO E79, Alarmni sustavi

- **umjesto**
HRN EN 50131-4:2010
Alarmni sustavi – Protuprovalni i **protuprovalni** sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2009)
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2009)

- **treba biti**
HRN EN 50131-4:2010
Alarmni sustavi – Protuprovalni i **protuprepadni** sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2009)
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2009)

- **umjesto**
HRN EN 50131-4:2019
Alarmni sustavi – Protuprovalni i **protuprovalni** sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2019)
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2019)

- **treba biti**
HRN EN 50131-4:2019
Alarmni sustavi – Protuprovalni i **protuprepadni** sustavi – 4. dio: Uređaji za upozorenje (EN 50131-4:2019)
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices (EN 50131-4:2019)

HZN/TO T4, Normizacija u telekomunikacijama

- **umjesto**
HRN EN 300 468 V1.3.1:2008
Digitalna videoradiodifuzija (DVB) – Specifikacija za **informacijske usluge (SI)** u DVB sustavima (EN 300 468 V1.3.1:1998)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.3.1:1998)
- **treba biti**
HRN EN 300 468 V1.3.1:2008
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u DVB sustavima (EN 300 468 V1.3.1:1998)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.3.1:1998)
- **umjesto**
HRN EN 300 468 V1.4.1:2008
Digitalna videoradiodifuzija (DVB) – Specifikacija za **informacijske usluge (SI)** u DVB sustavima (EN 300 468 V1.4.1:2000)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.4.1:2000)
- **treba biti**
HRN EN 300 468 V1.4.1:2008
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u DVB sustavima (EN 300 468 V1.4.1:2000)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.4.1:2000)
- **umjesto**
HRN EN 300 468 V1.5.1:2008
Digitalna videoradiodifuzija (DVB) – Specifikacija za **informacijske usluge (SI)** u DVB sustavima (EN 300 468 V1.5.1:2003)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.5.1:2003)
- **treba biti**
HRN EN 300 468 V1.5.1:2008
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u DVB sustavima (EN 300 468 V1.5.1:2003)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.5.1:2003)
- **umjesto**
HRN EN 300 468 V1.6.1:2008
Digitalna videoradiodifuzija (DVB) – Specifikacija za **informacijske usluge (SI)** u DVB sustavima (EN 300 468 V1.6.1:2004)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.6.1:2004)
- **treba biti**
HRN EN 300 468 V1.6.1:2008
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u DVB sustavima (EN 300 468 V1.6.1:2004)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.6.1:2004)
- **umjesto**
HRN EN 300 468 V1.10.1:2012
Digitalna videodifuzija (DVB) – Specifikacija za **informacijsku uslugu (SI)** u sustavima DVB (EN 300 468 V1.10.1:2009)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.10.1:2009)
- **treba biti**
HRN EN 300 468 V1.10.1:2012
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB (EN 300 468 V1.10.1:2009)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.10.1:2009)
- **umjesto**
HRN EN 300 468 V1.11.1:2012
Digitalna videodifuzija (DVB) – Specifikacija za **informacijsku uslugu (SI)** u sustavima DVB (EN 300 468 V1.11.1:2010)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.11.1:2010)
- **treba biti**
HRN EN 300 468 V1.11.1:2012
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB (EN 300 468 V1.11.1:2010)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.11.1:2010)
- **umjesto**
HRN EN 300 468 V1.12.1:2012
Digitalna videoradiodifuzija (DVB) – Specifikacija za **informacijske usluge (SI)** u sustavima DVB – Digitalna videoradiodifuzija (DVB) – Sustavi podtitlovanja (EN 300 468 V1.12.1:2011)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems – Digital Video Broadcasting (DVB) – Subtitling systems (EN 300 468 V1.12.1:2011)
- **treba biti**
HRN EN 300 468 V1.12.1:2012
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB – Radiodifuzija digitalnog videosignala (DVB) – Sustavi podtitlovanja (EN 300 468 V1.12.1:2011)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems – Digital Video Broadcasting (DVB) – Subtitling systems (EN 300 468 V1.12.1:2011)
- **umjesto**
HRN EN 300 468 V1.13.1:2013
Digitalna videodifuzija (DVB) – Specifikacija za **informacijsku uslugu (SI)** u sustavima DVB (EN 300 468 V1.13.1:2012)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.13.1:2012)
- **treba biti**
HRN EN 300 468 V1.13.1:2013
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB (EN 300 468 V1.13.1:2012)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.13.1:2012)
- **umjesto**
HRN EN 300 468 V1.14.1:2014
Digitalna radijska videodifuzija (DVB) – Specifikacija za **informacijsku službu (SI)** u sustavima DVB (EN 300 468 V1.14.1:2014)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.14.1:2014)
- **treba biti**
HRN EN 300 468 V1.14.1:2014
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB (EN 300 468 V1.14.1:2014)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.14.1:2014)
- **umjesto**
HRN EN 300 468 V1.15.1:2016
Digitalna videodifuzija (DVB) – Specifikacija za **informacijsku uslugu (SI)** u sustavima (EN 300 468 V1.15.1:2016)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.15.1:2016)
- **treba biti**
HRN EN 300 468 V1.15.1:2016
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za **servisne informacije (SI)** u sustavima DVB (EN 300 468 V1.15.1:2016)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.15.1:2016)

• **umjesto**
HRN EN 302 636-4-1 V1.2.1:2014
Inteligentni sustavi prijevoza (ITS) – Komunikacije među vozilima – Geomrežavanje – 4. dio: Geoadresiranje i prosljeđivanje za komunikacije točka-točka i točka-točke – 1. poddio: Medijski neovisna funkcionalnost (EN 302 636-4-1 V1.2.1:2014)
Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 1: Media-Independent Functionality (EN 302 636-4-1 V1.2.1:2014)

• **treba biti**
HRN EN 302 636-4-1 V1.2.1:2014
Inteligentni transportni sustavi (ITS) – Komunikacije među vozilima – Geomrežavanje – 4. dio: Geoadresiranje i prosljeđivanje za komunikacije točka-točka i točka-točke – 1. poddio: Medijski neovisna funkcionalnost (EN 302 636-4-1 V1.2.1:2014)
Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 1: Media-Independent Functionality (EN 302 636-4-1 V1.2.1:2014)

• **umjesto**
HRN EN 302 636-4-1 V1.3.1:2017
Inteligentni sustavi prijevoza (ITS) – Komunikacije među vozilima – Geomrežavanje – 4. dio: Geoadresiranje i prosljeđivanje za komunikacije točka-točka i točka-točke – 1. poddio: Medijski neovisna funkcionalnost (EN 302 636-4-1 V1.3.1:2017)
Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 1: Media-Independent Functionality (EN 302 636-4-1 V1.3.1:2017)

• **treba biti**
HRN EN 302 636-4-1 V1.3.1:2017
Inteligentni transportni sustavi (ITS) – Komunikacije među vozilima – Geomrežavanje – 4. dio: Geoadresiranje i prosljeđivanje za komunikacije točka-točka i točka-točke – 1. poddio: Medijski neovisna funkcionalnost (EN 302 636-4-1 V1.3.1:2017)
Intelligent Transport Systems (ITS) – Vehicular Communications – GeoNetworking – Part 4: Geographical addressing and forwarding for point-to-point and point-to-multipoint communications – Sub-part 1: Media-Independent Functionality (EN 302 636-4-1 V1.3.1:2017)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

HZN/TO T4, Normizacija u telekomunikacijama

HRN ETS 300 468 V1:2011 en pr
Radiodifuzija digitalnog videesignala (DVB) – Specifikacija za servisne informacije (SI) u DVB sustavima (ETS 300 468 ed.1:1995)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (ETS 300 468 ed.1:1995)

HRN ETS 300 468 V2:2011 en pr
Radiodifuzija digitalnog videesignala (DVB) – Specifikacija za servisne informacije (SI) u DVB sustavima (ETS 300 468 ed.2:1997)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (ETS 300 468 ed.2:1997)

HRN EN 300 468 V1.7.1:2009 en pr
Radiodifuzija digitalnog videesignala (DVB) – Specifikacija za servisne informacije (SI) u DVB sustavima (EN 300 468 V1.7.1:2006)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.7.1:2006)

HRN EN 300 468 V1.8.1:2009 en pr
Radiodifuzija digitalnog videesignala (DVB) – Specifikacija za servisne informacije (SI) u DVB sustavima (EN 300 468 V1.8.1:2008)
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (EN 300 468 V1.8.1:2008)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 108, Mehaničke vibracije i udari

Sljedeća hrvatska norma objavljena na engleskome i francuskome jeziku sada je dostupna i na hrvatskome i engleskome jeziku, kao dvojezično izdanje:

HRN ISO 5805:2016 hr,en-en,fr pr-pp
Mehaničke vibracije i udari – Izloženost ljudi – Terminološki rječnik (ISO 5805:1997)
Mechanical vibration and shock – Human exposure – Vocabulary (ISO 5805:1997)

2 Rezultati mednarodne i evropske normizacije razvrstani po predmetnom ustroju

01.020 Nazivlje (načela i usklađivanje)

Međunarodna normizacija
ISO

ISO 30042:2019
Management of terminology resources – TermBase eXchange (TBX)

01.040.11 Tehnologija zdravstvene zaštite (Rječnici)

Europska normizacija
CEN

EN ISO 13666:2019
Ophthalmic optics – Spectacle lenses – Vocabulary (ISO 13666:2019)

01.040.13 Okoliš. Zaštita zdravlja. Sigurnost (Rječnici)

Međunarodna normizacija
ISO

ISO 24513:2019
Service activities relating to drinking water supply, wastewater and stormwater systems – Vocabulary

01.040.25 Proizvodna tehnika (Rječnici)

Europska normizacija
CEN

EN ISO 17677-1:2019
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2019)

01.040.27 Prijenos energije i topline (Rječnici)

Međunarodna normizacija
ISO

ISO 2710-2:2019
Reciprocating internal combustion engines – Vocabulary – Part 2: Terms for engine maintenance

01.040.29 Elektrotehnika (Rječnici)

Europska normizacija
CENELEC

EN 62747:2014/A1:2019
Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014/A1:2019)

Međunarodna normizacija
IEC

IEC 60050-171:2019
International Electrotechnical Vocabulary (IEV) – Part 171: Digital technology – Fundamental concepts

01.040.33 Telekomunikacije. Audiotehnika i videotehnika (Rječnici)

Međunarodna normizacija
IEC

IEC 60050-171:2019
International Electrotechnical Vocabulary (IEV) – Part 171: Digital technology – Fundamental concepts

01.040.43 Cestovna vozila (Rječnici)

Međunarodna normizacija
ISO

ISO/TR 8713:2019
Electrically propelled road vehicles – Vocabulary

01.040.53 Oprema za rukovanje materijalima (Rječnici)

Međunarodna normizacija
ISO

ISO 7135 AMD 1:2019
Earth-moving machinery – Hydraulic excavators – Terminology and commercial specifications; Amendment 1

01.040.59 Tekstilna i kožarska tehnologija (Rječnici)

Međunarodna normizacija
ISO

ISO 9092:2019
Nonwovens – Vocabulary

01.040.87 Industrija boja (Rječnici)

Međunarodna normizacija
ISO

ISO 8130-14:2019
Coating powders – Part 14: Vocabulary

01.100.20 Crteži u strojarstvu

Međunarodna normizacija
ISO

ISO 2553:2019
Welding and allied processes – Symbolic representation on drawings – Welded joints

01.100.30 Konstrukcijski crteži

Međunarodna normizacija
ISO

ISO 8560:2019
Technical drawings – Construction drawings – Representation of modular sizes, lines and grids

01.100.40 Oprema za crtanje

Međunarodna normizacija
ISO

ISO 20318-2:2019
Mechanical pencils and leads for general use – Classification, dimensions, quality and test methods – Part 2: Black leads

01.120 Normizacija. Opća pravila

Europska normizacija ETSI

ETSI SR 000314 V 2.25.1:2019
Intellectual Property Rights (IPRs) – Essential, or potentially
Essential, IPRs notified to ETSI in respect of ETSI standards

01.140.20 Informacijske znanosti

Međunarodna normizacija ISO

ISO 21248:2019
Information and documentation – Quality assessment for
national libraries

ISO/TR 21965:2019
Information and documentation – Records management in
enterprise architecture

01.140.40 Izdavaštvo

Međunarodna normizacija ISO

ISO 8:2019
Information and documentation – Presentation and
identification of periodicals

03.080.30 Usluge za potrošače

Međunarodna normizacija ISO

ISO 24513:2019
Service activities relating to drinking water supply, wastewater
and stormwater systems – Vocabulary

03.100.30 Upravljanje ljudskim resursima

Međunarodna normizacija ISO

ISO 11484:2019
Steel products – Employer's qualification system for non-
destructive testing (NDT) personnel

03.100.70 Sustavi upravljanja

Međunarodna normizacija ISO

ISO 18091:2019
Quality management systems – Guidelines for the application
of ISO 9001 in local government

03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

Međunarodna normizacija IEC

IECEE 01-S:2019
IEC System of Conformity Assessment Schemes for
Electrotechnical Equipment and Components (IECEE System)
– IECEE Supplement to Harmonized Basic Rules IEC CA 01

03.140 Patenti. Intelektualno vlasništvo

Europska normizacija ETSI

ETSI SR 000314 V 2.25.1:2019
Intellectual Property Rights (IPRs) – Essential, or potentially
Essential, IPRs notified to ETSI in respect of ETSI standards

Međunarodna normizacija ISO

ISO 20671:2019
Brand evaluation – Principles and fundamentals

03.160 Pravosuđe. Uprava

Međunarodna normizacija ISO

ISO 18091:2019
Quality management systems – Guidelines for the application
of ISO 9001 in local government

03.220.01 Prijevoz općenito

Međunarodna normizacija ISO

ISO/TR 22086-1:2019
Intelligent transport systems (ITS) – Network based precise
positioning infrastructure for land transportation – Part 1:
General information and use case definitions

03.220.20 Cestovni prijevoz

Europska normizacija CEN

EN ISO 17264:2009/A1:2019
Intelligent transport systems – Automatic vehicle and
equipment identification – Interfaces – Amendment 1
(ISO 17264:2009/Amd 1:2019)

Međunarodna normizacija ISO

ISO 14816:2005/Amd 1:2019
Road transport and traffic telematics – Automatic vehicle and
equipment identification – Numbering and data structure;
Amendment 1

07.100.30 Mikrobiologija hrane

Europska normizacija CEN

EN ISO 22117:2019
Microbiology of the food chain – Specific requirements and
guidance for proficiency testing by interlaboratory comparison
(ISO 22117:2019)

Međunarodna normizacija ISO

ISO 20976-1:2019
Microbiology of the food chain – Requirements and guidelines
for conducting challenge tests of food and feed products
– Part 1: Challenge tests to study growth potential, lag time
and maximum growth rate

07.100.99 Ostale norme koje se odnose na mikrobiologiju

Europska normizacija CEN

EN ISO 846:2019
Plastics – Evaluation of the action of microorganisms
(ISO 846:2019)

07.120 Nanotehnologije

Europska normizacija CEN

CEN/TR 17222:2019
Textile products and nanotechnologies – Guidance on tests to simulate nanoparticle release – Skin exposure

Međunarodna normizacija ISO

ISO/TR 19733:2019
Nanotechnologies – Matrix of properties and measurement techniques for graphene and related two-dimensional (2D) materials

ISO/TR 21386:2019
Nanotechnologies – Considerations for the measurement of nano-objects and their aggregates and agglomerates (NOAA) in environmental matrices

11.020.99 Ostale norme koje se odnose na zdravstvenu zaštitu općenito

Međunarodna normizacija ISO

ISO 21300:2019
Traditional Chinese medicine – Guidelines and specification for Chinese materia medica

11.040.20 Transfuzijska, infuzijska i injekcijska oprema

Europska normizacija CEN

EN ISO 8871-3:2004/A1:2019
Elastomeric parts for parenterals and for devices for pharmaceutical use – Part 3: Determination of released-particle count – Amendment 1 (ISO 8871-3:2003/Amd 1:2018)

11.040.25 Šprice. Igle. Kateteri

Međunarodna normizacija ISO

ISO 18250-6:2019
Medical devices – Connectors for reservoir delivery systems for healthcare applications – Part 6: Neural applications

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Europska normizacija CEN

EN ISO 23500-1:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 1: General requirements (ISO 23500-1:2019)

EN ISO 23500-2:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 2: Water treatment equipment for haemodialysis applications and related therapies (ISO 23500-2:2019)

EN ISO 23500-3:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 3: Water for haemodialysis and related therapies (ISO 23500-3:2019)

EN ISO 23500-4:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 4: Concentrates for haemodialysis and related therapies (ISO 23500-4:2019)

EN ISO 23500-5:2019
Preparation and quality management of fluids for haemodialysis and related therapies – Part 5: Quality of dialysis fluid for haemodialysis and related therapies (ISO 23500-5:2019)

Međunarodna normizacija ISO

ISO 6474-1:2019
Implants for surgery – Ceramic materials – Part 1: Ceramic materials based on high purity alumina

ISO 6474-2:2019
Implants for surgery – Ceramic materials – Part 2: Composite materials based on a high-purity alumina matrix with zirconia reinforcement

11.040.50 Radiografska oprema

Europska normizacija CENELEC

EN IEC 62464-1:2019
Magnetic resonance equipment for medical imaging – Part 1: Determination of essential image quality parameters (IEC 62464-1:2018)

Međunarodna normizacija IEC

IEC/TR 61948-4:2019
Nuclear medicine instrumentation – Routine tests – Part 4: Radionuclide calibrators

11.040.70 Oftalmološka oprema

Europska normizacija CEN

EN ISO 13666:2019
Ophthalmic optics – Spectacle lenses – Vocabulary (ISO 13666:2019)

11.040.99 Ostala medicinska oprema

Međunarodna normizacija ISO

ISO 20498-1:2019
Traditional Chinese medicine – Computerized tongue image analysis system – Part 1: General requirements

11.060.20 Stomatološka oprema

Međunarodna normizacija ISO

ISO 7492:2019
Dentistry – Dental explorer

ISO 9873:2019
Dentistry – Intra-oral mirrors

11.080.01 Sterilizacija i dezinfekcija općenito

Međunarodna normizacija ISO

ISO 11138-7:2019
Sterilization of health care products – Biological indicators – Part 7: Guidance for the selection, use and interpretation of results

11.100.10 In vitro dijagnostički ispitni sustavi

Europska normizacija CEN

EN ISO 20186-1:2019
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for venous whole blood – Part 1: Isolated cellular RNA (ISO 20186-1:2019)

EN ISO 20186-2:2019
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for venous whole blood – Part 2: Isolated genomic DNA (ISO 20186-2:2019)

11.120.10 Lijekovi

Međunarodna normizacija ISO

ISO 22212:2019
Traditional Chinese medicine – Gastrodia elata tuber

11.140 Bolnička oprema

Europska normizacija CEN

EN 13795-1:2019
Surgical clothing and drapes – Requirements and test methods – Part 1: Surgical drapes and gowns

EN 13795-2:2019
Surgical clothing and drapes – Requirements and test methods – Part 2: Clean air suits

EN 14683:2019
Medical face masks – Requirements and test methods

11.180.30 Pomagala za slijepe ili slabovidne osobe

Međunarodna normizacija ISO

ISO 24508:2019
Ergonomics – Accessible design – Guidelines for designing tactile symbols and characters

13.020.20 Ekogospodarstvo

Međunarodna normizacija ISO

ISO 14008:2019
Monetary valuation of environmental impacts and related environmental aspects

13.040.30 Atmosfera u radnome prostoru

Europska normizacija CEN

EN 17199-1:2019
Workplace exposure – Measurement of dustiness of bulk materials that contain or release respirable NOAA and other respirable particles – Part 1: Requirements and choice of test methods

EN 17199-2:2019
Workplace exposure – Measurement of dustiness of bulk materials that contain or release respirable NOAA or other respirable particles – Part 2: Rotating drum method

EN 17199-3:2019
Workplace exposure – Measurement of dustiness of bulk materials that contain or release respirable NOAA or other respirable particles – Part 3: Continuous drop method

EN 17199-4:2019
Workplace exposure – Measurement of dustiness of bulk materials that contain or release respirable NOAA or other respirable particles – Part 4: Small rotating drum method

EN 17199-5:2019
Workplace exposure – Measurement of dustiness of bulk materials that contain or release respirable NOAA or other respirable particles – Part 5: Vortex shaker method

Međunarodna normizacija ISO

ISO 17735:2019
Workplace atmospheres – Determination of total isocyanate groups in air using 1-(9-anthracenylmethyl)piperazine (MAP) reagent and liquid chromatography

13.060.20 Voda za piće

Međunarodna normizacija ISO

ISO 24513:2019
Service activities relating to drinking water supply, wastewater and stormwater systems – Vocabulary

13.060.30 Kanalizacijske vode

Međunarodna normizacija ISO

ISO 24513:2019
Service activities relating to drinking water supply, wastewater and stormwater systems – Vocabulary

13.060.60 Ispitivanje fizikalnih svojstava vode

Europska normizacija CEN

EN ISO 10704:2019
Water quality – Gross alpha and gross beta activity – Test method using thin source deposit (ISO 10704:2019)

13.060.70 Ispitivanje bioloških svojstava vode

Europska normizacija CEN

EN 17204:2019
Water quality – Guidance on analysis of mesozooplankton from marine and brackish waters

Međunarodna normizacija ISO

ISO 21115:2019
Water quality – Determination of acute toxicity of water samples and chemicals to a fish gill cell line (RTgill-W1)

13.080.30 Biološka svojstva tla

Europska normizacija CEN

EN ISO 23753-1:2019
Soil quality – Determination of dehydrogenases activity in soils – Part 1: Method using triphenyltetrazolium chloride (TTC) (ISO 23753-1:2019)

EN ISO 23753-2:2019
Soil quality – Determination of dehydrogenases activity in soils – Part 2: Method using iodotetrazolium chloride (INT) (ISO 23753-2:2019)

13.080.99 Ostale norme koje se odnose na kvalitetu tla

Međunarodna normizacija ISO

ISO 15799:2019
Soil quality – Guidance on the ecotoxicological characterization of soils and soil materials

13.110 Sigurnost strojeva

Međunarodna normizacija ISO

ISO 13851:2019
Safety of machinery – Two-hand control devices – Principles for design and selection

13.160 Utjecaj vibracija i udara na ljude

Međunarodna normizacija ISO

ISO 5982:2019
Mechanical vibration and shock – Range of idealized values to characterize human biodynamic response under whole-body vibration

13.180 Ergonomija

Europska normizacija CEN

EN ISO 27501:2019
The human-centred organization – Guidance for managers (ISO 27501:2019)

Međunarodna normizacija ISO

ISO 9241-220:2019
Ergonomics of human-system interaction – Part 220: Processes for enabling, executing and assessing human-centred design within organizations

ISO 24508:2019
Ergonomics – Accessible design – Guidelines for designing tactile symbols and characters

13.220.01 Zaštita od požara općenito

Međunarodna normizacija ISO

ISO 24678-1:2019
Fire safety engineering – Requirements governing algebraic formulae – Part 1: General requirements

ISO 24678-7:2019
Fire safety engineering – Requirements governing algebraic formulae – Part 7: Radiation heat flux received from an open pool fire

13.220.20 Zaštita od požara

Europska normizacija CEN

EN 15004-1:2019
Fixed firefighting systems – Gas extinguishing systems – Part 1: Design, installation and maintenance (ISO 14520-1:2015, modified)

EN 15276-1:2019
Fixed firefighting systems – Condensed aerosol extinguishing systems – Part 1: Requirements and test methods for components

EN 15276-2:2019
Fixed firefighting systems – Condensed aerosol extinguishing systems – Part 2: Design, installation and maintenance

Međunarodna normizacija ISO

ISO 21927-4:2019
Smoke and heat control systems – Part 4: Natural smoke and heat exhaust ventilators – Design, requirements and installation

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Europska normizacija CEN

EN 1047-2:2019
Secure storage units – Classification and methods of test for resistance to fire – Part 2: Data rooms and data container

13.220.50 Vatrootpornost građevnih materijala i elemenata

Europska normizacija CEN

EN 14187-7:2019
Cold applied joint sealants – Test methods – Part 7: Determination of the resistance to flame

Međunarodna normizacija ISO

ISO/TR 20118:2019
Plastics – Guidance on fire characteristics and fire performance of PVC materials used in building applications

13.240 Zaštita od previsokoga tlaka

Europska normizacija CEN

EN ISO 4126-2:2019
Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices (ISO 4126-2:2018)

13.280 Zaštita od zračenja

Europska normizacija CEN

EN ISO 10704:2019
Water quality – Gross alpha and gross beta activity – Test method using thin source deposit (ISO 10704:2019)

Međunarodna normizacija ISO

ISO 20046:2019
Radiological protection – Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation

13.300 Zaštita od opasnih tvari

Europska normizacija CEN

EN 12285-3:2019
Workshop fabricated steel tanks – Part 3: Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and nonflammable water polluting liquids for heating and cooling of buildings

13.310 Zaštita od kriminala

Europska normizacija CEN

EN 1047-2:2019
Secure storage units – Classification and methods of test for resistance to fire – Part 2: Data rooms and data container

13.340.10 Zaštitna odjeća

Europska normizacija CEN

- EN 343:2019
Protective clothing – Protection against rain
- EN 943-1+A1:2019
Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols – Part 1: Performance requirements for Type 1 (gas-tight) chemical protective suits
- EN 943-2:2019
Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols – Part 2: Performance requirements for Type 1 (gas-tight) chemical protective suits for emergency teams (ET)

13.340.50 Zaštita nogu i stopala

Međunarodna normizacija ISO

- ISO 22568-1:2019
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps
- ISO 22568-2:2019
Foot and leg protectors – Requirements and test methods for footwear component – Part 2: Non-metallic toecaps
- ISO 22568-3:2019
Foot and leg protectors – Requirements and test methods for footwear components – Part 3: Metallic perforation resistant inserts
- ISO 22568-4:2019
Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts

17.040.20 Svojstva površina

Međunarodna normizacija ISO

- ISO 25178-607:2019
Geometrical product specifications (GPS) – Surface texture: Areal – Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments

17.040.40 Geometrijska specifikacija proizvoda (GPS)

Međunarodna normizacija ISO

- ISO 25178-607:2019
Geometrical product specifications (GPS) – Surface texture: Areal – Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments

17.140.01 Akustička mjerenja i smanjenje buke općenito

Europska normizacija CEN

- EN ISO 3740:2019
Acoustics – Determination of sound power levels of noise sources – Guidelines for the use of basic standards (ISO 3740:2019)

17.140.20 Buka koju proizvode strojevi i oprema

Međunarodna normizacija IEC

- IEC 60704-2-14:2013/AMD1:2019
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers; Amendment 1
- IEC 60704-2-14 Edition 2.1:2019
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers

17.140.30 Buka koju proizvode prijevozna sredstva

Europska normizacija CEN

- EN ISO 13473-1:2019
Characterization of pavement texture by use of surface profiles – Part 1: Determination of mean profile depth (ISO 13473-1:2019)

17.160 Vibracije, udari i mjerenja vibracija

Međunarodna normizacija ISO

- ISO 18434-2:2019
Condition monitoring and diagnostics of machine systems – Thermography – Part 2: Image interpretation and diagnostics

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija CENELEC

- EN IEC 62056-8-4:2019
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-4: Communication profiles for narrow-band OFDM PLC PRIME neighbourhood networks (IEC 62056-8-4:2018)

Međunarodna normizacija IEC

- IEC 61010-1:2010/AMD1:2016/COR1:2019
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements; Amendment 1; Corrigendum 1

17.220.99 Ostale norme koje se odnose na elektricitet i magnetizam

Međunarodna normizacija IEC

- IEC 62631-3-4:2019
Dielectric and resistive properties of solid insulating materials – Part 3-4: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity at elevated temperatures

17.240 Mjerenja zračenja

Međunarodna normizacija IEC

- IEC/TR 61948-4:2019
Nuclear medicine instrumentation – Routine tests – Part 4: Radionuclide calibrators

19.060 Mehanička ispitivanja

Europska normizacija ETSI

ETSI TR 103538 V 1.1.1:2019
Environmental Engineering (EE) – Analysis of test method and test severity for mechanical test of equipment installed on poles/towers

19.080 Električna i elektronička ispitivanja

Europska normizacija CENELEC

EN IEC 60746-4:2019
Expression of performance of electrochemical analyzers – Part 4: Dissolved oxygen in water measured by membrane-covered amperometric sensors (IEC 60746-4:2018)

Međunarodna normizacija IEC

IEC 61010-1:2010/AMD1:2016/COR1:2019
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements; Amendment 1; Corrigendum 1

19.100 Nerazorna ispitivanja

Europska normizacija CEN

EN ISO 15708-1:2019
Non-destructive testing – Radiation methods for computed tomography – Part 1: Terminology (ISO 15708-1:2017)

EN ISO 15708-2:2019
Non-destructive testing – Radiation methods for Computed tomography – Part 2: Principles, equipment and samples (ISO 15708-2:2017)

EN ISO 15708-3:2019
Non-destructive testing – Radiation methods for computed tomography – Part 3: Operation and interpretation (ISO 15708-3:2017)

EN ISO 15708-4:2019
Non-destructive testing – Radiation methods for computed tomography – Part 4: Qualification (ISO 15708-4:2017)

21.100.10 Klizni ležajevi

Međunarodna normizacija ISO

ISO 12129-1:2019
Plain bearings – Tolerances – Part 1: Fits

ISO 19349:2019
Plain bearings with liquid lubrication – Lubricant supply arrangements and monitoring

21.220.10 Remenski pogon i njegovi sastavni dijelovi

Međunarodna normizacija ISO

ISO 155:2019
Belt drives – Pulleys – Limiting values for adjustment of centres

23.020.10 Nepomični kontejneri i spremnici

Europska normizacija CEN

EN 12285-3:2019
Workshop fabricated steel tanks – Part 3: Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and nonflammable water polluting liquids for heating and cooling of buildings

23.020.30 Tlačne posude, cilindrični plinski spremnici

Europska normizacija CEN

EN 13445-3:2014/A6:2019
Unfired pressure vessels – Part 3: Design

EN 13445-3:2014/A7:2019
Unfired pressure vessels – Part 3: Design

EN 13445-3:2014/A8:2019
Unfired pressure vessels – Part 3: Design

23.020.35 Plinske boce

Europska normizacija CEN

EN 12817:2019
LPG Equipment and accessories – Inspection and requalification of LPG pressure vessels up to and including 13 m³

EN 12819:2019
LPG equipment and accessories – Inspection and requalification of LPG pressure vessels greater than 13 m³

23.020.40 Kriogeničke posude

Europska normizacija CEN

EN ISO 23208:2019
Cryogenic vessels – Cleanliness for cryogenic service (ISO 23208:2017)

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Europska normizacija CEN

EN 1295-1:2019
Structural design of buried pipelines under various conditions of loading – Part 1: General requirements

EN 13480-5:2017/A1:2019
Metallic industrial piping – Part 5: Inspection and testing

23.040.10 Cijevi od lijevanog željeza i čelika

Europska normizacija CEN

EN ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-6:2019)

EN ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-7:2019)

23.040.60 Prirubnice, spojnice i spojevi

**Međunarodna normizacija
ISO**

ISO 11413:2019
Plastics pipes and fittings – Preparation of test piece assemblies between a polyethylene (PE) pipe and an electrofusion fitting

23.060.40 Regulatori tlaka

**Europska normizacija
CEN**

EN 13611:2019
Safety and control devices for burners and appliances burning gaseous and/or liquid fuels – General requirements

23.100.10 Pumpe i motori

**Europska normizacija
CENELEC**

EN IEC 62364:2019
Hydraulic machines – Guidelines for dealing with hydro-abrasive erosion in kaplan, francis and pelton turbines (IEC 62364:2019)

23.120 Ventilatori. Klimatizacijski uređaji

**Međunarodna normizacija
ISO**

ISO 12759-2:2019
Fans – Efficiency classification for fans – Part 2: Standard losses for drive components

ISO 12759-3:2019
Fans – Efficiency classification for fans – Part 3: Fans without drives at maximum operating speed

ISO/TR 16494-2:2019
Heat recovery ventilators and energy recovery ventilators – Method of test for performance – Part 2: Assessment of measurement uncertainty of performance parameters

25.040.30 Industrijski roboti. Manipulatori

**Međunarodna normizacija
ISO**

ISO/TR 23482-2:2019
Robotics – Application of ISO 13482 – Part 2: Application guidelines

25.040.40 Mjerenje i upravljanje u industrijskim procesima

**Europska normizacija
CENELEC**

EN IEC 61918:2018/AC:2019
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018)

25.080.40 Bušilice

**Međunarodna normizacija
ISO**

ISO 2772:2019
Test conditions for box type vertical drilling machines – Testing of the accuracy

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

**Europska normizacija
CEN**

EN ISO 14731:2019
Welding coordination – Tasks and responsibilities (ISO 14731:2019)

25.160.10 Procesi zavarivanja

**Europska normizacija
CEN**

EN ISO 17677-1:2019
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2019)

25.160.40 Zavareni spojevi i zavari

**Međunarodna normizacija
ISO**

ISO 2553:2019
Welding and allied processes – Symbolic representation on drawings – Welded joints

25.220.20 Površinska obrada

**Europska normizacija
CEN**

EN ISO 2063-1:2019
Thermal spraying – Zinc, aluminium and their alloys – Part 1: Design considerations and quality requirements for corrosion protection systems (ISO 2063-1:2019)

**Međunarodna normizacija
ISO**

ISO 2376:2019
Anodizing of aluminium and its alloys – Determination of breakdown voltage and withstand voltage

25.220.40 Metalne prevlake

**Europska normizacija
CEN**

EN ISO 2063-1:2019
Thermal spraying – Zinc, aluminium and their alloys – Part 1: Design considerations and quality requirements for corrosion protection systems (ISO 2063-1:2019)

25.220.50 Emajli

**Međunarodna normizacija
ISO**

ISO 8289-2:2019
Vitreous and porcelain enamels – Low-voltage test for detecting and locating defects – Part 2: Slurry test for profiled surfaces

ISO 11177:2019
Vitreous and porcelain enamels – Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply – Quality requirements and testing

27.015 Energetska učinkovitost. Očuvanje energije općenito

**Međunarodna normizacija
ISO**

ISO 50045:2019
Technical guidelines for the evaluation of energy savings of thermal power plants

27.020 Motori s unutrašnjim izgaranjem

Međunarodna normizacija ISO

ISO 2710-2:2019
Reciprocating internal combustion engines – Vocabulary
– Part 2: Terms for engine maintenance

27.060.20 Plinski plamenici

Europska normizacija CEN

EN 521:2019
Specifications for dedicated liquefied petroleum gas
appliances – Portable vapour pressure liquefied petroleum
gas appliances

27.080 Dizalice topline

Međunarodna normizacija ISO

ISO 19967-1:2019
Heat pump water heaters – Testing and rating for performance
– Part 1: Heat pump water heater for hot water supply

27.100 Elektrane općenito

Međunarodna normizacija ISO

ISO 50045:2019
Technical guidelines for the evaluation of energy savings of
thermal power plants

27.140 Hidroenergetika

Europska normizacija CENELEC

EN IEC 62364:2019
Hydraulic machines – Guidelines for dealing with hydro-
abrasive erosion in kaplan, francis and pelton turbines
(IEC 62364:2019)

27.160 Solarna energetika

Europska normizacija CEN

EN 12976-2:2019
Thermal solar systems and components – Factory made
systems – Part 2: Test methods

29.020 Elektrotehnika općenito

Međunarodna normizacija IEC

IEC 60050-171:2019
International Electrotechnical Vocabulary (IEV) – Part 171:
Digital technology – Fundamental concepts

29.035.01 Izolacijski materijali općenito

Međunarodna normizacija IEC

IEC 62631-3-4:2019
Dielectric and resistive properties of solid insulating materials
– Part 3-4: Determination of resistive properties (DC methods)
– Volume resistance and volume resistivity at elevated
temperatures

29.035.20 Plastični i gumeni izolacijski materijali

Europska normizacija CENELEC

HD 629-1-S3:2019
Test requirements for accessories for use on power cables of
rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV – Part 1:
Accessories for cables with extruded insulation

29.060.20 Kabeli

Europska normizacija CENELEC

HD 629-1-S3:2019
Test requirements for accessories for use on power cables of
rated voltage from 3,6/6(7,2) kV up to 20,8/36(42) kV – Part 1:
Accessories for cables with extruded insulation

29.080.20 Provodni izolatori

Europska normizacija CENELEC

EN 50673:2019
Plug-in type bushings for 72,5 kV with 630 A and 1250 A for
electrical equipment

29.100.10 Magnetski sastavni dijelovi

Međunarodna normizacija IEC

IEC 63093-4:2019
Ferrite cores – Guidelines on dimensions and the limits of
surface irregularities – Part 4: RM-cores

29.120.40 Sklopke

Europska normizacija CENELEC

EN IEC 61020-1:2019
Electromechanical switches for use in electrical and electronic
equipment – Part 1: Generic specification (IEC 61020-1:2019)

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija CENELEC

EN 62752:2016/AC:2019
In-cable control and protection device for mode 2 charging of
electric road vehicles (IC-CPD) (IEC 62752:2016/COR1:2019)

29.130.20 Niskonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN IEC 60947-4-1:2019
Low-voltage switchgear and controlgear – Part 4-1: Contactors
and motor-starters – Electromechanical contactors and
motor-starters (IEC 60947-4-1:2018)

EN IEC 60947-7-4:2019
Low-voltage switchgear and controlgear – Part 7-4: Ancillary
equipment – PCB terminal blocks for copper conductors
(IEC 60947-7-4:2019)

Međunarodna normizacija IEC

IEC 61439-3:2012/COR2:2019
Low-voltage switchgear and controlgear assemblies – Part 3:
Distribution boards intended to be operated by ordinary
persons (DBO); Corrigendum 2

29.140.10 Kape i držači svjetiljki

Međunarodna normizacija IEC

IEC 60061-1:1969/AMD58:2018/COR1:2019
Lamp caps and holders together with gauges for the control
of interchangeability and safety – Part 1: Lamps Caps;
Amendment 58; Corrigendum 1

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija CENELEC

EN IEC 62386-220:2019
Digital addressable lighting interface – Part 220: Particular
requirements for control gear – Centrally supplied emergency
operation (device type 19) (IEC 62386-220:2019)

29.140.99 Ostale norme koje se odnose na svjetiljke

Europska normizacija CENELEC

EN 62560:2012/A11:2019
Self-ballasted LED-lamps for general lighting services by
voltage > 50 V – Safety specifications

29.160.01 Rotacijski strojevi općenito

Europska normizacija CENELEC

EN IEC 60034-23:2019
Rotating electrical machines – Part 23: Repair, overhaul and
reclamation (IEC 60034-23:2019)

29.180 Transformatori. Prigušnice

Europska normizacija CENELEC

EN IEC 60076-22-1:2019
Power transformers – Part 22-1: Power transformer and
reactor fittings – Protective devices (IEC 60076-22-1:2019)

Međunarodna normizacija IEC

IEC 60076-11:2018/COR1:2019
Power transformers – Part 11: Dry-type transformers;
Corrigendum 1

IEC 60076-22-3:2019
Power transformers – Part 22-3: Power transformer and
reactor fittings – Insulating liquid to air heat exchangers

IEC 60076-22-4:2019
Power transformers – Part 22-4: Power transformer and
reactor fittings – Insulating liquid to water heat exchangers

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Europska normizacija CENELEC

EN 62747:2014/A1:2019
Terminology for voltage-sourced converters (VSC)
for high-voltage direct current (HVDC) systems
(IEC 62747:2014/A1:2019)

Međunarodna normizacija IEC

IEC 60335-2-29:2016/AMD1:2019
Household and similar electrical appliances – Safety
– Part 2-29: Particular requirements for battery chargers;
Amendment 1

IEC 60335-2-29 Edition 5.1:2019
Household and similar electrical appliances – Safety – Part 2-29:
Particular requirements for battery chargers

IEC 62909-2:2019
Bi-directional grid-connected power converters – Part 2:
Interface of GCPC and distributed energy resources

29.260.20 Električni uređaji za eksplozivnu atmosferu

Međunarodna normizacija IEC

IECEX 06:2019
IEC System for Certification to Standards relating to Equipment
for use in Explosive Atmospheres (IECEX System) – IECEX
Assessment Group (ExAG) – Membership and Terms of
Reference

31.020 Elektronički sastavni dijelovi općenito

Europska normizacija CENELEC

EN IEC 60286-3:2019
Packaging of components for automatic handling – Part 3:
Packaging of surface mount components on continuous tapes
(IEC 60286-3:2019)

31.060.20 Keramički kondenzatori i kondenzatori s tinjcem

Europska normizacija CENELEC

EN IEC 60384-21:2019
Fixed capacitors for use in electronic equipment – Part 21:
Sectional specification – Fixed surface mount multilayer
capacitors of ceramic dielectric, Class 1 (IEC 60384-21:2019)

EN IEC 60384-22:2019
Fixed capacitors for use in electronic equipment – Part 22:
Sectional specification – Fixed surface mount multilayer
capacitors of ceramic dielectric, Class 2 (IEC 60384-22:2019)

31.060.30 Papirni i plastični kondenzatori

Međunarodna normizacija IEC

IEC 60384-17:2019
Fixed capacitors for use in electronic equipment – Part 17:
Sectional specification – Fixed metallized polypropylene film
dielectric AC and pulse capacitors

31.080.01 Poluvodičke naprave općenito

Međunarodna normizacija IEC

IEC 60749-17:2019
Semiconductor devices – Mechanical and climatic test methods – Part 17: Neutron irradiation

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija IEC

IEC 62341-5-2:2019
Organic light emitting diode (OLED) displays – Part 5-2: Mechanical endurance test methods

IEC 62629-12-2:2019
3D display devices – Part 12-2: Measuring methods for stereoscopic displays using glasses – Motion blur

31.140 Piezoelektrične naprave

Europska normizacija CENELEC

EN IEC 60122-4:2019
Quartz crystal units of assessed quality – Part 4: Crystal units with thermistors (IEC 60122-4:2019)

31.180 Tiskani krugovi i pločice

Međunarodna normizacija IEC

IEC/TR 62878-2-7:2019
Device embedding assembly technology – Part 2-7: Guidelines – Accelerated stress testing of passive embedded circuit boards

31.190 Sklopovi elektroničkih sastavnih dijelova

Međunarodna normizacija IEC

IEC/TR 62878-2-7:2019
Device embedding assembly technology – Part 2-7: Guidelines – Accelerated stress testing of passive embedded circuit boards

31.200 Integrirani krugovi. Mikroelektronika

Međunarodna normizacija IEC

IEC 62228-3:2019
Integrated circuits – EMC evaluation of transceivers – Part 3: CAN transceivers

IEC 62433-1:2019
EMC IC modelling – Part 1: General modelling framework

31.220.10 Utikačke i utičničke naprave. Konektori

Europska normizacija CENELEC

EN IEC 60512-23-3:2019
Connectors for electrical and electronic equipment – Tests and measurements – Part 23-3: Screening and filtering tests – Test 23c: Shielding effectiveness of connectors and accessories – Line injection method (IEC 60512-23-3:2018)

EN 60603-7:2009/A2:2019
Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2008/A2:2019)

EN 61076-1:2006/A1:2019
Connectors for electronic equipment – Product requirements – Part 1: Generic specification (IEC 61076-1:2006/A1:2019)

Međunarodna normizacija IEC

IEC 60512-99-002:2019
Connectors for electrical and electronic equipment – Tests and measurements – Part 99-002: Endurance test schedules – Test 99b: Test schedule for unmating under electrical load

IEC 61076-3-124:2019
Connectors for electrical and electronic equipment – Product requirements – Part 3-124: Rectangular connectors – Detail specification for 10-way, shielded, free and fixed connectors for I/O and data transmission with frequencies up to 500 MHz

31.220.20 Sklopke

Europska normizacija CENELEC

EN IEC 61020-1:2019
Electromechanical switches for use in electrical and electronic equipment – Part 1: Generic specification (IEC 61020-1:2019)

31.240 Mehaničke konstrukcije za elektroničku opremu

Europska normizacija CENELEC

EN IEC 60286-3:2019
Packaging of components for automatic handling – Part 3: Packaging of surface mount components on continuous tapes (IEC 60286-3:2019)

Međunarodna normizacija IEC

IEC 62966-1:2019
Mechanical structures for electrical and electronic equipment – Aisle containment for it cabinets – Part 1: Dimensions and mechanical requirements

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija IEC

IEC 62341-5-2:2019
Organic light emitting diode (OLED) displays – Part 5-2: Mechanical endurance test methods

IEC 62629-12-2:2019
3D display devices – Part 12-2: Measuring methods for stereoscopic displays using glasses – Motion blur

33.020 Telekomunikacije općenito

Europska normizacija ETSI

ETSI SR 000314 V 2.25.1:2019
Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards

Međunarodna normizacija IEC

IEC 60050-171:2019
International Electrotechnical Vocabulary (IEV) – Part 171: Digital technology – Fundamental concepts

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

EN 303470 V 1.1.1:2019
Environmental Engineering (EE) – Energy Efficiency measurement methodology and metrics for servers

ETSI TS 103222-1 V 1.3.1:2019
Speech and multimedia Transmission Quality (STQ) – Reference benchmarking, background traffic profiles and KPIs – Part 1: Reference benchmarking, background traffic profiles and KPIs for VoIP and FoIP in fixed networks

ETSI TR 103603 V 1.1.1:2019
User Group – User Centric Approach – Guidance for providers and standardization makers

ETSI TS 119432 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Protocols for remote digital signature creation

ETSI TS 119495 V 1.3.1:2019
Electronic Signatures and Infrastructures (ESI) – Sector Specific Requirements – Qualified Certificate Profiles and TSP Policy Requirements under the payment services Directive (EU) 2015/2366

33.040.35 Telefonske mreže

Europska normizacija ETSI

ETSI TS 103221-2 V 1.1.1:2019
Lawful Interception (LI) – Part 2: Internal Network Interface X2/X3 for Lawful Interception

33.040.40 Mreže za prijenos podataka

Europska normizacija CENELEC

EN IEC 61850-8-2:2019
Communication networks and systems for power utility automation – Part 8-2: Specific Communication Service Mapping (SCSM) – Mapping to Extensible Messaging Presence Protocol (XMPP) (IEC 61850-8-2:2018)

ETSI

ETSI GS NFV-IFA 011 V 2.6.1:2019
Network Functions Virtualisation (NFV) Release 2 – Management and Orchestration – VNF Descriptor and Packaging Specification

33.040.99 Ostala oprema za komunikacijske sustave

Europska normizacija ETSI

ETSI TS 103397 V 1.1.1:2019
Core Network and Interoperability Testing (INT) – VoLTE and ViLTE interconnect, interworking and roaming test specification with QoS/QoE (3GPPTM Release 12)

ETSI TS 103523-3 V 1.2.1:2019
CYBER – Middlebox Security Protocol – Part 3: Enterprise Transport Security

33.050.01 Telekomunikacijska terminalna oprema općenito

Europska normizacija ETSI

EN 300132-1 V 2.1.1:2019
Environmental Engineering (EE) – Power supply interface at the input to Information and Communication Technology (ICT) equipment – Part 1: Alternating Current (AC)

33.060.01 Radiokomunikacije općenito

Europska normizacija ETSI

ETSI TS 103655-1 V 1.1.1:2019
Reconfigurable Radio Systems (RRS) – Radio Interface Engine (RIE) – Part 1: Technical requirements

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

ETSI TS 103641 V 1.1.1:2019
Reconfigurable Radio Systems (RRS) – Radio Equipment (RE) reconfiguration requirements

33.070.10 Terestrijalni trunking radio (TETRA)

Europska normizacija ETSI

ETSI TS 100392-19-2 V 1.1.1:2019
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 19: Interworking between TETRA and Broadband systems – Sub-part 2: Format for the transport of TETRA speech over mission critical broadband systems

ETSI TS 103564 V 1.2.1:2019
PlugtestsTM scenarios for Mission Critical Services

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

ETSI TR 121905 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Vocabulary for 3GPP Specifications (3GPP TR 21.905 version 15.1.0 Release 15)

ETSI TS 122261 V 15.7.0:2019
5G – Service requirements for next generation new services and markets (3GPP TS 22.261 version 15.7.0 Release 15)

ETSI TS 123003 V 15.6.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Numbering, addressing and identification (3GPP TS 23.003 version 15.6.0 Release 15)

ETSI TS 123008 V 15.6.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 15.6.0 Release 15)

ETSI TS 123015 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 15.1.0 Release 15)

ETSI TS 123041 V 15.4.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Cell Broadcast Service (CBS) (3GPP TS 23.041 version 15.4.0 Release 15)

ETSI TS 123060 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 2 (3GPP TS 23.060 version 15.5.0 Release 15)

ETSI TS 123122 V 15.6.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 15.6.0 Release 15)

- ETSI TS 123167 V 15.4.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE
– IP Multimedia Subsystem (IMS) emergency sessions
(3GPP TS 23.167 version 15.4.0 Release 15)
- ETSI TS 123214 V 15.5.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE
– Architecture enhancements for control and user plane
separation of EPC nodes (3GPP TS 23.214 version 15.5.0
Release 15)
- ETSI TS 123221 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– Architectural requirements (3GPP TS 23.221 version 15.1.0
Release 15)
- ETSI TS 123285 V 15.2.0:2019
Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements for V2X services
(3GPP TS 23.285 version 15.2.0 Release 15)
- ETSI TS 123380 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– IMS Restoration Procedures (3GPP TS 23.380 version 15.1.0
Release 15)
- ETSI TS 123401 V 15.6.0:2019
LTE – General Packet Radio Service (GPRS) enhancements
for Evolved Universal Terrestrial Radio Access Network
(E-UTRAN) access (3GPP TS 23.401 version 15.6.0 Release 15)
- ETSI TS 123501 V 15.4.0:2019
5G – System Architecture for the 5G System
(3GPP TS 23.501 version 15.4.0 Release 15)
- ETSI TS 123502 V 15.4.1:2019
5G – Procedures for the 5G System (5GS)
(3GPP TS 23.502 version 15.4.1 Release 15)
- ETSI TS 123503 V 15.4.0:2019
5G – Policy and Charging Control Framework for the 5G
System – Stage 2 (3GPP TS 23.503 version 15.4.0 Release 15)
- ETSI TS 123682 V 15.7.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements to facilitate
communications with packet data networks and applications
(3GPP TS 23.682 version 15.7.0 Release 15)
- ETSI TS 124007 V 15.3.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Mobile radio interface signalling layer 3 – General
Aspects (3GPP TS 24.007 version 15.3.0 Release 15)
- ETSI TS 124008 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Mobile radio interface Layer 3 specification – Core
network protocols – Stage 3 (3GPP TS 24.008 version 15.5.0
Release 15)
- ETSI TS 124167 V 15.4.0:2019
Universal Mobile Telecommunications System (UMTS)
– LTE – 3GPP IMS Management Object (MO) – Stage 3
(3GPP TS 24.167 version 15.4.0 Release 15)
- ETSI TS 124173 V 15.3.0:2019
Universal Mobile Telecommunications System (UMTS)
– LTE – 5G – IMS Multimedia telephony communication
service and supplementary services – Stage 3
(3GPP TS 24.173 version 15.3.0 Release 15)
- ETSI TS 124229 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 15.5.0 Release 15)
- ETSI TS 124237 V 15.4.0:2019
Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia (IM) Core Network (CN) subsystem
IP Multimedia Subsystem (IMS) service continuity – Stage 3
(3GPP TS 24.237 version 15.4.0 Release 15)
- ETSI TS 124301 V 15.5.0:2019
Universal Mobile Telecommunications System
(UMTS) – LTE – 5G – Non-Access-Stratum (NAS)
protocol for Evolved Packet System (EPS) – Stage 3
(3GPP TS 24.301 version 15.5.0 Release 15)
- ETSI TS 124302 V 15.5.0:2019
Universal Mobile Telecommunications System (UMTS)
– LTE – Access to the 3GPP Evolved Packet Core
(EPC) via non-3GPP access networks – Stage 3
(3GPP TS 24.302 version 15.5.0 Release 15)
- ETSI TS 124341 V 15.4.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Support of SMS over IP networks – Stage 3
(3GPP TS 24.341 version 15.4.0 Release 15)
- ETSI TS 124386 V 15.2.0:2019
LTE – User Equipment (UE) to V2X control function – protocol
aspects – Stage 3 (3GPP TS 24.386 version 15.2.0 Release 15)
- ETSI TS 126445 V 12.12.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE
– Codec for Enhanced Voice Services (EVS) – Detailed
algorithmic description (3GPP TS 26.445 version 12.12.0
Release 12)
- ETSI TS 126445 V 13.7.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE
– Codec for Enhanced Voice Services (EVS) – Detailed
algorithmic description (3GPP TS 26.445 version 13.7.0
Release 13)
- ETSI TS 126445 V 14.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE
– Codec for Enhanced Voice Services (EVS) – Detailed
algorithmic description (3GPP TS 26.445 version 14.3.0
Release 14)
- ETSI TR 126973 V 15.2.0:2019
5G – Update to fixed-point basic operators
(3GPP TR 26.973 version 15.2.0 Release 15)
- ETSI TS 134123-3 V 14.5.0:2019
Universal Mobile Telecommunications System (UMTS) – User
Equipment (UE) conformance specification – Part 3: Abstract
test suite (ATS) (3GPP TS 34.123-3 version 14.5.0 Release 14)
- ETSI TS 136213 V 12.13.0:2019
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Physical layer procedures (3GPP TS 36.213 version 12.13.0
Release 12)
- ETSI TS 136213 V 13.11.0:2019
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Physical layer procedures (3GPP TS 36.213 version 13.11.0
Release 13)
- ETSI TS 136213 V 14.8.0:2019
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Physical layer procedures (3GPP TS 36.213 version 14.8.0
Release 14)
- ETSI TS 136213 V 15.3.0:2019
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Physical layer procedures (3GPP TS 36.213 version 15.3.0
Release 15)
- ETSI TS 136521-1 V 15.3.1:2019
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 15.3.1 Release 15)
- ETSI TS 136521-3 V 15.3.0:2019
LTE – Evolved Universal Terrestrial Radio Access
(E-UTRA) – User Equipment (UE) conformance specification
– Radio transmission and reception – Part 3: Radio
Resource Management (RRM) conformance testing
(3GPP TS 36.521-3 version 15.3.0 Release 15)

33.070.99 Ostale pokretne službe

Europska normizacija ETSI

- ETSI TR 103631 V 1.1.1:2019
Wireless Access Systems including Radio Local Area Networks (WAS/RLANs) in the band 6725 MHz to 7125 MHz
- ETSI TS 123222 V 15.4.0:2019
LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 23.222 version 15.4.0 Release 15)
- ETSI TS 123280 V 15.5.0:2019
LTE – Common functional architecture to support mission critical services – Stage 2 (3GPP TS 23.280 version 15.5.0 Release 15)
- ETSI TS 123281 V 15.5.0:2019
LTE – Functional architecture and information flows to support Mission Critical Video (MCVideo) – Stage 2 (3GPP TS 23.281 version 15.5.0 Release 15)
- ETSI TS 123527 V 15.1.0:2019
5G – 5G System – Restoration Procedures (3GPP TS 23.527 version 15.1.0 Release 15)
- ETSI TS 124250 V 15.1.0:2019
LTE – Protocol for Reliable Data Service between UE and SCEF – Stage 3 (3GPP TS 24.250 version 15.1.0 Release 15)
- ETSI TS 124281 V 15.3.0:2019
LTE – Mission Critical Video (MCVideo) signalling control – Protocol specification (3GPP TS 24.281 version 15.3.0 Release 15)
- ETSI TS 124282 V 15.4.0:2019
LTE – Mission Critical Data (MCDData) signalling control – Protocol specification (3GPP TS 24.282 version 15.4.0 Release 15)
- ETSI TS 124379 V 15.4.0:2019
LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 15.4.0 Release 15)
- ETSI TS 124380 V 15.4.0:2019
LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 15.4.0 Release 15)

33.100.10 Zračenje

Europska normizacija CENELEC

- EN IEC 61000-3-2:2019
Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2:2018)

ETSI

- ETSI TR 103100 V 2.1.1:2019
Operation of RFID in the UHF Band – Proposed improvements to be incorporated into future versions of ETSI EN 302208

33.100.20 Otpornost

Europska normizacija CENELEC

- EN IEC 55016-1-4:2019
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 16-1-4:2019)

Međunarodna normizacija IEC

- IEC 62228-3:2019
Integrated circuits – EMC evaluation of transceivers – Part 3: CAN transceivers
- IEC 62433-1:2019
EMC IC modelling – Part 1: General modelling framework

33.120.40 Antene

Europska normizacija CENELEC

- EN IEC 55016-1-4:2019
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 16-1-4:2019)

33.140 Posebna mjerna oprema za upotrebu u telekomunikacijama

Međunarodna normizacija IEC

- IEC 61315:2019
Calibration of fibre-optic power meters

33.170 Televizijski i radijski prijenos

Europska normizacija ETSI

- ETSI TS 102822-3-1 V 1.11.1:2019
Broadcast and On-line Services: Search, select, and rightful use of content ('TV-Anytime') – Part 3: Metadata – Sub-part 1: Phase 1 – Metadata schemas

33.180.01 Svjetlovodni sustavi općenito

Europska normizacija CENELEC

- EN IEC 61918:2018/AC:2019
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018)

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija CENELEC

- EN IEC 60793-2-50:2019
Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50:2018)

Međunarodna normizacija IEC

- IEC 60793-1-40:2019
Optical fibres – Part 1-40: Attenuation measurement methods
- IEC 60794-2-30:2019
Optical fibre cables – Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables for use in terminated cable assemblies
- IEC 61315:2019
Calibration of fibre-optic power meters

33.180.20 Svjetlovodne vezne naprave

Europska normizacija CENELEC

- EN IEC 61300-2-4:2019
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-4: Tests – Fibre or cable retention (IEC 61300-2-4:2019)

Međunarodna normizacija IEC

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

33.180.30 Optička pojačala

Međunarodna normizacija IEC

IEC 62148-21:2019

Fibre optic active components and devices – Package and interface standards – Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA)

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija CENELEC

EN IEC 61850-8-2:2019

Communication networks and systems for power utility automation – Part 8-2: Specific Communication Service Mapping (SCSM) – Mapping to Extensible Messaging Presence Protocol (XMPP) (IEC 61850-8-2:2018)

Međunarodna normizacija IEC

IEC 61968-4:2019

Application integration at electric utilities – System interfaces for distribution management – Part 4: Interfaces for records and asset management

35.020 Informacijska tehnologija (IT) općenito

Europska normizacija CEN

EN 1047-2:2019

Secure storage units – Classification and methods of test for resistance to fire – Part 2: Data rooms and data container

CENELEC

EN 50600-4-2:2016/A1:2019

Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness

EN 50600-4-3:2016/A1:2019

Information technology – Data centre facilities and infrastructures – Part 4-3: Renewable Energy Factor

Međunarodna normizacija ISO

ISO/IEC TR 23050:2019

Information technology – Data centres – Impact on data centre resource metrics of electrical energy storage and export

35.030 Informatička sigurnost

Europska normizacija CEN

CEN/TR 419210:2019

Applicability of CEN Standards to Qualified Electronic Seal Creation Device under the EU Regulation N°910/2014 (eIDAS)

ETSI

ETSI TS 103523-3 V 1.2.1:2019

CYBER – Middlebox Security Protocol – Part 3: Enterprise Transport Security

35.040.30 Kodiranje grafičkih i fotografskih informacija

Međunarodna normizacija ISO

ISO/IEC 14492:2019

Information technology – Lossy/lossless coding of bi-level images

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO

ISO/IEC 23001-11:2019

Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata)

35.080 Softver (programaska podrška)

Međunarodna normizacija ISO

ISO/IEC/IEEE 15026-1:2019

Systems and software engineering – Systems and software assurance – Part 1: Concepts and vocabulary

ISO/IEC 24773-1:2019

Software and systems engineering – Certification of software and systems engineering professionals – Part 1: General requirements

35.100.60 Sloj prikazivanja

Međunarodna normizacija ISO

ISO/IEC 8824-1 AMD 1:2019

Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation – Amendment 1

35.110 Umrežavanje

Europska normizacija CENELEC

EN 50600-4-2:2016/A1:2019

Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness

EN 50600-4-3:2016/A1:2019

Information technology – Data centre facilities and infrastructures – Part 4-3: Renewable Energy Factor

EN IEC 61918:2018/AC:2019

Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2018)

EN IEC 62056-8-4:2019

Electricity metering data exchange – The DLMS/COSEM suite – Part 8-4: Communication profiles for narrow-band OFDM PLC PRIME neighbourhood networks (IEC 62056-8-4:2018)

ETSI

ETSI TS 103655-1 V 1.1.1:2019

Reconfigurable Radio Systems (RRS) – Radio Interface Engine (RIE) – Part 1: Technical requirements

ETSI GR NFV-TST 011 V 1.1.1:2019

Network Functions Virtualisation (NFV) – Testing – Test Domain and Description Language Recommendations

ETSI GS NFV-IFA 011 V 2.6.1:2019

Network Functions Virtualisation (NFV) Release 2 – Management and Orchestration – VNF Descriptor and Packaging Specification

ETSI GS NFV-SOL 007 V 2.6.1:2019
Network Functions Virtualisation (NFV) Release 2 – Protocols and Data Models – Network Service Descriptor File Structure Specification

ETSI GS NFV-TST 008 V 3.2.1:2019
Network Functions Virtualisation (NFV) Release 3 – Testing – NFVI Compute and Network Metrics Specification

Međunarodna normizacija ISO

ISO/IEC/IEEE 8802-11 AMD 2:2019
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications – Amendment 2: Sub 1 GHz license exempt operation

35.160 Mikroprocesorski sustavi

Europska normizacija CENELEC

EN 50600-4-2:2016/A1:2019
Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness

EN 50600-4-3:2016/A1:2019
Information technology – Data centre facilities and infrastructures – Part 4-3: Renewable Energy Factor

35.180 Terminalna i druga vanjska oprema informacijske tehnologije

Međunarodna normizacija ISO

ISO 9241-220:2019
Ergonomics of human-system interaction – Part 220: Processes for enabling, executing and assessing human-centred design within organizations

35.240.15 Identifikacijske kartice i pripadajuće naprave

Europska normizacija ETSI

ETSI TS 102241 V 12.1.0:2019
Smart Cards – UICC Application Programming Interface (UICC API) for Java Card (TM) (Release 12)

ETSI TS 102241 V 13.2.0:2019
Smart Cards – UICC Application Programming Interface (UICC API) for Java Card (Release 13)

ETSI TS 102241 V 14.1.0:2019
Smart Cards – UICC Application Programming Interface (UICC API) for Java Card (Release 14)

ETSI TS 102483 V 12.0.0:2019
Smart cards – UICC-Terminal interface – Internet Protocol connectivity between UICC and terminal (Release 12)

ETSI TS 103481 V 11.1.0:2019
Smart Cards – Test specification for the Remote APDU structure for UICC based applications – UICC features (Release 11)

35.240.30 Primjene informacijske tehnologije u obavješćivanju, dokumentaciji i izdavaštvu

Međunarodna normizacija ISO

ISO 30042:2019
Management of terminology resources – TermBase eXchange (TBX)

35.240.60 Primjene informacijske tehnologije u prijevozu i trgovini

Europska normizacija CEN

EN 16815:2019
CleANopen – Application profile for municipal vehicles

EN ISO 17264:2009/A1:2019
Intelligent transport systems – Automatic vehicle and equipment identification – Interfaces – Amendment 1 (ISO 17264:2009/Amd 1:2019)

ETSI

ETSI TS 103525-1 V 1.1.1:2019
Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 1: Protocol Implementation Conformance Statement (PICS)

ETSI TS 103525-2 V 1.1.1:2019
Intelligent Transport Systems (ITS) – Testing – Conformance test specifications for ITS PKI management – Part 2: Test Suite Structure and Test Purposes (TSS & TP)

ETSI TS 103525-3 V 1.1.1:2019
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)

Međunarodna normizacija ISO

ISO 14816:2005/Amd 1:2019
Road transport and traffic telematics – Automatic vehicle and equipment identification – Numbering and data structure; Amendment 1

ISO/TR 22086-1:2019
Intelligent transport systems (ITS) – Network based precise positioning infrastructure for land transportation – Part 1: General information and use case definitions

35.240.63 Primjene informacijske tehnologije u trgovini

Europska normizacija CEN

CEN/TR 419210:2019
Applicability of CEN Standards to Qualified Electronic Seal Creation Device under the EU Regulation N°910/2014 (eIDAS)

35.240.70 Primjene informacijske tehnologije u znanosti

Europska normizacija CEN

EN ISO 19112:2019
Geographic information – Spatial referencing by geographic identifiers (ISO 19112:2019)

35.240.80 Primjene informacijske tehnologije u tehnologiji zaštite zdravlja

Međunarodna normizacija ISO

ISO/IEEE 11073-10207:2019
Health informatics – Personal health device communication – Part 10207: Domain information and service model for service-oriented point-of-care medical device communication

ISO/IEEE 11073-10419:2019
Health informatics – Personal health device communication – Part 10419: Device specialization – Insulin pump

ISO/IEEE 11073-10425:2019
Health informatics – Personal health device communication
– Part 10425: Device specialization – Continuous glucose
monitor (CGM)

35.240.99 Primjene IT-a u ostalim područjima

Europska normizacija CEN

EN 16602-31-04:2019
Space engineering – Exchange of thermal analysis data

CENELEC

EN IEC 62386-220:2019
Digital addressable lighting interface – Part 220: Particular
requirements for control gear – Centrally supplied emergency
operation (device type 19) (IEC 62386-220:2019)

Međunarodna normizacija ISO

ISO 11783-2:2019
Tractors and machinery for agriculture and forestry – Serial
control and communications data network – Part 2: Physical
layer

37.020 Optička oprema

Međunarodna normizacija ISO

ISO 9345:2019
Microscopes – Interfacing dimensions for imaging components

37.040.10 Fotografaska oprema. Projektori

Međunarodna normizacija ISO

ISO 516:2019
Camera shutters – Timing – General definition and mechanical
shutter measurements

43.020 Cestovna vozila općenito

Međunarodna normizacija ISO

ISO 17840-2:2019
Road vehicles – Information for first and second responders
– Part 2: Rescue sheet for buses, coaches and heavy
commercial vehicles

ISO 17840-3:2019
Road vehicles – Information for first and second responders
– Part 3: Emergency response guide template

43.040.01 Sustavi u/na cestovnim vozilima općenito

Međunarodna normizacija ISO

ISO 20934:2019
Road vehicles – Fuse-links with axial terminals for use in 48V
networks – Types SF36-70V, SF51-70V and SF56-70V

43.040.10 Električna i elektronička oprema

Međunarodna normizacija ISO

ISO 4141-1:2019
Road vehicles – Multi-core connecting cables – Part 1: Test
methods and requirements for basic performance sheathed
cables

ISO 4141-2:2019
Road vehicles – Multi-core connecting cables – Part 1: Test
methods and requirements for basic performance sheathed
cables

ISO 4141-3:2019
Road vehicles – Multi-core connecting cables – Part 3:
Construction, dimensions and marking of unscreened
sheathed low-voltage cables

43.040.20 Uređaji za osvjetljivanje, svjetlosnu signalizaciju i upozoravanje

Međunarodna normizacija IEC

IEC 60809:2014/AMD3:2019
Lamps for road vehicles – Dimensional, electrical and
luminous requirements; Amendment 3

IEC 60809 Edition 3.3:2019
Lamps for road vehicles – Dimensional, electrical and
luminous requirements

43.120 Električna cestovna vozila

Europska normizacija CEN

EN 17186:2019
Identification of vehicles and infrastructures compatibility
– Graphical expression for consumer information on EV
power supply

CENELEC

EN 62752:2016/AC:2019
In-cable control and protection device for mode 2 charging of
electric road vehicles (IC-CPD) (IEC 62752:2016/COR1:2019)

Međunarodna normizacija ISO

ISO 15118-1:2019
Road vehicles – Vehicle to grid communication interface
– Part 1: General information and use-case definition

43.160 Vozila za posebne namjene

Europska normizacija CEN

EN 16815:2019
CleANopen – Application profile for municipal vehicles

43.180 Oprema za dijagnostiku, održavanje i ispitivanje

Međunarodna normizacija ISO

ISO 20080:2019
Road vehicles – Information for remote diagnostic support
– General requirements, definitions and use cases

45.040 Materijali i sastavni dijelovi za željezničku tehniku

Europska normizacija CEN

EN 15329:2019
Railway applications – Braking – Brake block holder and
brake block key

45.060.20 Vozila za tegljenje

Europska normizacija CEN

- EN 16860:2019
Railway applications – Requirements and general principles for securing payload in rail freight transport

47.020.50 Palubna oprema i instalacije

Međunarodna normizacija ISO

- ISO 21130:2019
Ships and marine technology – Major components of emergency towing arrangements
- ISO 21539:2019
Ships and marine technology – Testing specification for walkways using electrical resistance trace heating
- ISO 21885:2019
Ships and marine technology – Testing specification for stairsteps using electrical resistance trace heating
- ISO 22419:2019
Ships and marine technology – Testing specification for handrails using electrical resistance trace heating

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Međunarodna normizacija IEC

- IEC/IEEE 80005-1:2019
Utility connections in port – Part 1: High voltage shore connection (HVSC) systems – General requirements
- IEC/IEEE 80005-1:2019
Utility connections in port – Part 1: High voltage shore connection (HVSC) systems – General requirements

47.080 Mala plovila

Europska normizacija CEN

- EN ISO 10087:2019
Small craft – Craft identification – Coding system (ISO 10087:2019)

Međunarodna normizacija ISO

- ISO 11591:2019
Small craft – Field of vision from the steering position

49.025.10 Čelici

Europska normizacija CEN

- EN 2468:2019
Aerospace series – Steel FE-PA11 – Softened – Tubes – $0,5 \text{ mm} \leq a \leq 5 \text{ mm}$
- EN 2470:2019
Aerospace series – Steel FE-PA11 – Softened and cold drawn – Wires for rivets – $1 \text{ mm} \leq D \leq 10 \text{ mm}$
- EN 3470:2019
Aerospace series – Steel FE-PM1503 (X3CrNiMoAl13-8-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Forgings – a or $D \leq 150 \text{ mm}$ – $1200 \text{ MPa} \leq R_m \leq 1400 \text{ MPa}$

49.025.20 Aluminij

Europska normizacija CEN

- EN 2320:2019
Aerospace series – Aluminium alloy 2024-T4 – Drawn bar – $a \leq 75 \text{ mm}$
- EN 2321:2019
Aerospace series – Aluminium alloy 2024-T3 – Bars and sections – $a \leq 150 \text{ mm}$
- EN 2699:2019
Aerospace series – Aluminium alloy (5086) – Annealed and straightened (H111) – Drawn bar – $6 \text{ mm D } 50 \text{ mm}$
- EN 4289:2019
Aerospace series – Aluminium alloy AL-P7175 – Forging stock
- EN 4400-1:2019
Aerospace series – Aluminium and aluminium- and magnesium-alloys – Technical specification – Part 1: Aluminium and aluminium alloy plate
- EN 4400-2:2019
Aerospace series – Aluminium and aluminium- and magnesium-alloys – Technical specification – Part 2: Aluminium and aluminium alloy sheet and strip
- EN 4400-3:2019
Aerospace series – Aluminium and aluminium- and magnesium-alloys – Technical specification – Part 3: Aluminium and aluminium alloy bar and section
- EN 4400-6:2019
Aerospace series – Aluminium and aluminium- and magnesium-alloys – Technical specification – Part 6: Aluminium alloy forging stock

49.025.30 Titan

Europska normizacija CEN

- EN 3314:2019
Aerospace series – Titanium alloy TI-P64001 – Solution treated and aged – Bar for machining – $D \leq 75 \text{ mm}$

49.025.99 Ostali materijali

Europska normizacija CEN

- EN 2952:2019
Aerospace series – Heat resisting alloy NI-PH2601 – Solution treated and cold worked – Bar for forged fasteners – $D \leq 50 \text{ mm}$ – $1\ 270 \text{ MPa} \leq R_m \leq 1\ 550 \text{ MPa}$
- EN 3220:2019
Aerospace series – Heat resisting nickel base alloy (Ni-P101HT) – Cold worked and softened – Bar and wire for continuous forging or extrusion for fasteners – $3 \text{ mm} \leq D \leq 30 \text{ mm}$

49.030.20 Vijci i svorni vijci

Europska normizacija CEN

- EN 3833:2019
Aerospace series – Bolts, MJ threads, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), passivated – Classification: 1550 MPa (at ambient temperature) / $650 \text{ }^\circ\text{C}$ – Technical specification

49.030.30 Matice

Europska normizacija CEN

- EN 2923:2019
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated – Classification: 600 MPa (at ambient temperature)/425 °C
- EN 2924:2019
Aerospace series – Nuts, hexagon, plain, reduced height, reduced across flats, in heat resisting steel, silver plated, left hand thread – Classification: 600 MPa (at ambient temperature)/425 °C

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

- EN 3155-004:2019
Aerospace series – Electrical contacts used in elements of connection – Part 004: Contacts, electrical, male, type A, crimp, class T – Product standard
- EN 3155-005:2019
Aerospace series – Electrical contacts used in elements of connection – Part 005: Contacts, electrical, female, type A, crimp, class T – Product standard
- EN 3645-004:2019
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 004: Receptacle, hermetic, square flange mounting – Product standard
- EN 3645-009:2019
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 009: Receptacle, round flange, jam nut mounting – Product standard
- EN 6059-402:2019
Aerospace Series – Electrical cables, installation – Protection sleeves – Test methods – Part 402: Bending properties
- EN 16602-70-26:2019
Space product assurance – Crimping of high-reliability electrical connections

49.140 Svemirski sustavi i operacije

Europska normizacija CEN

- EN 16602-70-26:2019
Space product assurance – Crimping of high-reliability electrical connections
- EN 16602-70-54:2019
Space product assurance – Ultracleaning of flight hardware
- EN 16602-31-04:2019
Space engineering – Exchange of thermal analysis data

Međunarodna normizacija ISO

- ISO 21886:2019
Space systems – Configuration management

53.060 Industrijski prijevozni sustavi

Europska normizacija CEN

- EN 16796-4:2019
Energy efficiency of Industrial trucks – Test methods – Part 4: Variable-reach rough-terrain trucks

Međunarodna normizacija ISO

- ISO 10896-6:2015/Amd 1:2019
Rough-terrain trucks – Safety requirements and verification – Part 6: Tilting operator's cabs; Amendment 1
- ISO 15871:2019
Industrial trucks – Specifications for indicator lights for container handling and grapple arm operations

53.100 Strojevi za zemljane radove

Međunarodna normizacija ISO

- ISO 7135 AMD 1:2019
Earth-moving machinery – Hydraulic excavators – Terminology and commercial specifications; Amendment 1

55.060 Špule. Svitci

Europska normizacija CENELEC

- EN IEC 60286-3:2019
Packaging of components for automatic handling – Part 3: Packaging of surface mount components on continuous tapes (IEC 60286-3:2019)

55.180.99 Ostale norme koje se odnose na distribuciju robe

Europska normizacija CEN

- EN 16860:2019
Railway applications – Requirements and general principles for securing payload in rail freight transport

59.060.01 Tekstilna vlakna općenito

Europska normizacija CEN

- EN ISO 1833-6:2019
Textiles – Quantitative chemical analysis – Part 6: Mixtures of viscose, certain types of cupro, modal or lyocell with certain other fibres (method using formic acid and zinc chloride) (ISO 1833-6:2018)
- EN ISO 1833-20:2019
Textiles – Quantitative chemical analysis – Part 20: Mixtures of elastane with certain other fibres (method using dimethylacetamide) (ISO 1833-20:2018)
- EN ISO 21084:2019
Textiles – Method for determination of alkylphenols (AP) (ISO 21084:2019)

59.080.01 Tekstili općenito

Europska normizacija CEN

- CEN/TR 17222:2019
Textile products and nanotechnologies – Guidance on tests to simulate nanoparticle release – Skin exposure

59.080.30 Tekstilni proizvodi

Međunarodna normizacija ISO

- ISO 9092:2019
Nonwovens – Vocabulary

59.080.70 Geotekstili

Europska normizacija
CEN

EN ISO 10320:2019
Geosynthetics – Identification on site (ISO 10320:2019)

59.140.30 Koža i krzno

Europska normizacija
CEN

EN ISO 17072-1:2019
Leather – Chemical determination of metal content – Part 1:
Extractable metals (ISO 17072-1:2019)

EN ISO 17072-2:2019
Leather – Chemical determination of metal content – Part 2:
Total metal content (ISO 17072-2:2019)

Međunarodna normizacija
ISO

ISO 22700:2019
Leather – Measuring the colour and colour difference of
finished leather

ISO 26082-1:2019
Leather – Physical and mechanical test methods for the
determination of soiling – Part 1: Rubbing (Martindale)
method

61.060 Obuća

Međunarodna normizacija
ISO

ISO 20535:2019
Footwear – Test method for insoles and insocks – Dimensional
change after cycle of wetting and drying

65.060.01 Poljoprivredni strojevi i oprema općenito

Međunarodna normizacija
ISO

ISO 11783-2:2019
Tractors and machinery for agriculture and forestry – Serial
control and communications data network – Part 2: Physical
layer

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija
ISO

ISO 16055:2019
Tobacco and tobacco products – Monitor test piece
– Requirements and use

ISO 22253:2019
Cigarettes – Determination of nicotine in total particulate
matter from the mainstream smoke with an intense smoking
regime – Gas-chromatographic method

67.060 Žitarice, mahunarke i proizvodi od žitarica i mahunarka

Međunarodna normizacija
ISO

ISO 7305:2019
Milled cereal products – Determination of fat acidity

67.200.10 Životinjske i biljne masti i ulja

Međunarodna normizacija
ISO

ISO 12871:2019
Olive oils and olive-pomace oils – Determination of aliphatic and
triterpenic alcohols content by capillary gas chromatography

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Međunarodna normizacija
IEC

IEC 61010-1:2010/AMD1:2016/COR1:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 1: General requirements;
Amendment 1; Corrigendum 1

IEC 61010-2-011:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 2-011: Particular
requirements for refrigerating equipment

71.040.40 Kemijska analiza

Europska normizacija
CENELEC

EN IEC 60746-4:2019
Expression of performance of electrochemical analyzers
– Part 4: Dissolved oxygen in water measured by membrane-
covered amperometric sensors (IEC 60746-4:2018)

Međunarodna normizacija
IEC

IEC 61010-1:2010/AMD1:2016/COR1:2019
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 1: General requirements;
Amendment 1; Corrigendum 1

71.040.50 Fizikalnokemijske metode analize

Europska normizacija
CENELEC

EN IEC 60746-4:2019
Expression of performance of electrochemical analyzers
– Part 4: Dissolved oxygen in water measured by membrane-
covered amperometric sensors (IEC 60746-4:2018)

71.100.80 Kemikalije za pročišćivanje vode

Europska normizacija
CEN

EN 17215:2019
Chemicals used for treatment of water intended for human
consumption – Iron-based coagulants – Analytical methods

73.060.10 Željezove rude

Međunarodna normizacija
ISO

ISO 2597-2:2019
Iron ores – Determination of total iron content – Part 2:
Titrimetric methods after titanium(III) chloride reduction

75.080 Naftni proizvodi općenito

Međunarodna normizacija
ISO

ISO 3405:2019
Petroleum and related products from natural or synthetic
sources – Determination of distillation characteristics at
atmospheric pressure

75.100 Maziva, industrijska ulja i srodni proizvodi

Međunarodna normizacija ISO

ISO 8068 AMD 1:2019
Lubricants, industrial oils and related products (class L) – Family T (Turbines) – Specification for lubricating oils for turbines – Amendment 1: Filterability tests according to ISO 13357-1 and ISO 13357-2 – Requirements related to the stage of the test method

75.160.20 Tekuća goriva

Europska normizacija CEN

EN 15940:2016+A1:2018+AC:2019
Automotive fuels – Paraffinic diesel fuel from synthesis or hydrotreatment – Requirements and test methods

75.180.20 Procesna oprema

Međunarodna normizacija ISO

ISO 23251:2019
Petroleum, petrochemical and natural gas industries – Pressure-relieving and depressuring systems

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Međunarodna normizacija ISO

ISO 21809-11:2019
Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 11: Coatings for in-field application, coating repairs and rehabilitation

77.040.20 Nerazorno ispitivanje metala

Europska normizacija CEN

EN ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-6:2019)

EN ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-7:2019)

Međunarodna normizacija ISO

ISO 11484:2019
Steel products – Employer's qualification system for non-destructive testing (NDT) personnel

77.040.30 Kemijska analiza metala

Europska normizacija CEN

EN 14726:2019
Aluminium and aluminium alloys – Determination of the chemical composition of aluminium and aluminium alloys by spark optical emission spectrometry

77.080.10 Željezni lijevovi

Europska normizacija CEN

EN 1562:2019
Founding – Malleable cast irons

77.120.10 Aluminij i aluminijeve legure

Europska normizacija CEN

EN 14726:2019
Aluminium and aluminium alloys – Determination of the chemical composition of aluminium and aluminium alloys by spark optical emission spectrometry

77.140.20 Nehrdajući čelici

Europska normizacija CEN

EN 10283:2019
Corrosion resistant steel castings

77.140.75 Čelične cijevi i čelične cijevi za posebnu namjenu

Europska normizacija CEN

EN ISO 10893-6:2019
Non-destructive testing of steel tubes – Part 6: Radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-6:2019)

EN ISO 10893-7:2019
Non-destructive testing of steel tubes – Part 7: Digital radiographic testing of the weld seam of welded steel tubes for the detection of imperfections (ISO 10893-7:2019)

77.140.80 Odljevci od željeznog lijeva i čelični odljevci

Europska normizacija CEN

EN 10283:2019
Corrosion resistant steel castings

EN ISO 13520:2019
Determination of ferrite content in austenitic stainless steel castings (ISO 13520:2015)

77.150.40 Proizvodi od nikla i kroma

Međunarodna normizacija ISO

ISO 12725:2019
Nickel and nickel alloy castings

ISO 23163:2019
Nickel and nickel alloys – Refined nickel – Sampling

77.160 Metalurgija praha

Međunarodna normizacija ISO

ISO 4491-4:2019
Metallic powders – Determination of oxygen content by reduction methods – Part 4: Total oxygen by reduction-extraction

81.040.20 Staklo u graditeljstvu

Europska normizacija CEN

EN 12898:2019
Glass in building – Determination of the emissivity

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

ISO 20501:2019
Fine ceramics (advanced ceramics, advanced technical ceramics) – Weibull statistics for strength data

83.040.10 Lateks i sirova guma

Međunarodna normizacija ISO

ISO 248-2:2019
Rubber, raw – Determination of volatile-matter content – Part 2: Thermogravimetric methods using an automatic analyser with an infrared drying unit

83.060 Guma

Međunarodna normizacija ISO

ISO 2303:2019
Isoprene rubber (IR) – Non-oil-extended, solution-polymerized types – Evaluation procedures

83.080.01 Plastika općenito

Europska normizacija CEN

EN 17228:2019
Plastics – Bio-based polymers, plastics, and plastics products – Terminology, characteristics and communication

EN ISO 846:2019
Plastics – Evaluation of the action of microorganisms (ISO 846:2019)

EN ISO 1183-1:2019
Plastics – Methods for determining the density of non-cellular plastics – Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1:2019)

EN ISO 1183-2:2019
Plastics – Methods for determining the density of non-cellular plastics – Part 2: Density gradient column method (ISO 1183-2:2019)

Međunarodna normizacija ISO

ISO 178:2019
Plastics – Determination of flexural properties

ISO 14851:2019
Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by measuring the oxygen demand in a closed respirometer

ISO/TR 20118:2019
Plastics – Guidance on fire characteristics and fire performance of PVC materials used in building applications

83.080.20 Plastomerni materijali

Europska normizacija CEN

EN ISO 19062-2:2019
Plastics – Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 19062-2:2019)

EN ISO 19065-2:2019
Plastics – Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 19065-2:2019)

EN ISO 20558-2:2019
Plastics – Poly(phenylene sulfide) (PPS) moulding and extrusion materials – Part 2: Preparation of test specimen and determination of properties (ISO 20558-2:2018)

EN ISO 21309-1:2019
Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21309-1:2019)

EN ISO 21309-2:2019
Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21309-2:2019)

Međunarodna normizacija ISO

ISO 21304-1:2019
Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 1: Designation system and basis for specifications

ISO 21306-1:2019
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 1: Designation system and basis for specifications

ISO 21306-2:2019
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties

83.180 Adhezivi

Europska normizacija CEN

EN 15416-3:2017+A1:2019
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear

85.060 Papir i karton

Međunarodna normizacija ISO

ISO 11093-9:2019
Paper and board – Testing of cores – Part 9: Determination of flat crush resistance

87.040 Boje i lakovi

Međunarodna normizacija ISO

ISO 2812-3:2019
Paints and varnishes – Determination of resistance to liquids – Part 3: Method using an absorbent medium

ISO 8130-1:2019
Coating powders – Part 1: Determination of particle size distribution by sieving

ISO 8130-7:2019
Coating powders – Part 7: Determination of loss of mass on stoving

ISO 8130-11:2019
Coating powders – Part 11: Inclined-plane flow test

ISO 8130-12:2019
Coating powders – Part 12: Determination of compatibility

ISO 8130-13:2019
Coating powders – Part 13: Particle size analysis by laser diffraction

ISO 8130-14:2019
Coating powders – Part 14: Vocabulary

87.060.10 Pigmenti i punila

Europska normizacija CEN

EN ISO 787-9:2019
General methods of test for pigments and extenders – Part 9: Determination of pH value of an aqueous suspension (ISO 787-9:2019)

EN ISO 787-14:2019
General methods of test for pigments and extenders – Part 14: Determination of resistivity of aqueous extract (ISO 787-14:2019)

EN ISO 787-25:2019
General methods of test for pigments and extenders – Part 25: Comparison of the colour, in full-shade systems, of white, black and coloured pigments – Colorimetric method (ISO 787-25:2019)

Međunarodna normizacija ISO

ISO 787-17:2019
General methods of test for pigments and extenders – Part 17: Comparison of lightening power of white pigments

91.040.10 Javne građevine

Međunarodna normizacija ISO

ISO 22259:2019
Conference systems – Equipment – Requirements

91.100.23 Keramičke pločice

Europska normizacija CEN

EN ISO 10545-4:2019
Ceramic tiles – Part 4: Determination of modulus of rupture and breaking strength (ISO 10545-4:2019)

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CENELEC

EN IEC 62056-8-4:2019
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-4: Communication profiles for narrow-band OFDM PLC PRIME neighbourhood networks (IEC 62056-8-4:2018)

91.140.60 Sustavi opskrbe vodom

Međunarodna normizacija ISO

ISO 11177:2019
Vitreous and porcelain enamels – Inside and outside enamelled valves and pressure pipe fittings for untreated and potable water supply – Quality requirements and testing

91.140.90 Dizala. Pokretne stube

Međunarodna normizacija ISO

ISO 8100-1:2019
Lifts for the transport of persons and goods – Part 1: Passenger and goods passenger lifts

ISO 8100-2:2019
Lifts for the transport of persons and goods – Part 2: Design rules, calculations, examinations and tests of lift components

93.080.20 Materijali za gradnju cesta

Europska normizacija CEN

EN 14187-5:2019
Cold applied joint sealants – Test methods – Part 5: Determination of the resistance to hydrolysis

EN 14187-7:2019
Cold applied joint sealants – Test methods – Part 7: Determination of the resistance to flame

EN 14187-9:2019
Cold applied joint sealants – Test methods – Part 9: Function testing of joint sealants

EN ISO 13473-1:2019
Characterization of pavement texture by use of surface profiles – Part 1: Determination of mean profile depth (ISO 13473-1:2019)

93.100 Gradnja željezničkih pruga

Europska normizacija CEN

EN 13674-4:2019
Railway applications – Track – Rail – Part 4: Vignole railway rails from 27 kg/m to, but excluding 46 kg/m

EN 13848-1:2019
Railway applications – Track – Track geometry quality – Part 1: Characterization of track geometry

EN 14811:2019
Railway applications – Track – Special purpose rail – Grooved rails and associated construction profiles

93.140 Gradnja plovnih kanala i luka nasipa

Europska normizacija CEN

EN 14504:2019
Inland navigation vessels – Floating landing stages and floating bridges on inland waters – Requirements, tests

97.030 Kućanski električni uređaji općenito

Međunarodna normizacija IEC

IEC 60335-2-17:2012/AMD2:2019
Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances; Amendment 2

IEC 60335-2-17 Edition 3.2:2019
Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances

97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

Europska normizacija CEN

EN 484:2019
Specification for dedicated liquefied petroleum gas appliances – Independent stoves, including those incorporating a grill for outdoor use

97.040.30 Kućanski rashladni uređaji

Međunarodna normizacija IEC

IEC 60704-2-14:2013/AMD1:2019
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers; Amendment 1

IEC 60704-2-14 Edition 2.1:2019
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers

97.040.50 Mali kuhinjski uređaji

Međunarodna normizacija IEC

IEC 60335-2-14:2016/AMD1:2019
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines; Amendment 1

IEC 60335-2-14 Edition 6.1:2019
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines

97.080 Uređaji za čišćenje podova

Međunarodna normizacija IEC

IEC 60335-2-54:2008/AMD2:2019
Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam; Amendment 2

IEC 60335-2-54 Edition 4.2:2019
Household and similar electrical appliances – Safety – Part 2-54: Particular requirements for surface-cleaning appliances for household use employing liquids or steam

97.120 Automatsko upravljanje za kućansku upotrebu

Međunarodna normizacija IEC

IEC 60730-2-14:2017/AMD1:2019
Automatic electrical controls – Part 2-14: Particular requirements for electric actuators; Amendment 1

IEC 60730-2-14 Edition 2.1:2019
Automatic electrical controls – Part 2-14: Particular requirements for electric actuators

97.150 Netekstilni podni prekrivači

Europska normizacija CEN

EN 17009:2019
Flooring of lignified materials other than wood – Characteristics, assessment and verification of constancy of performance and marking

97.170 Oprema za njegu tijela

Međunarodna normizacija IEC

IEC 60335-2-23:2016/AMD1:2019
Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care; Amendment 1

IEC 60335-2-23 Edition 6.1:2019
Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care

97.180 Razna kućanska i gospodarska oprema

Međunarodna normizacija ISO

ISO 20318-2:2019
Mechanical pencils and leads for general use – Classification, dimensions, quality and test methods – Part 2: Black leads

97.200.50 Igračke

Europska normizacija CEN

CEN/TR 15371-2:2019
Safety of toys – Interpretations – Part 2: Replies to requests for interpretation of the chemical standards in the EN 71-series

Međunarodna normizacija ISO

ISO 8124-4 AMD 2:2019
Safety of toys – Part 4: Swings, slides and similar activity toys for indoor and outdoor family domestic use; Amendment 2

97.220.01 Sportska oprema i objekti općenito

Međunarodna normizacija ISO

ISO 20739:2019
Martial arts – Wushu Taiji clothing – Requirements and test methods

97.220.20 Oprema za zimske sportove

Međunarodna normizacija ISO

ISO 9838:2019
Alpine and touring ski-bindings – Test soles for ski-binding tests

ISO 13993:2019
Rental ski shop practice – Sampling and inspection of complete and incomplete alpine ski-binding-boot systems in rental applications

97.220.30 Oprema za sportske dvorane

Međunarodna normizacija ISO

ISO 20957-9:2016/Amd 1:2019
Stationary training equipment – Part 9: Elliptical trainers, additional specific safety requirements and test methods; Amendment 1