

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

3/2014 lipanj, 2014.

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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4.1	Cjenik hrvatskih norma	
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# 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 5, *Metalne cijevi i priključci*

HRN EN 13555:2014 en pr  
Prirubnice i njihovi spojevi – Parametri brtvi i postupci ispitivanja relevantni za projektiranje prirubničkih spojeva s kružnim prirubnicama i brtvom (EN 13555:2014)  
Flanges and their joints – Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections (EN 13555:2014)

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

HRN EN ISO 12625-3:2014 en pr  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 3. dio: Određivanje debljine papira, debljine proizvoda od tankoga upijajućeg papira (tissue) i stvarne volumne gustoće (ISO 12625-3:2014; EN ISO 12625-3:2014)  
Tissue paper and tissue products – Part 3: Determination of thickness, bulking thickness and apparent bulk density and bulk (ISO 12625-3:2014; EN ISO 12625-3:2014)

HRN EN ISO 12625-7:2014 en pr  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 7. dio: Određivanje optičkih svojstava - Mjerenje svjetline i boje pri D65/10° (dnevnomu svjetlu) (ISO 12625-7:2014; EN ISO 12625-7:2014)  
Tissue paper and tissue products – Part 7: Determination of optical properties – Measurement of brightness and colour with D65/10° (outdoor daylight) (ISO 12625-7:2014; EN ISO 12625-7:2014)

HRN EN ISO 14453:2014 en pr  
Pulpe – Određivanje tvari topivih u acetonu (ISO 14453:2014; EN ISO 14453:2014)  
Pulps – Determination of acetone-soluble matter (ISO 14453:2014; EN ISO 14453:2014)

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

HRS CEN/TS 54-14:2014 en pr  
Sustavi za otkrivanje i dojavu požara – 14. dio: Smjernice za planiranje, projektiranje, ugradnju, preuzimanje, upotrebu i održavanje (CEN/TS 54-14:2004)  
Fire detection and fire alarm systems – Part 14: Guidelines for planning, design, installation, commissioning, use and maintenance (CEN/TS 54-14:2004)

HRN EN 1866-2:2014 en pr  
Mobilni vatrogasni aparati – 2. dio: Zahtjevi za konstrukciju, otpornost na tlak i mehanička ispitivanja za vatrogasne aparate s maksimalnim dozvoljenim tlakom jednakim ili nižim od 30 bara koji zadovoljavaju zahtjeve norme EN 1866-1 (EN 1866-2:2014)

Mobile fire extinguishers – Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1 (EN 1866-2:2014)

HRI CEN/TR 12101-4:2014 en pr  
Sustavi za upravljanje dimom i toplinom – 4. dio: Postavljeni SHEVS sustavi za odvođenje dima i topline (CEN/TR 12101-4:2009)  
Smoke and heat control systems – Part 4: Installed SHEVS systems for smoke and heat ventilation (CEN/TR 12101-4:2009)

HRI CEN/TR 15642:2014 en pr  
Jedinstveni ispitni postupci za ispitivanja prema normi EN 3-7:2004+A1:2007 (CEN/TR 15642:2011)  
Unified tests procedures for the tests of EN 3-7:2004+A1:2007 (CEN/TR 15642:2011)

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

HRN ISO 1726-1:2014 en pr  
Cestovna vozila – Mehanička veza između tegljača i poluprikolica – 1. dio: Zamjenjivost između tegljača i poluprikolica za opći teret (ISO 1726-1:2000+Cor 1:2007)  
Road vehicles – Mechanical coupling between tractors and semi-trailers – Part 1: Interchangeability between tractors and semi-trailers for general cargo (ISO 1726-1:2000+Cor 1:2007)

HRN ISO 1726-2:2014 en pr  
Cestovna vozila – Mehaničke veze između tegljača i poluprikolica – 2. dio: Zamjenjivost između tegljača s nisko ugrađenom spojnicom i poluprikolica velikoga volumena (ISO 1726-2:2007)  
Road vehicles – Mechanical couplings between tractors and semi-trailers – Part 2: Interchangeability between low-coupling tractors and high-volume semi-trailers (ISO 1726-2:2007)

HRN ISO 1726-3:2014 en pr  
Cestovna vozila – Mehaničke veze između tegljača i poluprikolica – 3. dio: Zahtjevi za površinu nalijeganja poluprikolice na sedlo (ISO 1726-3:2010)  
Road vehicles – Mechanical couplings between tractors and semi-trailers – Part 3: Requirements for semi-trailer contact area to fifth wheel (ISO 1726-3:2010)

HRN ISO 4106:2014 en pr  
Motocikli – Ispitivanje motora – Neto snaga (ISO 4106:2012)  
Motorcycles – Engine test code – Net power (ISO 4106:2012)

HRN ISO 4107:2014 en pr  
Gospodarska vozila – Dimenzije pričvršćenja kotača i glavine (ISO 4107:2010)  
Commercial vehicles – Wheel-hub attachment dimensions (ISO 4107:2010)

HRN ISO 4113:2014 en pr  
Cestovna vozila – Tekućine za umjeravanje uređaja za ubrizgavanje dizelskoga goriva (ISO 4113:2010)  
Road vehicles – Calibration fluids for diesel injection equipment (ISO 4113:2010)

- HRN ISO 4129:2014 en pr  
Cestovna vozila – Mopedi – Simboli za upravljanje, indikatore i pokazne svjetiljke (ISO 4129:2012)  
Road vehicles – Mopeds – Symbols for controls, indicators and tell-tales (ISO 4129:2012)
- HRN ISO 4138:2014 en pr  
Osobni automobili – Ponašanje pri ustaljenoj kružnoj vožnji – Metode ispitivanja otvorenom petljom (ISO 4138:2012)  
Passenger cars – Steady-state circular driving behaviour – Open-loop test methods (ISO 4138:2012)
- HRN ISO 4164:2014 en pr  
Mopedi – Ispitivanje motora – Neto snaga (ISO 4164:2012)  
Mopeds – Engine test code – Net power (ISO 4164:2012)
- HRN ISO 4209-2:2014 en pr  
Gume i naplatci za teretne automobile i autobuse (milimetarski nizovi) – 2. dio: Naplatci (ISO 4209-2:2012)  
Truck and bus tyres and rims (metric series) – Part 2: Rims (ISO 4209-2:2012)
- HRN ISO 4249-3:2014 en pr  
Gume i naplatci za motocikle (nizovi označeni kodnom oznakom) – 3. dio: Naplatci (ISO 4249-3:2010)  
Motorcycle tyres and rims (code-designated series) – Part 3: Rims (ISO 4249-3:2010)
- HRN ISO 4250-3:2014 en pr  
Gume i naplatci za strojeve za zemljane radove – 3. dio: Naplatci (ISO 4250-3:2011)  
Earth-mover tyres and rims – Part 3: Rims (ISO 4250-3:2011)
- HRN ISO 4251-1:2008/A1:2014 en pr  
Gume (nizovi s oznakom PR (“ply rating”)) i naplatci za poljoprivredne traktore i strojeve – 1. dio: Oznaka i dimenzije guma i odobreni profili naplataka – Amandman 1 (ISO 4251-1:2005/Amd 1:2012)  
Tyres (ply rating marked series) and rims for agricultural tractors and machines – Part 1: Tyre designation and dimensions, and approved rim contours – Amendment 1 (ISO 4251-1:2005/Amd 1:2012)
- HRN ISO 4251-2:2008/A1:2014 en pr  
Gume (nizovi s oznakom PR (“ply rating”)) i naplatci za poljoprivredne traktore i strojeve – 2. dio: Nazivne nosivosti guma – Amandman 1 (ISO 4251-2:2005/Amd 1:2011)  
Tyres (ply rating marked series) and rims for agricultural tractors and machines – Part 2: Tyre load ratings – Amendment 1 (ISO 4251-2:2005/Amd 1:2011)
- HRN ISO 4513:2014 en pr  
Cestovna vozila – Vidljivost – Metoda određivanja elipsa vidnoga polja prema položaju vozačevih očiju (ISO 4513:2010)  
Road vehicles – Visibility – Method for establishment of ellipses for driver’s eye location (ISO 4513:2010)
- HRN ISO 5751-1:2014 en pr  
Gume i naplatci za motocikle (milimetarski nizovi) – 1. dio: Upute za konstrukciju (ISO 5751-1:2010)  
Motorcycle tyres and rims (metric series) – Part 1: Design guides (ISO 5751-1:2010)
- HRN ISO 5751-2:2014 en pr  
Gume i naplatci za motocikle (milimetarski nizovi) – 2. dio: Dimenzije i nosivosti guma (ISO 5751-2:2010)  
Motorcycle tyres and rims (metric series) – Part 2: Tyre dimensions and load-carrying capacities (ISO 5751-2:2010)
- HRN ISO 5751-3:2014 en pr  
Gume i naplatci za motocikle (milimetarski nizovi) – 3. dio: Područje odobrenih profila naplataka (ISO 5751-3:2010)  
Motorcycle tyres and rims (metric series) – Part 3: Range of approved rim contours (ISO 5751-3:2010)
- HRN ISO 6469-3:2014 en pr  
Cestovna vozila na električni pogon – Sigurnosne specifikacije – 3. dio: Zaštita osoba od udara električne struje (ISO 6469-3:2011)  
Electrically propelled road vehicles – Safety specifications – Part 3: Protection of persons against electric shock (ISO 6469-3:2011)
- HRN ISO 7237:2004/A1:2014 en pr  
Prikolice za stanovanje (kamp-prikolice) – Mase i dimenzije – Rječnik – Amandman (ISO 7237:1993/Amd 1:2001)  
Caravans – Masses and dimensions – Vocabulary – Amendment (ISO 7237:1993/Amd 1:2001)
- HRN ISO 7401:2014 en pr  
Cestovna vozila – Metode ispitivanja bočnog prijelaznog odziva – Metode ispitivanja otvorenom petljom (ISO 7401:2011)  
Road vehicles – Lateral transient response test methods – Open-loop test methods (ISO 7401:2011)
- HRN ISO 7867-2:2008/A1:2014 en pr  
Gume i naplatci (milimetarski nizovi) za poljoprivredne traktore i strojeve – 2. dio: Uporabne značajke i nazivne nosivosti – Amandman (ISO 7867-2:2005/Amd 1:2010)  
Tyres and rims (metric series) for agricultural tractors and machines – Part 2: Service description and load ratings – Amendment (ISO 7867-2:2005/Amd 1:2010)
- HRI ISO/TR 8713:2014 en pr  
Cestovna vozila na električni pogon – Terminološki rječnik (ISO/TR 8713:2012)  
Electrically propelled road vehicles – Vocabulary (ISO/TR 8713:2012)
- HRN ISO 8854:2014 en pr  
Cestovna vozila – Alternatori s regulatorima – Metode ispitivanja i opći zahtjevi (ISO 8854:2012)  
Road vehicles – Alternators with regulators – Test methods and general requirements (ISO 8854:2012)
- HRN ISO 9413:2014 en pr  
Ventili za gume – Dimenzije i oznake (ISO 9413:2012+Amd 1:2012)  
Tyre valves – Dimensions and designation (ISO 9413:2012+Amd 1:2012)
- HRN EN ISO 18542-2:2014 en pr  
Cestovna vozila – Normirano nazivlje u informacijama za popravak i održavanje vozila (RMI) – 2. dio: Zahtjevi za provedbu normiranog procesa, tijelo za registraciju (ISO 18542-2:2014; EN ISO 18542-2:2014)  
Road vehicles – Standardized repair and maintenance information (RMI) terminology – Part 2: Standardized process implementation requirements, registration authority (ISO 18542-2:2014; EN ISO 18542-2:2014)
- HRN ISO 20176:2014 en pr  
Cestovna vozila – Stroj za određivanje točke H (HPM-II) – Specifikacije i postupak određivanja točke H (ISO 20176:2011)  
Road vehicles – H-point machine (HPM-II) – Specifications and procedure for H-point determination (ISO 20176:2011)

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

- HRN EN 1601:2014 en pr  
Tekući naftni proizvodi – Bezolovni motorni benzin – Određivanje količine organskih spojeva kisika i ukupnoga organski vezanoga kisika plinskom kromatografijom (O-FID) (EN 1601:2014)  
Liquid petroleum products – Unleaded petrol – Determination of organic oxygenate compounds and total organically bound oxygen content by gas chromatography (O-FID) (EN 1601:2014)
- HRN EN 14078:2014 en pr  
Tekući naftni proizvodi – Određivanje količine metilnih estera masnih kiselina (FAME) u srednjim destilatima – Metoda infracrvene spektrometrije (EN 14078:2014)  
Liquid petroleum products – Determination of fatty acid methyl ester (FAME) content in middle distillates – Infrared spectrometry method (EN 14078:2014)
- HRN EN 15751:2014 en pr  
Goriva za motorna vozila – Metilni esteri masne kiseline (FAME) kao gorivo i mješavine s dizelskim gorivom – Određivanje oksidacijske stabilnosti metodom ubrzane oksidacije (EN 15751:2014)  
Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method (EN 15751:2014)
- HRN EN 16476:2014 en pr  
Tekući naftni proizvodi – Određivanje sadržaja natrija, kalija, kalcija, fosfora, bakra i cinka u dizelskom gorivu – Metoda optičke emisijske spektralne analize s induktivno spregnutom plazmom (ICP OES) (EN 16476:2014)  
Liquid Petroleum products – Determination of Sodium, Potassium, Calcium, Phosphorus, Copper and Zinc contents in diesel fuel – Method via Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) (EN 16476:2014)

## HZN/TO 34/PO 3, *Poljoprivredni i prehrambeni proizvodi; Proizvodi od voća i povrća*

- HRN ISO 5519:2014 en pr  
Voće, povrće i proizvodi dobiveni njihovom preradbom – Određivanje količine sorbinske kiseline (ISO 5519:2008)  
Fruits, vegetables and derived products – Determination of sorbic acid content (ISO 5519:2008)
- HRN ISO 22855:2014 en pr  
Proizvodi od voća i povrća – Određivanje koncentracije benzojeve i sorbinske kiseline – Metoda tekućinske kromatografije visokog učinka (ISO 22855:2008)  
Fruit and vegetable products – Determination of benzoic acid and sorbic acid concentrations – High performance liquid chromatography method (ISO 22855:2008)

## HZN/TO 43, *Akustika*

- HRN EN ISO 16283-1:2014 en pr  
Akustika – Terensko mjerenje zvučne izolacije zgrada i građevnih dijelova zgrade – 1. dio: Zračna zvučna izolacija (ISO 16283-1:2014; EN ISO 16283-1:2014)  
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014; EN ISO 16283-1:2014)

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

- HRI CEN/TR 13259:2014 en pr  
Oprema za plinsko zavarivanje – Industrijski ručni i strojni plamenici za zagrijavanje plamenom, tvrdo lemljenje plamenom i srodne postupke (CEN/TR 13259:2013)  
Gas welding equipment – Industrial manual and machine blowpipes for flame heating, flame brazing and allied processes (CEN/TR 13259:2013)
- HRN EN ISO 14555:2014 en pr  
Zavarivanje – Elektrolučno zavarivanje svornjaka od metalnih materijala (ISO 14555:2014; EN ISO 14555:2014)  
Welding – Arc stud welding of metallic materials (ISO 14555:2014; EN ISO 14555:2014)
- HRI CEN ISO/TR 15608:2014 en pr  
Zavarivanje – Upute za sustav razvrstavanja metalnih materijala (ISO/TR 15608:2013; CEN ISO/TR 15608:2013)  
Welding – Guidelines for a metallic materials grouping system (ISO/TR 15608:2013; CEN ISO/TR 15608:2013)

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

- HRN ISO 690:2014 en pr  
Informacije i dokumentacija – Smjernice za bibliografske bilješke i navode u izvorima informacija (ISO 690:2010)  
Information and documentation – Guidelines for bibliographic references and citations to information resources (ISO 690:2010)
- HRN ISO 2789:2014 en pr  
Informacije i dokumentacija – Međunarodna knjižnična statistika (ISO 2789:2013)  
Information and documentation – International library statistics (ISO 2789:2013)
- HRN ISO 3166-2:2014 en pr  
Kodovi za označavanje imena država i njihovih pokrajina – 2. dio: Kodovi državnih pokrajina (ISO 3166-2:2013)  
Codes for the representation of names of countries and their subdivisions – Part 2: Country subdivision code (ISO 3166-2:2013)
- HRN ISO 3166-3:2014 en pr  
Kodovi za označavanje imena država i njihovih pokrajina – 3. dio: Kodovi bivših imena država (ISO 3166-3:2013)  
Codes for the representation of names of countries and their subdivisions – Part 3: Code for formerly used names of countries (ISO 3166-3:2013)
- HRN ISO 8459:2014 en pr  
Informacije i dokumentacija – Kazalo elemenata bibliografskih podataka za uporabu pri razmjene podataka i upita (ISO 8459:2009)  
Information and documentation – Bibliographic data element directory for use in data exchange and enquiry (ISO 8459:2009)
- HRI ISO/TR 14105:2014 en pr  
Digitalizacija – Ljudska i organizacijska pitanja u uspješnoj primjeni upravljanja digitalizacijom (ISO/TR 14105:2011)  
Document management – Change management for successful electronic document management system (EDMS) implementation (ISO/TR 14105:2011)
- HRN ISO 15511:2014 en pr  
Informacije i dokumentacija – Međunarodni standardni identifikator za knjižnice i srodne ustanove (ISIL) (ISO 15511:2011)



Information and documentation – International standard identifier for libraries and related organizations (ISIL) (ISO 15511:2011)

HRN ISO 15836:2014 en pr  
Informacije i dokumentacija – Dublinski osnovni skup metapodataka (ISO 15836:2009+Cor 1:2009)  
Information and documentation – The Dublin Core metadata element set (ISO 15836:2009+Cor 1:2009)

HRN ISO 25964-1:2014 en pr  
Informacije i dokumentacija – Tezaurusi i interoperabilnost s drugim terminološkim rječnicima – 1. dio Tezaurusi za pronalaženje informacija (ISO 25964-1:2011)  
Information and documentation – Thesauri and interoperability with other vocabularies – Part 1: Thesauri for information retrieval (ISO 25964-1:2011)

HRN ISO 25964-2:2014 en pr  
Informacije i dokumentacija – Tezaurusi i interoperabilnost s drugim terminološkim rječnicima – 2. dio Interoperabilnost s drugim terminološkim rječnicima (ISO 25964-2:2013)  
Information and documentation – Thesauri and interoperability with other vocabularies – Part 2: Interoperability with other vocabularies (ISO 25964-2:2013)

### HZN/TO 47, *Kemija*

HRI CEN/TR 16589:2014 en pr  
Laboratorijske instalacije – Uređaji za hvatanje sa zglobnom rukom (CEN/TR 16589:2013)  
Laboratory installations – Capture devices with articulated extract arm (CEN/TR 16589:2013)

### HZN/TO 54, *Eterična ulja*

HRN ISO 4716:2014 en pr  
Eterično ulje vetivera [Chrysopogon zizanioides (L.) Roberty, syn. Vetiveria zizanioides (L.) Nash] (ISO 4716:2013)  
Essential oil of vetiver [Chrysopogon zizanioides (L.) Roberty, syn. Vetiveria zizanioides (L.) Nash] (ISO 4716:2013)

HRN ISO 9841:2014 en pr  
Ulje miloduha (Hyssopus officinalis L. ssp. officinalis) (ISO 9841:2013)  
Essential oil of hyssop (Hyssopus officinalis L. ssp. officinalis) (ISO 9841:2013)

### HZN/TO 89, *Furniri i drvene ploče*

HRS CEN/TS 16368:2014 en pr  
Lake ploče iverice – Specifikacije (CEN/TS 16368:2014)  
Lightweight Particleboards – Specifications (CEN/TS 16368:2014)

### HZN/TO 116, *Uređaji i oprema za izmjenu topline*

HRN EN ISO 23553-1:2014 en pr  
Sigurnosni i upravljački uređaji za uljne plamenike i uređaje za izgaranje ulja – Posebni zahtjevi – 1. dio: Automatski i poluautomatski ventili (ISO 23553-1:2014; EN ISO 23553-1:2014)  
Safety and control devices for oil burners and oil burning appliances – Particular requirements – Part 1: Automatic and semi-automatic valves (ISO 23553-1:2014; EN ISO 23553-1:2014)

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

HRI CEN/TR 13801:2014 en pr  
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Plastomeri – Preporuke za ugradnju (CEN/TR 13801:2014)  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Thermoplastics – Recommended practice for installation (CEN/TR 13801:2014)

### HZN/TO 145, *Grafički simboli*

HRN ISO 3864-1:2014 en pr  
Grafički simboli – Boje i znakovi sigurnosti – 1. dio: Načela oblikovanja znakova sigurnosti i sigurnosnih oznaka (ISO 3864-1:2011)  
Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs and safety markings (ISO 3864-1:2011)

HRN EN ISO 7010:2013/A1:2014 en pr  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 1:2012; EN ISO 7010:2012/A1:2014)  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 1:2012; EN ISO 7010:2012/A1:2014)

HRN EN ISO 7010:2013/A2:2014 en pr  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 2:2012; EN ISO 7010:2012/A2:2014)  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 2:2012; EN ISO 7010:2012/A2:2014)

HRN EN ISO 7010:2013/A3:2014 en pr  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 3:2012; EN ISO 7010:2012/A3:2014)  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 3:2012; EN ISO 7010:2012/A3:2014)

HRN ISO 9186-1:2014 en pr  
Grafički simboli – Metode ispitivanja – 1. dio: Metode ispitivanja razumljivosti (ISO 9186-1:2014)  
Graphical symbols – Test methods – Part 1: Method for testing comprehensibility (ISO 9186-1:2014)

HRN ISO 20712-3:2014 en pr  
Znakovi za sigurnost na vodi i zastave za sigurnost na plaži – 3. dio: Upute za uporabu (ISO 20712-3:2014)  
Water safety signs and beach safety flags – Part 3: Guidance for use (ISO 20712-3:2014)

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

HRN EN ISO 12010:2014 en pr  
Kvaliteta vode – Određivanje kratkolančanih polikloriranih alkana (SCCPs) u vodi – Metoda plinske kromatografije-spektrometrije masa (GC-MS) i kemijske ionizacije negativno nabijenim ionima (NCI) (ISO 12010:2012; EN ISO 12010:2014)  
Water quality – Determination of short-chain polychlorinated alkanes (SCCPs) in water – Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI) (ISO 12010:2012; EN ISO 12010:2014)

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

HRN EN ISO 15758:2014 en pr  
Značajke instalacija u zgradama i industriji s obzirom na toplinu i vlagu – Proračun propusnosti vodene pare – Izolacijski sustavi za hladne cijevovode (ISO 15758:2014; EN ISO 15758:2014)  
Hygrothermal performance of building equipment and industrial installations – Calculation of water vapour diffusion – Cold pipe insulation systems (ISO 15758:2014; EN ISO 15758:2014)

## **HZN/TO 165, Drvene konstrukcije**

HRN EN 15497:2014 en pr  
Konstrukcijsko zupčasto spojeno cjelovito drvo – Zahtjevi za izvedbu i minimalni zahtjevi proizvodnje (EN 15497:2014)  
Structural finger jointed solid timber – Performance requirements and minimum production requirements (EN 15497:2014)

## **HZN/TO 176, Upravljanje kvalitetom i osiguravanje kvalitete**

HRN EN 1325:2014 en pr  
Upravljanje vrijednostima – Terminološki rječnik – Nazivlje i definicije (EN 1325:2014)  
Value Management – Vocabulary – Terms and definitions (EN 1325:2014)

HRN EN 15224:2014 en pr  
Usluge u zdravstvu – Sustavi upravljanja kvalitetom – Zahtjevi utemeljeni na EN ISO 9001:2008 (EN 15224:2012)  
Health care services – Quality management systems – Requirements based on EN ISO 9001:2008 (EN 15224:2012)

HRN EN 16271:2014 en pr  
Upravljanje vrijednostima – Funkcionalno iskazivanje potreba i funkcionalna specifikacija rezultata – Zahtjevi za iskazivanje i vrednovanje potreba u skladnosti s postupkom izrade ili dobave proizvoda (EN 16271:2012)  
Value management – Functional expression of the need and functional performance specification – Requirements for expressing and validating the need to be satisfied within the process of purchasing or obtaining a product (EN 16271:2012)

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

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

HRS CEN/TS 115-4:2014 en pr  
Sigurnost pokretnih stuba i pokretnih traka – 4. dio: Tumačenja koja se odnose na porodicu norma EN 115 (CEN/TS 115-4:2014)  
Safety of escalators and moving walks – Part 4: Interpretations related to EN 115 family of standards (CEN/TS 115-4:2014)

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

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

HRN EN 1400:2014 en pr  
Proizvodi za dojenčad i malu djecu – Dude varalice za dojenčad i malu djecu – Sigurnosni zahtjevi i metode ispitivanja (EN 1400:2013+A1:2014)  
Child use and care articles – Soothers for babies and young children – Safety requirements and test methods (EN 1400:2013+A1:2014)

HRN EN 16120:2014 en pr  
Proizvodi za dojenčad i malu djecu – Sjedalica koja se pričvršćuje za stolicu (EN 16120:2012+A1:2014)  
Child use and care articles – Chair mounted seat (EN 16120:2012+A1:2014)

## **HZN/TO 190, Kvaliteta tla**

HRN EN ISO 17184:2014 en pr  
Kvaliteta tla – Određivanje ugljika i dušika pomoću bliske infracrvene spektrometrije (NIRS) (ISO 17184:2014; EN ISO 17184:2014)  
Soil quality – Determination of carbon and nitrogen by near-infrared spectrometry (NIRS) (ISO 17184:2014; EN ISO 17184:2014)

HRN EN ISO 18772:2014 en pr  
Kvaliteta tla – Upute za postupke ispiranja za naknadna kemijska i ekotoksikološka ispitivanja tla i tvari u tlu (ISO 18772:2008; EN ISO 18772:2014)  
Soil quality – Guidance on leaching procedures for subsequent chemical and ecotoxicological testing of soils and soil materials (ISO 18772:2008; EN ISO 18772:2014)

HRN EN ISO 23611-6:2014 en pr  
Kvaliteta tla – Uzorkovanje beskralježnjaka u tlu – 6. dio: Upute za pripremu programa uzorkovanja beskralježnjaka u tlu (ISO 23611-6:2012; EN ISO 23611-6:2013)  
Soil quality – Sampling of soil invertebrates – Part 6: Guidance for the design of sampling programmes with soil invertebrates (ISO 23611-6:2012; EN ISO 23611-6:2013)

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

HRN EN ISO 19117:2014 en pr  
Geoinformacije – Prikaz (ISO 19117:2012; EN ISO 19117:2014)  
Geographic information – Portrayal (ISO 19117:2012; EN ISO 19117:2014)

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

HRN EN ISO 11073-10102:2014 en pr  
Medicinska informatika – Povezivost medicinskog uređaja u trenutku liječenja – 10102. dio: Nomenklatura: Očitavanje EKG-a (ISO/IEEE 11073-10102:2014; EN ISO 11073-10102:2014)  
Health informatics – Point-of-care medical device communication – Part 10102: Nomenclature: Annotated ECG (ISO/IEEE 11073-10102:2014; EN ISO 11073-10102:2014)

HRN EN ISO 11073-10417:2014 en pr  
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – 10417. dio: Specijalni uređaji – Mjerač glukoze (ISO/IEEE 11073-10417:2014, Ispravljena verzija 2014-05-01; EN ISO 11073-10417:2014)  
Health informatics – Personal health device communication – Part 10417: Device specialization – Glucose meter (ISO/IEEE 11073-10417:2014, Corrected version 2014-05-01; EN ISO 11073-10417:2014)

HRN EN ISO 11073-10418:2014 en pr  
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – 10418. dio: Specijalni uređaji – Uređaj za određivanje protrombinskog vremena (PV-a) (ISO/IEEE 11073-10418:2014, Ispravljena verzija 2014-05-01; EN ISO 11073-10418:2014)  
Health informatics – Personal health device communication – Part 10418: Device specialization – International Normalized Ratio (INR) monitor (ISO/IEEE 11073-10418:2014, Corrected version 2014-05-01; EN ISO 11073-10418:2014)

HRS CEN ISO/TS 14265:2014 en pr  
Medicinska informatika – Klasifikacija u svrhu obrade osnovnih zdravstvenih informacija (ISO/TS 14265:2011; CEN ISO/TS 14265:2013)  
Health Informatics – Classification of purposes for processing personal health information (ISO/TS 14265:2011; CEN ISO/TS 14265:2013)

HRI CEN/TR 15872:2014 en pr  
Medicinska informatika – Smjernice za identificiranje pacijenta i unakrsno povezivanje identiteta (CEN/TR 15872:2014)  
Health informatics – Guidance on patient identification and cross-referencing of identities (CEN/TR 15872:2014)

### **HZN/TO 238, Čvrsta biogoriva**

HRN EN ISO 17225-1:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 1. dio: Opći zahtjevi (ISO 17225-1:2014; EN ISO 17225-1:2014)  
Solid biofuels – Fuel specifications and classes – Part 1: General requirements (ISO 17225-1:2014; EN ISO 17225-1:2014)

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

HRN EN ISO 17225-3:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 3. dio: Klasifikacija drvnih briketa (ISO 17225-3:2014; EN ISO 17225-3:2014)  
Solid biofuels – Fuel specifications and classes – Part 3: Graded wood briquettes (ISO 17225-3:2014; EN ISO 17225-3:2014)

HRN EN ISO 17225-4:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 4. dio: Klasifikacija drvene sječke (ISO 17225-4:2014; EN ISO 17225-4:2014)  
Solid biofuels – Fuel specifications and classes – Part 4: Graded wood chips (ISO 17225-4:2014; EN ISO 17225-4:2014)

HRN EN ISO 17225-5:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 5. dio: Klasifikacija ogrjevnog drveta (ISO 17225-5:2014; EN ISO 17225-5:2014)  
Solid biofuels – Fuel specifications and classes – Part 5: Graded firewood (ISO 17225-5:2014; EN ISO 17225-5:2014)

HRN EN ISO 17225-6:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 6. dio: Klasifikacija nedravnih peleta (ISO 17225-6:2014; EN ISO 17225-6:2014)  
Solid biofuels – Fuel specifications and classes – Part 6: Graded non-woody pellets (ISO 17225-6:2014; EN ISO 17225-6:2014)

HRN EN ISO 17225-7:2014 en pr  
Čvrsta biogoriva – Specifikacije goriva i razredi – 7. dio: Klasifikacija nedravnih briketa (ISO 17225-7:2014; EN ISO 17225-7:2014)  
Solid biofuels – Fuel specifications and classes – Part 7: Graded non-woody briquettes (ISO 17225-7:2014; EN ISO 17225-7:2014)

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

HRI CEN/TR 10261:2014 en pr  
Željezni ljev i čelik – Europske norme za određivanje kemijskog sastava (CEN/TR 10261:2013)  
Iron and steel – European standards for the determination of chemical composition (CEN/TR 10261:2013)

HRI CEN/TR 10317:2014 en pr  
Europski potvrđeni referentni materijali (EURONORM-CRMs) za određivanje kemijskog sastava proizvoda iz željeznog ljeva i čelika pod pokroviteljstvom europskog odbora za normizaciju željeznog ljeva i čelika (ECISS) (CEN/TR 10317:2013)  
European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products prepared under the auspices of the European Committee for Iron and Steel Standardization (ECISS) (CEN/TR 10317:2013)

HRI CEN/TR 10350:2014 en pr  
Analiza čelika i željeznih ljevova – Interni laboratorijski postupak za provjeru točnosti analitičke metode pomoću potvrđenih referentnih materijala (CEN/TR 10350:2013)  
Analysis of steels and irons – Internal laboratory procedure for checking the accuracy of an analytical method by using Certified Reference Materials (CEN/TR 10350:2013)

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

HRN EN 12732:2014 en pr  
Plinska infrastruktura – Zavarivanje čeličnih cijevi – Funkcionalni zahtjevi (EN 12732:2013+A1:2014)  
Gas infrastructure – Welding steel pipework – Functional requirements (EN 12732:2013+A1:2014)

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

HRN EN ISO 11960:2014 en pr  
Industrija nafte i prirodnoga plina – Čelične cijevi za upotrebu u bušotinama u svrhu zaštitnih (casing) ili uzlaznih (tubing) cijevi (ISO 11960:2014; EN ISO 11960:2014)  
Petroleum and natural gas industries – Steel pipes for use as casing or tubing for wells (ISO 11960:2014; EN ISO 11960:2014)

HRN EN ISO 13354:2014 en pr  
Industrija nafte i prirodnoga plina – Oprema za bušenje i proizvodnju – Diverter za plin u plitkim ležištima (ISO 13354:2014; EN ISO 13354:2014)  
Petroleum and natural gas industries – Drilling and production equipment – Shallow gas diverter equipment (ISO 13354:2014; EN ISO 13354:2014)

HRN EN ISO 15112:2014 en pr  
Prirodni plin – Određivanje ogrjevne vrijednosti (ISO 15112:2011; EN ISO 15112:2014)  
Natural gas – Energy determination (ISO 15112:2011; EN ISO 15112:2014)



- HRN EN ISO 15970:2014 en pr  
Prirodni plin – Mjerenje svojstava – Volumetrijska svojstva: gustoća, tlak, temperatura i faktor stlačivosti (Z-faktor) (ISO 15970:2008; EN ISO 15970:2014)  
Natural gas – Measurement of properties – Volumetric properties: density, pressure, temperature and compression factor (ISO 15970:2008; EN ISO 15970:2014)
- HRN EN ISO 15971:2014 en pr  
Prirodni plin – Mjerenje svojstava – Ogrjevna vrijednost i Wobbeov broj (ISO 15971:2008; EN ISO 15971:2014)  
Natural gas – Measurement of properties – Calorific value and Wobbe index (ISO 15971:2008; EN ISO 15971:2014)
- HRN EN ISO 27627:2014 en pr  
Industrija nafte i prirodnoga plina – Cijev za bušenje od aluminijeve legure s navojnim kalibrom (ISO 27627:2014; EN ISO 27627:2014)  
Petroleum and natural gas industries – Aluminium alloy drill pipe thread connection gauging (ISO 27627:2014; EN ISO 27627:2014)

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

- HRN ISO 3394:2014 en pr  
Ambalaža – Cjelovite, ispunjene transportne pakovine i jedinični tereti – Dimenzije krute pravokutne ambalaže (ISO 3394:2012)  
Packaging – Complete, filled transport packages and unit loads – Dimensions of rigid rectangular packages (ISO 3394:2012)
- HRN ISO 3676:2014 en pr  
Ambalaža – Cjelovite, ispunjene transportne pakovine i jedinični tereti – Veličine jediničnih tereta (ISO 3676:2012)  
Packaging – Complete, filled transport packages and unit loads – Unit load dimensions (ISO 3676:2012)
- HRN ISO 12776:2014 en pr  
Paleta – Klizni listovi (ISO 12776:2008)  
Pallets – Slip sheets (ISO 12776:2008)
- HRN ISO 15394:2014 en pr  
Ambalaža – Bar kod i dvodimenzijski simboli etiketa za otpremu, prijevoz i primitak (ISO 15394:2009)  
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels (ISO 15394:2009)
- HRN EN 16287-1:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 1. dio: Povratno staklo MCA 1 grlo (EN 16287-1:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 1: Returnable glass MCA 1 finish (EN 16287-1:2014)
- HRN EN 16287-2:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 2. dio: Nepovratno staklo MCA 1 grlo (EN 16287-2:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 2: One way glass MCA 1 finish (EN 16287-2:2014)
- HRN EN 16288-1:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 1. dio: Povratno staklo MCA 3 grlo (EN 16288-1:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 1: Returnable glass MCA 3 finish (EN 16288-1:2014)

- HRN EN 16288-2:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 2. dio: Nepovratno staklo MCA 3 grlo (EN 16288-2:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 2: One way glass MCA 3 finish (EN 16288-2:2014)
- HRN EN 16290-1:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 1. dio: Povratno staklo MCA 7,5 R grlo (EN 16290-1:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 1: Returnable glass MCA 7,5 R finish (EN 16290-1:2014)
- HRN EN 16290-2:2014 en pr  
Staklena ambalaža – Navojna grla za zatvarače pod tlakom – 2. dio: Nepovratno staklo MCA 7,5 R grlo (EN 16290-2:2014)  
Glass packaging – Screw finishes for pressure capsules – Part 2: One way glass MCA 7,5 R finish (EN 16290-2:2014)
- HRN ISO 18334:2014 en pr  
Paleta za rukovanje materijalom – Kvaliteta sastavljanja novih drvenih paleta (ISO 18334:2010)  
Pallets for materials handling – Quality of assembly of new wooden pallets (ISO 18334:2010)
- HRN ISO 22742:2014 en pr  
Ambalaža – Linearni bar kod i dvodimenzionalni simboli za ambalažni proizvod (ISO 22742:2010)  
Packaging – Linear bar code and two-dimensional symbols for product packaging (ISO 22742:2010)

### **HZN/TO 509, Cestovna oprema**

- HRN EN 13197:2014 en pr  
Materijali za oznake na kolniku – Rotacijski simulator trošenja (EN 13197:2011+A1:2014)  
Road marking materials – Wear simulator Turntable (EN 13197:2011+A1:2014)

### **HZN/TO 522, Karakterizacija i zbrinjavanje otpada**

- HRS CEN/TS 14405:2014 en pr  
Karakterizacija otpada – Ispitivanja ponašanja izluživanja – Ispitivanje up-flow cijedenja (pod određenim uvjetima) (CEN/TS 14405:2004)  
Characterization of waste – Leaching behaviour tests – Up-flow percolation test (under specified conditions) (CEN/TS 14405:2004)
- HRI CEN/TR 15522-2:2014 en pr  
Identifikacija izlivanja nafte – Izlivanje nafte i naftnih proizvoda u vodu – 2. dio: Analitička metodologija i tumačenje rezultata na temelju GC-FID i GC-MS analize niske rezolucije (CEN/TR 15522-2:2012)  
Oil spill identification – Waterborne petroleum and petroleum products – Part 2: Analytical methodology and interpretation of results based on GC-FID and GC-MS low resolution analyses (CEN/TR 15522-2:2012)
- HRI CEN/TR 15809:2014 en pr  
Karakterizacija muljeva – Higijenski aspekti – Obrada (CEN/TR 15809:2008)  
Characterization of sludges – Hygienic aspects – Treatments (CEN/TR 15809:2008)
- HRI CEN/TR 16110:2014 en pr  
Karakterizacija otpada – Upute za uporabu testova ekotoksičnosti koji se primjenjuju na otpad (CEN/TR 16110:2010)  
Characterization of waste – Guidance on the use of ecotoxicity tests applied to waste (CEN/TR 16110:2010)

- HRI CEN/TR 16184:2014 en pr  
Karakterizacija otpada – Pregled stanja tehnike –  
Analiza eluata (CEN/TR 16184:2011)  
Characterization of waste – State-of-the-art  
document – Analysis of eluates  
(CEN/TR 16184:2011)
- HRI CEN/TR 16596:2014 en pr  
Električno-elektroničko sučelje između kabine  
podvozja i karoserije vozila za skupljanje otpada  
(RCVs) (CEN/TR 16596:2013)  
Electric-electronic interface between chassis-cab  
and bodywork of refuse collection vehicles (RCVs)  
(CEN/TR 16596:2013)

## **HZN/TO 524, Cestovni prijevoz i prometna telematika**

- HRS CEN/TS 16157-4:2014 en pr  
Inteligentni transportni sustavi – DATEX II  
specifikacija za razmjenu podataka za upravljanje  
prometom i informiranje – 4. dio: Objave za znakove  
promjenljive obavijesti (VMS)  
(CEN/TS 16157-4:2014)  
Intelligent transport systems – DATEX II data  
exchange specifications for traffic management and  
information – Part 4: Variable Message Sign (VMS)  
Publications (CEN/TS 16157-4:2014)
- HRS CEN/TS 16157-5:2014 en pr  
Inteligentni transportni sustavi – DATEX II  
specifikacija za razmjenu podataka za upravljanje  
prometom i informiranje – 5. dio: Objave za  
izmjerene i obrađene podatke  
(CEN/TS 16157-5:2014)  
Intelligent transport systems – DATEX II data  
exchange specifications for traffic management and  
information – Part 5: Measured and elaborated data  
publications (CEN/TS 16157-5:2014)
- HRS CEN/TS 16614-1:2014 en pr  
Javni prijevoz – Razmjena podataka o mreži i  
redovima vožnje (NeTEx) – 1. dio: Format za  
razmjenu podataka o topologiji mreže javnog  
prijevoza (CEN/TS 16614-1:2014)  
Public transport – Network and Timetable Exchange  
(NeTEx) – Part 1: Public transport network topology  
exchange format (CEN/TS 16614-1:2014)
- HRS CEN/TS 16614-2:2014 en pr  
Javni prijevoz – Razmjena podataka o mreži i  
redovima vožnje (NeTEx) – 2. dio: Format za  
razmjenu podataka o redovima vožnje javnog  
prijevoza (CEN/TS 16614-2:2014)  
Public transport – Network and Timetable Exchange  
(NeTEx) – Part 2: Public transport scheduled  
timetables exchange format (CEN/TS 16614-2:2014)
- HRS CEN ISO/TS 17419:2014 en pr  
Inteligentni transportni sustavi – Kooperativni  
sustavi – Razredba i upravljanje ITS aplikacijama u  
globalnom kontekstu (ISO/TS 17419:2014;  
CEN ISO/TS 17419:2014)  
Intelligent transport systems – Cooperative systems  
– Classification and management of ITS applications  
in a global context (ISO/TS 17419:2014;  
CEN ISO/TS 17419:2014)
- HRS CEN ISO/TS 17423:2014 en pr  
Inteligentni transportni sustavi – Kooperativni sustavi  
– Zahtjevi i ciljevi za odabir komunikacijskih profila  
za ITS aplikacije (ISO/TS 17423:2014;  
CEN ISO/TS 17423:2014)  
Intelligent transport systems – Cooperative systems  
– ITS application requirements and objectives for  
selection of communication profiles  
(ISO/TS 17423:2014; CEN ISO/TS 17423:2014)

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

- HRN EN 1873:2014 en pr  
Montažni pribor za pokrivanje krovova – Zasebni  
plastični krovni svjetlarnici – Specifikacije proizvoda i  
metode ispitivanja (EN 1873:2014)  
Prefabricated accessories for roofing – Individual  
rooflights of plastics – Product specification and test  
methods (EN 1873:2014)
- HRN EN 13859-1:2014 en pr  
Savijljive hidroizolacijske trake – Definicije i  
značajke podložnih traka – 1. dio: Podložne trake za  
prijevratno pokrivanje krovova (EN 13859-1:2014)  
Flexible sheets for waterproofing – Definitions and  
characteristics of underlays – Part 1: Underlays for  
discontinuous roofing (EN 13859-1:2014)
- HRN EN 13859-2:2014 en pr  
Savijljive hidroizolacijske trake – Definicije i značajke  
podložnih traka – 2. dio: Podložne trake za zidove  
(EN 13859-2:2014)  
Flexible sheets for waterproofing – Definitions and  
characteristics of underlays – Part 2: Underlays for  
walls (EN 13859-2:2014)

## **HZN/TO 526, Bitumenska veziva**

- HRS CEN/TS 15963:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
temperature lomne žilavosti ispitivanjem savijanja u  
tri točke na zarezanom uzorku  
(CEN/TS 15963:2014)  
Bitumen and bituminous binders – Determination of  
the fracture toughness temperature by a three point  
bending test on a notched specimen  
(CEN/TS 15963:2014)

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

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

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

- HRN EN ISO 8331:2014 en pr  
Gumena i plastična crijeva i crijevni sklopovi  
– Smjernice za odabir, skladištenje, uporabu i  
održavanje (ISO 8331:2014; EN ISO 8331:2014)  
Rubber and plastics hoses and hose assemblies  
– Guidelines for selection, storage, use and  
maintenance (ISO 8331:2014; EN ISO 8331:2014)
- HRN EN ISO 11357-2:2014 en pr  
Plastika – Diferencijalna pretražna kalorimetrija –  
2. dio: Određivanje staklišta i visine koraka staklišta  
(ISO 11357-2:2013; EN ISO 11357-2:2014)  
Plastics – Differential scanning calorimetry (DSC) –  
Part 2: Determination of glass transition temperature  
and glass transition step height (ISO 11357-2:2013;  
EN ISO 11357-2:2014)
- HRN EN ISO 11357-5:2014 en pr  
Plastika – Diferencijalna pretražna kalorimetrija  
– 5. dio: Određivanje temperature i vremenske  
reakcijske krivulje, topline reakcije i stupnja  
konverzije (ISO 11357-5:2013;  
EN ISO 11357-5:2014)  
Plastics – Differential scanning calorimetry (DSC) –  
Part 5: Determination of characteristic reaction-curve  
temperatures and times, enthalpy of reaction and  
degree of conversion (ISO 11357-5:2013;  
EN ISO 11357-5:2014)

- HRN EN 16472:2014 en pr  
Plastika – Metoda za ubrzano svjetlosno starenje uporabom srednjotlačnih živinih lampi (EN 16472:2014)  
Plastics – Method for artificial accelerated photoageing using medium pressure mercury vapour lamps (EN 16472:2014)
- HRN EN ISO 20753:2014 en pr  
Plastika – Ispitni uzorci (ISO 20753:2008; EN ISO 20753:2014)  
Plastics – Test specimens (ISO 20753:2008; EN ISO 20753:2014)

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

- HRS CEN/TS 16134:2014 en pr  
Završeci dimnjaka – Opći zahtjevi i metode ispitivanja neovisno o materijalu (CEN/TS 16134:2011)  
Chimney terminals – General requirements and material independent test methods (CEN/TS 16134:2011)

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

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

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

- HRN EN 14025:2014 en pr  
Spremnici za prijevoz opasnih tvari – Metalni tlačni spremnici – Projektiranje i konstrukcija (EN 14025:2013)  
Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and construction (EN 14025:2013)
- HRI CEN/TR 15120:2014 en pr  
Spremnici za transport opasnih tvari – Upute i preporuke za utovar, prijevoz i istovar (CEN/TR 15120:2013)  
Tanks for transport of dangerous goods – Guidance and recommendations for loading, transport and unloading (CEN/TR 15120:2013)

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

- HRN EN ISO 13102:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Oprema za mjerenje dimenzija: Elektroničko mjerilo s digitalnim pokazivanjem – Konstrukcija i mjeriteljske karakteristike (ISO 13102:2012; EN ISO 13102:2012)  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Electronic digital-indicator gauge – Design and metrological characteristics (ISO 13102:2012; EN ISO 13102:2012)
- HRN EN ISO 15530-3:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Trokoordinatni mjerni uređaji (TMU): Tehnike utvrđivanja mjerne nesigurnosti – 3. dio: Uporaba umjerenih izradaka ili etalona duljine (ISO 15530-3:2011; EN ISO 15530-3:2011)

Geometrical product specifications (GPS) – Coordinate measuring machines (CMM): Technique for determining the uncertainty of measurement – Part 3: Use of calibrated workpieces or measurement standards (ISO 15530-3:2011; EN ISO 15530-3:2011)

- HRN EN ISO 17450-1:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Opći koncepti – 1. dio: Model za geometrijsku specifikaciju i provjeru (ISO 17450-1:2011; EN ISO 17450-1:2011)  
Geometrical product specifications (GPS) – General concepts – Part 1: Model for geometrical specification and verification (ISO 17450-1:2011; EN ISO 17450-1:2011)
- HRN EN ISO 17450-2:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Opći koncepti – 2. dio: Temeljna pravila, specifikacije, operatori, nesigurnosti i neodređenosti (ISO 17450-2:2012; EN ISO 17450-2:2012)  
Geometrical product specifications (GPS) – General concepts – Part 2: Basic tenets, specifications, operators, uncertainties and ambiguities (ISO 17450-2:2012; EN ISO 17450-2:2012)
- HRN EN ISO 22432:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Značajke korištene u specificiranju i provjeri (ISO 22432:2011; EN ISO 22432:2011)  
Geometrical product specifications (GPS) – Features utilized in specification and verification (ISO 22432:2011; EN ISO 22432:2011)
- HRN EN ISO 25178-2:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 2. dio: Pojmovi, definicije i parametri teksture površine (ISO 25178-2:2012; EN ISO 25178-2:2012)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 2: Terms, definitions and surface texture parameters (ISO 25178-2:2012; EN ISO 25178-2:2012)
- HRN EN ISO 25178-71:2014 en pr  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 71. dio: Mjerne norme za programsku opremu (ISO 25178-71:2012; EN ISO 25178-71:2012)  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 71: Software measurement standards (ISO 25178-71:2012; EN ISO 25178-71:2012)

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

- HRN EN 16437:2014 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterini u području poroznih površina bez mehaničkog djelovanja – Metoda ispitivanja i zahtjevi (faza 2, korak 2) (EN 16437:2014)  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action – Test method and requirements (phase 2, step2) (EN 16437:2014)
- HRN EN 16438:2014 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti protiv kvasaca kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterini u području neporoznih površina bez mehaničkog djelovanja – Ispitna metoda i zahtjevi (faza 2, korak 2) (EN 16438:2014)

Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action – Test method and requirements (phase 2, step 2) (EN 16438:2014)

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

HRN EN ISO 21670:2014 en pr  
Spojni elementi – Šesterokutne matice s prirubnicom za zavarivanje (ISO 21670:2014; EN ISO 21670:2014)  
Fasteners – Hexagon weld nuts with flange (ISO 21670:2014; EN ISO 21670:2014)

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

HRN EN 1993-2:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi (EN 1993-2:2006+AC:2009)  
Eurocode 3: Design of steel structures – Part 2: Steel Bridges (EN 1993-2:2006+AC:2009)

HRN EN 1993-2:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 2: Steel bridges – National Annex

HRN EN 1993-4-1:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi (EN 1993-4-1:2007+AC:2009)  
Eurocode 3: Design of steel structures – Part 4-1: Silos (EN 1993-4-1:2007+AC:2009)

HRN EN 1993-4-1:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-1: Silos – National Annex

HRN EN 1993-4-2:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici (EN 1993-4-2:2007+AC:2009)  
Eurocode 3: Design of steel structures – Part 4-2: Tanks (EN 1993-4-2:2007+AC:2009)

HRN EN 1993-4-2:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-2: Tanks – National Annex

HRN EN 1993-4-3:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi (EN 1993-4-3:2007+AC:2009)  
Eurocode 3: Design of steel structures – Part 4-3: Pipelines (EN 1993-4-3:2007+AC:2009)

HRN EN 1993-4-3:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-3: Pipelines – National Annex

HRN EN 1993-5:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – 5. dio: Piloti i žmurje (EN 1993-5:2007+AC:2009)  
Eurocode 3: Design of steel structures – Part 5: Piling (EN 1993-5:2007+AC:2009)

HRN EN 1993-5:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – 5. dio: Piloti i žmurje – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 5: Piling – National Annex

HRN EN 1993-6:2014 hr pp  
Eurokod 3: Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza (EN 1993-6:2007+AC:2009)

Eurocode 3: Design of steel structures – Part 6: Crane supporting structures (EN 1993-6:2007+AC:2009)

HRN EN 1993-6:2014/NA:2014 hr izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 6: Crane supporting structures – National Annex

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

HRN EN 15362:2014 en pr  
Kemikalije koje se upotrebljavaju u obradi bazenske vode – Natrijev karbonat (EN 15362:2014)  
Chemicals used for treatment of swimming pool water – Sodium carbonate (EN 15362:2014)

HRN EN 15363:2014 en pr  
Kemikalije koje se upotrebljavaju u obradi bazenske vode – Klor (EN 15363:2014)  
Chemicals used for treatment of swimming pool water – Chlorine (EN 15363:2014)

HRN EN 15514:2014 en pr  
Kemikalije koje se upotrebljavaju u obradi bazenske vode – Kloridna kiselina (EN 15514:2014)  
Chemicals used for treatment of swimming pool water – Hydrochloric acid (EN 15514:2014)

### **HZN/TO 553, *Predgotovljeni proizvodi***

HRN EN 31:2014 en pr  
Umivaonici – Priključne dimenzije (EN 31:2011+A1:2014)  
Wash basins – Connecting dimensions (EN 31:2011+A1:2014)

HRN EN 35:2014 en pr  
Stojeći i viseći (zidni) bidei s dotokom vode iznad ruba – Priključne dimenzije (EN 35:2014)  
Pedestal and wall-hung bidets with over-rim supply – Connecting dimensions (EN 35:2014)

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

HRN EN 1124-2:2014 en pr  
Cijevi i spojni dijelovi od uzdužno zavarenih cijevi od nehrđajućeg čelika s ravnim krajevima i naglavkom za sustave otpadnih voda – 2. dio: Sustav S, oblici i dimenzije (EN 1124-2:2014)  
Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 2: System S, forms and dimensions (EN 1124-2:2014)

HRN EN 14654-1:2014 en pr  
Upravljanje i kontrola radnih aktivnosti u sustavima ispusta i odvodnim kanalima izvan zgrada – 1. dio: Čišćenje (EN 14654-1:2014)  
Management and control of operational activities in drain and sewer systems outside buildings – Part 1: Cleaning (EN 14654-1:2014)

HRN EN 16323:2014 en pr  
Glosar naziva iz inženjerstva otpadnih voda (EN 16323:2014)  
Glossary of wastewater engineering terms (EN 16323:2014)

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

HRN BS OHSAS 18001:2014 en pr  
Sustavi upravljanja zdravljem i sigurnošću na radu – Zahtjevi (BS OHSAS 18001:2007)  
Occupational health and safety management systems – Requirements (BS OHSAS 18001:2007)



### **HZN/TO 557, *Zaštitna odjeća***

- HRN EN 1621-2:2014 en pr  
Motociklistička odjeća za zaštitu od mehaničkog udara – 2. dio: Motociklistički štitioci za leđa – Zahtjevi i ispitne metode (EN 1621-2:2014)  
Motorcyclists' protective clothing against mechanical impact – Part 2: Motorcyclists' back protectors – Requirements and test methods (EN 1621-2:2014)

### **HZN/TO 558, *Zaštita dišnih putova***

- HRN EN 250:2014 en pr  
Oprema za disanje – Samostalni ronilački uređaji za disanje s otvorenim krugom sa stlačenim zrakom – Zahtjevi, ispitivanje i označavanje (EN 250:2014)  
Respiratory equipment – Open-circuit self-contained compressed air diving apparatus – Requirements, testing and marking (EN 250:2014)
- HRN EN 12021:2014 en pr  
Oprema za disanje – Stlačeni plinovi za uređaje za disanje (EN 12021:2014)  
Respiratory equipment – Compressed gases for breathing apparatus (EN 12021:2014)

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

- HRN EN ISO 13935-1:2014 en pr  
Tekstil – Vlačna svojstva šava na plošnom tekstu i gotovim tekstilnim proizvodima – 1. dio: Određivanje maksimalne sile pucanja šava metodom trake (ISO 13935-1:2014; EN ISO 13935-1:2014)  
Textiles – Seam tensile properties of fabrics and made-up textile articles – Part 1: Determination of maximum force to seam rupture using the strip method (ISO 13935-1:2014; EN ISO 13935-1:2014)
- HRN EN 15619:2014 en pr  
Tkanine naslojene gumom ili plastičnim masama – Sigurnost privremenih građevina (šatori) – Specifikacije za naslojene tkanine namijenjene za šatore i slične građevine (EN 15619:2014)  
Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures (EN 15619:2014)

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

- HRN EN 14893:2014 en pr  
Oprema i pribor za UNP – Prenosivi, zavareni, čelični, tlačni spremnici za ukapljeni naftni plin (UNP) volumena od 150 litara do 1 000 litara (EN 14893:2014)  
LPG equipment and accessories – Transportable Liquefied Petroleum Gas (LPG) welded steel pressure drums with a capacity between 150 litres and 1 000 litres (EN 14893:2014)

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

- HRN EN 847-1:2014 en pr  
Alati za obradu drva – Sigurnosni zahtjevi – 1. dio: Glodala, cirkularne pile (EN 847-1:2013)  
Tools for woodworking – Safety requirements – Part 1: Milling tools, circular saw blades (EN 847-1:2013)
- HRN EN 847-2:2014 en pr  
Alati za obradu drva – Sigurnosni zahtjevi – 2. dio: Zahtjevi za jačinu drška alata za glodanje (EN 847-2:2013)  
Tools for woodworking – Safety requirements – Part 2: Requirements for the shank of shank mounted milling (EN 847-2:2013)

- HRN EN 847-3:2014 en pr  
Alati za obradu drva – Sigurnosni zahtjevi – 3. dio: Naprave za stezanje (EN 847-3:2013)  
Tools for woodworking – Safety requirements – Part 3: Clamping devices (EN 847-3:2013)

- HRN EN 1870-11:2014 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 11. dio: Poluautomatske i automatske horizontalne kružne pile za poprečno rezanje s jednom pilom (radijalni nosač pile) (EN 1870-11:2013)  
Safety of woodworking machines – Circular sawing machines – Part 11: Semi automatic horizontal cross-cut sawing machines with one saw unit (radial arm saws) (EN 1870-11:2013)

- HRN EN 1870-12:2014 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 12. dio: Klatne kružne pile za poprečno rezanje (EN 1870-12:2013)  
Safety of woodworking machines – Circular sawing machines – Part 12: Pendulum cross-cut sawing machines (EN 1870-12:2013)

### **HZN/TO 564, *Uljarice, biljna i životinjska ulja i masti***

- HRN EN ISO 6883:2014 en pr  
Životinjske i biljne masti i ulja – Određivanje uobičajene obujamske mase ("težina jedne litre u zraku") (ISO 6883:2007; EN ISO 6883:2014)  
Animal and vegetable fats and oils – Determination of conventional mass per volume (litre weight in air) (ISO 6883:2007; EN ISO 6883:2014)

- HRN EN ISO 12872:2010 en pr  
Maslinova ulja i ulja od komine masline – Određivanje udjela 2-gliceril monopalmitata (ISO 12872:2010; EN ISO 12872:2014)  
Olive oils and olive-pomace oils – Determination of the 2-glycerol monopalmitate content (ISO 12872:2010; EN ISO 12872:2014)

- HRN EN ISO 12873:2014 en pr  
Maslinova ulja i ulja od komine masline – Određivanje udjela voskova plinskom kromatografijom (ISO 12873:2010; EN ISO 12873:2014)  
Olive oils and olive-pomace oils – Determination of wax content by capillary gas chromatography (ISO 12873:2010; EN ISO 12873:2014)

- HRN EN ISO 29822:2014 en pr  
Biljne masti i ulja – Izomerni diacilgliceroli – Određivanje relativnog udjela 1,2- i 1,3-diacilglicerola (ISO 29822:2009; EN ISO 29822:2014)  
Vegetable fats and oils – Isomeric diacylglycerols – Determination of relative amounts of 1,2- and 1,3-diacylglycerols (ISO 29822:2009; EN ISO 29822:2014)

- HRN EN ISO 29841:2014 en pr  
Biljne masti i ulja – Određivanje razgradnih produkata klorofila a i a' (feofitini a, a' i pirofeofitini) (ISO 29841:2009; EN ISO 29841:2014)  
Vegetable fats and oils – Determination of the degradation products of chlorophylls a and a' (pheophytins a, a' and pyropheophytins) (ISO 29841:2009; EN ISO 29841:2014)

### **HZN/TO 568, *Analize hrane - Horizontalne metode***

- HRN EN ISO 4833-2:2013/Ispr.1:2014 en pr  
Mikrobiologija lanca hrane – Horizontalna metoda za određivanje broja mikroorganizama – 2. dio: Određivanje broja kolonija pri 30 °C tehnikom nasađivanja na površinu podloge – Tehnički ispravak 1 (ISO 4833-2:2013/Cor 1:2014; EN ISO 4833-2:2013/AC:2014)



Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 degrees C by the surface plating technique – Technical Corrigendum 1 (ISO 4833-2:2013/Cor 1:2014; EN ISO 4833-2:2013/AC:2014)

HRN ISO/TS 19036:2008/A1:2014 en pr  
Mikrobiologija hrane i hrane za životinje – Smjernice za procjenu mjerne nesigurnosti za kvantitativna određivanja – Amandman 1: Mjerna nesigurnost za mali broj (ISO/TS 19036:2006/Amd 1:2009)  
Microbiology of food and animal feeding stuffs – Guidelines for the estimation of measurement uncertainty for quantitative determinations – Amendment 1: Measurement uncertainty for low counts (ISO/TS 19036:2006/Amd 1:2009)

### **HZNTO 571, Sport, igrališta i ostali rekreacijski sadržaji i oprema**

HRN EN 957-6:2014 en pr  
Oprema za vježbanje – 6. dio: Pokretne trake za trčanje, dodatni posebni sigurnosni zahtjevi i metode ispitivanja (EN 957-6:2010+A1:2014)  
Stationary training equipment – Part 6: Treadmills, additional specific safety requirements and test methods (EN 957-6:2010+A1:2014)

HRN EN 13451-3:2014 en pr  
Oprema za bazene – 3. dio: Dodatni posebni sigurnosni zahtjevi i metode ispitivanja za dovode i odvode i naprave za zabavu na temelju vode/zraka (EN 13451-3:2011+A2:2014)  
Swimming pool equipment – Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features (EN 13451-3:2011+A2:2014)

### **HZNTO E10, Fluidi za primjenu u elektrotehnici**

HRN EN 62770:2014 en pr  
Tekućine za primjenu u elektrotehnici – Novi prirodni esteri za transformatore i sličnu električnu opremu (IEC 62770:2013; EN 62770:2014)  
Fluids for electrotechnical applications – Unused natural esters for transformers and similar electrical equipment (IEC 62770:2013; EN 62770:2014)

### **HZNTO E20, Električni kabeli**

HRN IEC 60840:2014 en pr  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 30 kV (Um = 36 kV) do 150 kV (Um = 170 kV) – Ispitne metode i zahtjevi (IEC 60840:2011)  
Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) – Test methods and requirements (IEC 60840:2011)

HRN IEC 62067:2014 en pr  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 150 kV (Um = 170 kV) do 500 kV (Um = 550 kV) – Ispitne metode i zahtjevi (IEC 62067:2011)  
Power cables with extruded insulation and their accessories for rated voltages above 150 kV (Um = 170 kV) up to 500 kV (Um = 550 kV) – Test methods and requirements (IEC 62067:2011)

### **HZNTO E31, Eksplozivne atmosfere**

HRN EN 60079-0:2012/A11:2014 en pr  
Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (EN 60079-0:2012/A11:2013)  
Explosive atmospheres – Part 0: Equipment – General requirements (EN 60079-0:2012/A11:2013)

### **HZNTO E36, Izolatori**

HRN EN 50180:2014 en pr  
Provodni izolatori iznad 1 kV do 52 kV i od 250 A do 3,15 kA za transformatore punjene tekućinom (EN 50180:2010)  
Bushings above 1 kV up to 52 kV and from 250 A to 3,15 kA for liquid filled transformers (EN 50180:2010)

HRN EN 50181:2014 en pr  
Utični tip provodnih izolatora iznad 1 kV do 52 kV i od 250 A do 2,50 kA za opremu koja nije za transformatore punjene tekućinom (EN 50181:2010)  
Plug-in type bushings above 1 kV up to 52 kV and from 250 A to 2,50 kA for equipment other than liquid filled transformers (EN 50181:2010)

HRN EN 60137:2014 en pr  
Izolirani provodni izolatori za izmjenične napone iznad 1 000 V (IEC 60137:2008; EN 60137:2008)  
Insulated bushings for alternating voltages above 1 000 V (IEC 60137:2008; EN 60137:2008)

HRN EN 61109:2014 en pr  
Izolatori za nadzemne vodove – Kompozitni viseći i vlačni izolatori za izmjenične sustave nazivnog napona većeg od 1 000 V – Definicije, metode ispitivanja i kriteriji za prihvaćanje (IEC 61109:2008; EN 61109:2008)  
Insulators for overhead lines – Composite suspension and tension insulators for a.c. systems with a nominal voltage greater than 1 000 V – Definitions, test methods and acceptance criteria (IEC 61109:2008; EN 61109:2008)

HRN EN 61467:2014 en pr  
Izolatori za nadzemne vodove – Izolatorski lanci i setovi za vodove nazivnog napona većeg od 1 000 V – Ispitivanja izmjeničnoga električnog luka (IEC 61467:2008; EN 61467:2008)  
Insulators for overhead lines – Insulator strings and sets for lines with a nominal voltage greater than 1 000 V – AC power arc tests (IEC 61467:2008; EN 61467:2008)

HRN EN 61952:2014 en pr  
Izolatori za nadzemne vodove – Kompozitni vodni potporni izolatori za izmjenične sustave nazivnog napona većeg od 1 000 V – Definicije, metode ispitivanja i kriteriji za prihvaćanje (IEC 61952:2008; EN 61952:2008)  
Insulators for overhead lines – Composite line post insulators for A.C. systems with a nominal voltage greater than 1 000 V – Definitions, test methods and acceptance criteria (IEC 61952:2008; EN 61952:2008)

HRN EN 62223:2014 en pr  
Izolatori – Rječnik naziva i definicije (IEC 62223:2009; EN 62223:2009)  
Insulators – Glossary of terms and definitions (IEC 62223:2009; EN 62223:2009)

### **HZNTO E57, Upravljanje energetskim sustavom i pridružene komunikacije**

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

HRN EN 61850-7-1:2014 en pr  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – Dio 7-1: Osnovna komunikacijska struktura – Načela i modeli (IEC 61850-7-1:2011; EN 61850-7-1:2011)

Communication networks and systems for power utility automation – Part 7-1: Basic communication structure – Principles and models (IEC 61850-7-1:2011; EN 61850-7-1:2011)

HRN EN 61850-8-1:2014 en pr  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – Dio 8-1: Pridjeljivanje specifičnih komunikacijskih usluga (SCSM) – Pridjeljivanje u MMS (ISO 9506-1 i ISO 9506-2) i ISO/IEC 8802-3 (IEC 61850-8-1:2011; EN 61850-8-1:2011)  
Communication networks and systems for power utility automation – Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3 (IEC 61850-8-1:2011; EN 61850-8-1:2011)

HRN EN 61850-9-2:2014 en pr  
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – Dio 9-2: Specifična komunikacijska usluga preslikavanja (SCSM) – Uzorkovanje putem ISO/IEC 8802-3 (IEC 61850-9-2:2011; EN 61850-9-2:2011)  
Communication networks and systems for power utility automation – Part 9-2: Specific communication service mapping (SCSM) – Sampled values over ISO/IEC 8802-3 (IEC 61850-9-2:2011; EN 61850-9-2:2011)

HRN EN 62361-2:2014 en pr  
Upravljanje energetskim sustavima i povezana razmjena podataka – Dugoročna interoperabilnost – 2. dio: Oznake kvalitete za početne i krajnje SCADA točke (IEC 62361-2:2013; EN 62361-2:2013)  
Power systems management and associated information exchange – Interoperability in the long term – Part 2: End to end quality codes for supervisory control and data acquisition (SCADA) (IEC 62361-2:2013; EN 62361-2:2013)

### **HZN/TO E59, *Uporabne značajke električnih kućanskih aparata***

HRI CLC/TR 50619:2014 en pr  
Smjernice za provođenje opetovanih neovisnih ispitivanja (CLC/TR 50619:2014)  
Guidance on how to conduct Round Robin Tests (CLC/TR 50619:2014)

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

HRN HD 60364-5-56:2011/A11:2014 en pr  
Niskonaponske električne instalacije – Dio 5-56: Odabir i ugradnja električne opreme – Instalacije za sigurnosne svrhe (HD 60364-5-56:2010/A11:2013)  
Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services (HD 60364-5-56:2010/A11:2013)

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

HRS CLC/TS 50131-2-10:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-10: Protuprovalni detektori – Kontakti (magnetski) za nadzor zaključanosti brave (CLC/TS 50131-2-10:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-10: Intrusion detectors – Lock state contacts (magnetic) (CLC/TS 50131-2-10:2014)

HRN EN 50131-2-2:2008/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-2: Protuprovalni detektori – Pasivni infracrveni detektori (EN 50131-2-2:2008/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors – Passive infrared detectors (EN 50131-2-2:2008/IS1:2014)

HRN EN 50131-2-3:2010/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-3: Zahtjevi za mikrovalne detektore (EN 50131-2-3:2008/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-3: Requirements for microwave detectors (EN 50131-2-3:2008/IS1:2014)

HRN EN 50131-2-4:2008/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-4: Zahtjevi za kombinirane pasivne infracrvene i mikrovalne detektore (EN 50131-2-4:2008/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-4: Requirements for combined passive infrared and microwave detectors (EN 50131-2-4:2008/IS1:2014)

HRN EN 50131-2-5:2010/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore (EN 50131-2-5:2008/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors (EN 50131-2-5:2008/IS1:2014)

HRN EN 50131-2-6:2010/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-6: Kontakti za detekciju otvaranja (magnetski) (EN 50131-2-6:2008/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-6: Opening contacts (magnetic) (EN 50131-2-6:2008/IS1:2014)

HRN EN 50131-2-7-1:2013/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-7-1: Protuprovalni detektori – Detektori loma stakla (akustički) (EN 50131-2-7-1:2012/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-7-1: Intrusion detectors – Glass break detectors (acoustic) (EN 50131-2-7-1:2012/IS1:2014)

HRN EN 50131-2-7-2:2013/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-7-2: Protuprovalni detektori – Detektori loma stakla (pasivni) (EN 50131-2-7-2:2012/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-7-2: Intrusion detectors – Glass break detectors (passive) (EN 50131-2-7-2:2012/IS1:2014)

HRN EN 50131-2-7-3:2013/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-7-3: Protuprovalni detektori – Detektori loma stakla (aktivni) (EN 50131-2-7-3:2012/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-7-3: Intrusion detectors – Glass break detectors (active) (EN 50131-2-7-3:2012/IS1:2014)

HRS CLC/TS 50131-2-8:2013/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-8: Protuprovalni detektori – Detektori udara (CLC/TS 50131-2-8:2012/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 2-8: Intrusion detectors – Shock detectors (CLC/TS 50131-2-8:2012/IS1:2014)

HRS CLC/TS 50131-11:2013/IS1:2014 en pr  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 11. dio: Protuprepadni uređaji (CLC/TS 50131-11:2012/IS1:2014)  
Alarm systems – Intrusion and hold-up systems – Part 11: Hold-up devices (CLC/TS 50131-11:2012/IS1:2014)

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

HRN EN 61936-1:2012/A1:2014 en pr  
Električna postrojenja nazivnih izmjeničnih napona iznad 1kV – 1. dio: Opća pravila (IEC 61936-1:2010/am1:2014; EN 61936-1:2010/A1:2014)  
Power installations exceeding 1 kV a.c. – Part 1: Common rules (IEC 61936-1:2010/am1:2014; EN 61936-1:2010/A1:2014)

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

HRN EN 50083-8:2014 en pr  
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 8. dio: Elektromagnetska kompatibilnost za mreže (EN 50083-8:2013)  
Cable networks for television signals, sound signals and interactive services – Part 8: Electromagnetic compatibility for networks (EN 50083-8:2013)

HRN EN 50563:2012/A1:2014 en pr  
Vanjski a.c. - d.c. i a.c. - a.c. izvori napajanja – Određenje prosječne efikasnosti aktivnog modela u radu bez opterećenja (EN 50563:2011/A1:2013)  
External a.c. - d.c. and a.c. - a.c. power supplies – Determination of no-load power and average efficiency of active modes (EN 50563:2011/A1:2013)

HRS CLC/TS 50607:2014 en pr  
Raspodjela satelitskog signala pomoću jednostrukoga koaksijalnog kabela – Druga generacija (CLC/TS 50607:2013)  
Satellite signal distribution over a single coaxial cable – Second generation (CLC/TS 50607:2013)

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

HRN EN 60243-2:2014 en pr  
Električna čvrstoća izolacijskih materijala – Metode ispitivanja – 2. dio: Dodatni zahtjevi za ispitivanja pri uporabi istosmjernog napona (IEC 60243-2:2013; EN 60243-2:2014)  
Electric strength of insulating materials – Test methods – Part 2: Additional requirements for tests using direct voltage (IEC 60243-2:2013; EN 60243-2:2014)

HRN EN 60243-3:2014 en pr  
Električna čvrstoća izolacijskih materijala – Metode ispitivanja – 3. dio: Dodatni zahtjevi za 1,2/50  $\mu$ s impulsna ispitivanja (IEC 60243-3:2013; EN 60243-3:2014)  
Electric strength of insulating materials – Test methods – Part 3: Additional requirements for 1,2/50  $\mu$ s impulse tests (IEC 60243-3:2013; EN 60243-3:2014)

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

HRN EN 55020:2009/IS1:2014 en pr  
Zvučni i televizijski radiodifuzijski prijamnici i prateća oprema – Značajke otpornosti – Granice i metode mjerenja (EN 55020:2007/IS1:2009)  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (EN 55020:2007/IS1:2009)

HRN EN 55020:2009/IS2:2014 en pr  
Zvučni i televizijski radiodifuzijski prijamnici i prateća oprema – Značajke otpornosti – Granice i metode mjerenja (EN 55020:2007/IS2:2010)

Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (EN 55020:2007/IS2:2010)

HRN EN 55020:2009/IS3:2014 en pr  
Zvučni i televizijski radiodifuzijski prijamnici i prateća oprema – Značajke otpornosti – Granice i metode mjerenja (EN 55020:2007/IS3:2014)  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (EN 55020:2007/IS3:2014)

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

HRN ETS 300 786 V1:2014 en pr  
Transmission and Multiplexing (TM) – Digital Radio Relay Systems (DRRS) – Sub-STM-1 DRRS operating in the 13 GHz, 15 GHz and 18 GHz frequency bands with about 14 MHz co-polar channel spacing (ETS 300 786 ed.1:1998)

HRN ETS 300 812 V1:2014 en pr  
Terrestrial Trunked Radio (TETRA) – Security aspects – Subscriber Identity Module to Mobile Equipment (SIM - ME) interface (ETS 300 812 ed.1:1998)

HRN ETS 300 816 V1:2014 en pr  
Private Integrated Services Network (PISN) – Cordless Terminal Mobility (CTM) – Handover Additional Network Feature (ANF) – Service description (ETS 300 816 ed.1:1998)

HRN ETS 300 817 V1:2014 en pr  
Private Integrated Services Network (PISN) – Cordless Terminal Mobility (CTM) – Handover Additional Network Feature (ANF) – Functional capabilities and information flows (ETS 300 817 ed.1:1998)

HRN ETS 300 833 V1:2014 en pr  
Fixed Radio Systems – Point to Point Antennas – Antennas for point-to-point fixed radio systems operating in the frequency band 3 GHz to 60 GHz (ETS 300 833 ed.1:1999)

HRN EN 302 885-1 V1.3.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Prenosiva VHF radiotelefonska oprema za pomorsku pokretnu službu u VHF pojasevima s integriranim digitalnim selektivnim pozivom DSC razreda D – 1. dio: Tehničke karakteristike i metode ispitivanja (EN 302 885-1 V1.3.1:2014)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 1: Technical characteristics and methods of measurement (EN 302 885-1 V1.3.1:2014)

HRN EN 302 885-2 V1.2.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Prijenosna radiotelefonska oprema vrlo visoke frekvencije (VHF) za pomorsku pokretnu službu koja radi u VHF pojasevima sa integriranim dlanovnikom razreda D DSC – 2. dio: Harmonizirana europska EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE (EN 302 885-2 V1.2.1:2014)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive (EN 302 885-2 V1.2.1:2014)



HRN EN 302 885-3 V1.2.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Prijenosna radiotelefonska oprema vrlo visoke frekvencije (VHF) za pomorsku pokretnu službu koja radi u VHF pojasima sa integriranim dlanovnikom razreda D DSC – 2. dio: Harmonizirana europska EN norma obuhvaća bitne zahtjeve iz članka 3.3(e) direktive R&TTE (EN 302 885-3 V1.2.1:2014)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 3: Harmonized EN covering the essential requirements of article 3.3(e) of the R&TTE Directive (EN 302 885-3 V1.2.1:2014)

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

HRS CEN/TS 16634:2014 en pr  
Identifikacija osoba – Preporuka za uporabu biometrije u europskoj automatskoj graničnoj kontroli (CEN/TS 16634:2014)  
Personal identification – Recommendations for using biometrics in European Automated Border Control (CEN/TS 16634:2014)

HRI CEN/TR 16669:2014 en pr  
Informacijska tehnologija – Sučelje uređaja za potporu ISO/IEC 18000-3 (CEN/TR 16669:2014)  
Information technology – Device interface to support ISO/IEC 18000-3 (CEN/TR 16669:2014)

HRI CEN/TR 16670:2014 en pr  
Informacijska tehnologija – Obradivanje RFID-a i analiza ranjivosti (CEN/TR 16670:2014)  
Information technology – RFID threat and vulnerability analysis (CEN/TR 16670:2014)

HRI CEN/TR 16671:2014 en pr  
Informacijska tehnologija – Autorizacija mobilnih telefona kada se upotrebljavaju kao RFID primopredajnici (CEN/TR 16671:2014)  
Information technology – Authorization of mobile phones when used as RFID interrogators (CEN/TR 16671:2014)

HRI CEN/TR 16672:2014 en pr  
Informacijska tehnologija – Značajke povjerljivosti sadašnjih RFID tehnologija (CEN/TR 16672:2014)  
Information technology – Privacy capability features of current RFID technologies (CEN/TR 16672:2014)

HRI CEN/TR 16673:2014 en pr  
Informacijska tehnologija – Analize koje se odnose na RFID za posebna područja, procjena utjecaja na privatnost (CEN/TR 16673:2014)  
Information technology – RFID privacy impact assessment analysis for specific sectors (CEN/TR 16673:2014)

HRI CEN/TR 16674:2014 en pr  
Informacijska tehnologija – Analize koje se odnose na RFID, metodologija procjene utjecaja na privatnost (CEN/TR 16674:2014)  
Information technology – RFID privacy impact assessment analysis for specific sectors (CEN/TR 16674:2014)

HRI CEN/TR 16684:2014 en pr  
Informacijska tehnologija – Notifikacija RFID-a – Dodatne informacije koje trebaju osigurati operatori sustava (CEN/TR 16684:2014)  
Information technology – Notification of RFID – Additional information to be provided by operators (CEN/TR 16684:2014)

HRS CEN/TS 16685:2014 en pr  
Informacijska tehnologija – Notifikacija RFID-a – Informativna oznaka koja se treba izložiti na područjima u kojima se nalaze RFID primopredajnici (CEN/TS 16685:2014)  
Information technology – Notification of RFID – The information sign to be displayed in areas where RFID interrogators are deployed (CEN/TS 16685:2014)

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

HRN EN ISO 22068:2014 en pr  
Sinterirani metalni materijali za ubrizgavanje u kalupe – Specifikacije (ISO 22068:2012; EN ISO 22068:2014)  
Sintered-metal injection-moulded materials – Specifications (ISO 22068:2012; EN ISO 22068:2014)

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

HRS CEN/TS 16214-2:2014 en pr  
Održivi kriteriji za proizvodnju biogoriva i biotekućina za dobivanje energije – Načela, kriterij, indikatori i provjere – 2. dio: Ocjena sukladnosti koja uključuje lanac nadzora i bilancu (CEN/TS 16214-2:2014)  
Sustainability criteria for the production of biofuels and bioliquids for energy applications – Principles, criteria, indicators and verifiers – Part 2: Conformity assessment including chain of custody and mass balance (CEN/TS 16214-2:2014)

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

HRN EN ISO 8637:2014 en pr  
Kardiovaskularni implantati i ekstrakorporalni sustavi – Uređaji za hemodijalizu, hemodijafiltriranje, hemofiltriranje i hemokoncentraciju (ISO 8637:2010, uključujući Amandman 1 2013-04-01; EN ISO 8637:2014)  
Cardiovascular implants and extracorporeal systems – Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (ISO 8637:2010, including Amendment 1 2013-04-01; EN ISO 8637:2014)

HRN EN ISO 8638:2014 en pr  
Kardiovaskularni implantati i ekstrakorporalni sustavi – Ekstrakorporalni krvotok za uređaje za hemodijalizu, hemodijafiltriranje i hemofiltriranje (ISO 8638:2010; EN ISO 8638:2014)  
Cardiovascular implants and extracorporeal systems – Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (ISO 8638:2010; EN ISO 8638:2014)

HRN EN 12183:2014 en pr  
Invalidska kolica na ručni pogon – Zahtjevi i metode ispitivanja (EN 12183:2014)  
Manual wheelchairs – Requirements and test methods (EN 12183:2014)

HRN EN 12184:2014 en pr  
Invalidska kolica na električni pogon, skuteri i njihovi punjači – Zahtjevi i metode ispitivanja (EN 12184:2014)  
Electrically powered wheelchairs, scooters and their chargers – Requirements and test methods (EN 12184:2014)

HRN EN 14683:2014 en pr  
Kirurške maske – Zahtjevi i metode ispitivanja (EN 14683:2014)  
Medical face masks – Requirements and test methods (EN 14683:2014)

- HRN EN 16224:2014 en pr  
Zdravstvene usluge kiropraktičara  
(EN 16224:2012+A1:2014)  
Healthcare provision by chiropractors  
(EN 16224:2012+A1:2014)
- HRN EN ISO 21536:2011/A1:2014 en pr  
Neaktivni kirurški implantati – Implantati za zamjenu zgloba – Posebni zahtjevi za implantate za zamjenu zgloba koljena – Amandman 1 (ISO 21536:2007/Amd 1:2014; EN ISO 21536:2009/A1:2014)  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants – Amendment 1  
(ISO 21536:2007/Amd 1:2014;  
EN ISO 21536:2009/A1:2014)
- HRN EN ISO 28888:2014 en pr  
Stomatologija – Metoda provjere mogućnosti erozivnog djelovanja tekućina za ispiranje usta na tvrdo zubno tkivo (ISO 28888:2013;  
EN ISO 28888:2013)  
Dentistry – Screening method for erosion potential of oral rinses on dental hard tissues (ISO 28888:2013;  
EN ISO 28888:2013)

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

- HRN EN ISO 3691-5:2014 en pr  
Industrijski kamioni – Sigurnosni zahtjevi i potvrđivanje – 5. dio: Viličari pogonjeni guranjem (ISO 3691-5:2014; EN ISO 3691-5:2014)  
Industrial trucks – Safety requirements and verification – Part 5: Pedestrian-propelled trucks (ISO 3691-5:2014; EN ISO 3691-5:2014)

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

- HRN EN 50625-1:2014 en pr  
Collection, logistics & Treatment requirements for WEEE – Part 1: General treatment requirements  
(EN 50625-1:2014)

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

- HRI CLC/TR 50552:2014 en pr  
Elektronički sustavi u stanovima i zgradama (ESSZ) – Otvoreni komunikacijski sustav – Sučelja – Sučelja posrednik, upletena prica klase 1 (CLC/TR 50552:2010)  
Home and Building Electronic Systems (HBES) – Open communication system – Interfaces – Medium interface, twisted pair, class 1 (CLC/TR 50552:2010)
- HRN EN 60793-2-50:2014 en pr  
Optička vlakna – Dio 2-50: Specifikacije proizvoda – Sekcijska specifikacija za vlakna razreda B za jedan način rada (IEC 60793-2-50:2012+Corr.1:2014; EN 60793-2-50:2013)  
Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50:2012+Corr.1:2014; EN 60793-2-50:2013)
- HRN EN 61290-3-3:2014 en pr  
Optička pojačala – Ispitne metode – Dio 3-3: Iznosi faktora buke – Omjer snage signala prema ukupnoj ASE snazi (IEC 61290-3-3:2013; EN 61290-3-3:2014)  
Optical amplifiers – Test methods – Part 3-3: Noise figure parameters – Signal power to total ASE power ratio (IEC 61290-3-3:2013; EN 61290-3-3:2014)

- HRN EN 140101-806:2008/A1:2014 en pr  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage – Otpornici od metalnog tankog sloja na keramici visoke kakvoće, ujednačeno namazani ili oblikovani, aksijalni ili unaprijed oblikovani vodovi (EN 140101-806:2008/A1:2013)  
Detail Specification: Fixed low power film resistors – Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads (EN 140101-806:2008/A1:2013)
- HRN EN 140401-801:2009/A1:2014 en pr  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 0,1; 0,25; 0,5; 1 (EN 140401-801:2007/A1:2013)  
Detail specification: Fixed low power film SMD resistors – Rectangular – Stability classes 0,1; 0,25; 0,5; 1 (EN 140401-801:2007/A1:2013)
- HRN EN 140401-802:2009/A2:2014 en pr  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 1; 2 (EN 140401-802:2007/A2:2013)  
Detail specification: Fixed low power film SMD resistors – Rectangular – Stability classes 1; 2 (EN 140401-802:2007/A2:2013)
- HRN EN 140401-804:2012/A1:2014 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/A1:2013)  
Detail Specification: Fixed low power film high stability SMD resistors – Rectangular – Stability classes 0,1; 0,25 (EN 140401-804:2011/A1:2013)

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

- HRS CLC/TS 50612:2014 en pr  
Portable electrical apparatus for the measurement of combustion flue gas parameters – Guide to their use in the process of commissioning, servicing and maintaining gas fired central heating boilers (CLC/TS 50612:2013)
- HRN EN 61029-2-11:2013/A11:2014 en pr  
Sigurnost prijevoznih elektromotornih alata – Dio 2-11: Posebni zahtjevi za složene stolne kutne pile (EN 61029-2-11:2012/A11:2013)  
Safety of transportable motor-operated electric tools – Part 2-11: Particular requirements for combined mitre and bench saws (EN 61029-2-11:2012/A11:2013)
- HRN EN 61029-2-9:2012/A11:2014 en pr  
Sigurnost prijevoznih elektromotornih alata – Dio 2-9: Posebni zahtjevi za kutne pile (EN 61029-2-9:2012/A11:2013)  
Safety of transportable motor-operated electric tools – Part 2-9: Particular requirements for mitre saws (EN 61029-2-9:2012/A11:2013)
- HRN EN 61362:2014 en pr  
Upute za specifikaciju upravljačkih sustava hidrauličnih turbina (IEC 61362:2012; EN 61362:2012)  
Guide to specification of hydraulic turbine governing systems (IEC 61362:2012; EN 61362:2012)



### 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).

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

- FprEN ISO 2758 en  
Paper – Determination of bursting strength (ISO/FDIS 2758:2014)  
Papir – Određivanje otpornosti jačine pucanja (ISO/FDIS 2758:2014)
- FprEN ISO 2759 en  
Board – Determination of bursting strength (ISO/FDIS 2759:2014)  
Karton – Određivanje otpornosti jačine pucanja (ISO/FDIS 2759:2014)

#### HZNTO 8, *Brodogradnja*

- EN 280:2013/prA1 en  
Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests  
Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi
- EN 1570-1:2011/FprA1 en  
Safety requirements for lifting tables – Part 1: Lifting tables serving up to two fixed landings  
Sigurnosni zahtjevi za podizne platforme – 1. dio: Podizne platforme za opsluživanje do dvije fiksne površine
- prEN ISO 6218 en  
Inland navigation vessels – Manually- and power-operated coupling devices for pushing units and coupled vessels – Safety requirements and main dimensions (ISO/DIS 6218:2014)  
Plovni objekti unutarnje plovidbe – Ručno i strojno pogonjene spojne naprave za gurače i spojena plovila – Sigurnosni zahtjevi i glavne dimenzije (ISO/DIS 6218:2014)
- prEN ISO 9094 en  
Small craft – Fire protection (ISO/DIS 9094:2014)  
Mala plovila – Protupožarna zaštita (ISO/DIS 9094:2014)
- ISO 14726:2008 en  
Ships and marine technology – Identification colours for the content of piping systems  
Brodovi i pomorska tehnologija – Boje za označivanje sadržaja cjevovodnih sustava

#### HZNTO 21, *Protupožarna i vatrogasna oprema*

- EN 54-3:2014 en  
Fire detection and fire alarm systems – Part 3: Fire alarm devices – Sounders  
Sustavi za otkrivanje i dojavu požara – 3. dio: Uređaji za uzbunjivanje – Sirene
- prEN 54-20 en  
Fire detection and fire alarm systems – Part 20: Aspirating smoke detectors  
Sustavi za otkrivanje i dojavu požara – 20. dio: Aspiracijski dimni detektori

- prEN 16712-1 en  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable foam equipment – Part 1: Inductors PN 16  
Prijenosna oprema za izbacivanje sredstava za gašenje dobavljenog iz vatrogasnih pumpi – Prijenosna oprema za pjenu – 1 dio: Induktori PN 16
- prEN 16712-2 en  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable foam equipment – Part 2: Pick-up tubes  
Prijenosna oprema za izbacivanje sredstava za gašenje dobavljenog iz vatrogasnih pumpi – Prijenosna oprema za pjenu – Dio 2: Usisne cijevi pjenila
- prEN 16712-3 en  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable foam equipment – Part 3: Low and medium expansion handheld foam branchpipes PN 16  
Prijenosna oprema za izbacivanje sredstava za gašenje dobavljenog iz vatrogasnih pumpi – Prijenosna oprema za pjenu – 3. dio: Ručne mlaznice za tešku i srednju pjenu PN 16

#### HZNTO 23, *Traktori i strojevi za poljoprivredu i šumarstvo*

- prEN ISO 4254-14 en  
Agricultural machinery – Safety – Part 14: Bale wrappers (ISO/DIS 4254-14:2014)
- FprEN 15811 en  
Agricultural machinery – Fixed guards and interlocked guards with or without guard locking for moving transmission parts (ISO/TS 28923:2012, MOD)
- prEN ISO 16231-2 en  
Self-propelled agricultural machinery – Assessment of stability – Part 2: Determination of static stability and test procedures (ISO/DIS 16231-2:2014)

#### HZNTO 28, *Naftni proizvodi i maziva*

- prEN ISO 3679 en  
Determination of flash no-flash and flash point – Rapid equilibrium closed cup method (ISO/DIS 3679:2014)  
Određivanje paljenja i točke paljenja – Metoda brze ravnoteže u zatvorenoj posudi (ISO/DIS 3679:2014)
- prEN 15199-4 en  
Petroleum products – Determination of boiling range distribution by gas chromatography method – Part 4: Light fractions of crude oil
- prEN 16270 en  
Automotive fuels – Determination of high-boiling components including fatty acid methyl esters in petrol and ethanol (E85) automotive fuel – Gas chromatography method
- prEN 16709 en  
Automotive fuels – High FAME diesel fuel (B20 or B30) – Requirements and test methods
- prEN 16715 en  
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels – Ignition delay and combustion delay determination using a constant volume combustion chamber with direct fuel injection
- prEN 16734 en  
Automotive fuels – Automotive B10 diesel fuel – Requirements and test methods

prEN ISO 20844 en  
Petroleum and related products – Determination of the shear stability of polymer-containing oils using a diesel injector nozzle (ISO/DIS 20844:2014)  
Nafta i srodni proizvodi – Određivanje smične stabilnosti ulja koja sadrže polimere uporabom sapnice za ubrizgavanje dizela (ISO/DIS 20844:2014)

#### **HZN/TO 34/PO 4, Poljoprivredni i prehrambeni proizvodi; Žito i proizvodi od žita**

prEN ISO 11085 en  
Cereals, cereals-based products and animal feeding stuffs – Determination of crude fat and total fat content by the Randall extraction method (ISO/DIS 11085:2014)  
Žitarice, proizvodi na bazi žitarica i hrana za životinje – Određivanje udjela sirove masti i ukupne masti Randall-ovom metodom ekstrakcije (ISO/DIS 11085:2014)

prEN ISO 27971 en  
Cereals and cereal products – Common wheat (*Triticum aestivum* L.) – Determination of alveograph properties of dough at constant hydration from commercial or test flours and test milling methodology (ISO/DIS 27971:2014)  
Žitarice i proizvodi od žitarica – Krušna pšenica (*Triticum aestivum* L.) – Određivanje alveografskih svojstava tijesta komercijalnih ili ispitnih brašna uz konstantno vlaženje i postupak laboratorijskog mljevenja (ISO/DIS 27971:2014)

#### **HZN/TO 34/PO 7, Poljoprivredni i prehrambeni proizvodi; Kava, čaj, miridije i začini**

FprEN ISO 3493 en  
Vanilla – Vocabulary (ISO/FDIS 3493:2014)  
Vanilija – Rječnik (ISO/FDIS 3493:2014)

#### **HZN/TO 35, Boje i lakovi**

prEN ISO 3248 rev en  
Paints and varnishes – Determination of the effect of heat (ISO/DIS 3248:2014)  
Boje i lakovi – Određivanje djelovanja topline (ISO/DIS 3248:2014)

prEN ISO 4624 rev en  
Paints and varnishes – Pull-off test for adhesion (ISO/DIS 4624:2014)  
Boje i lakovi – Ispitivanje prionljivosti vlažnom metodom (ISO/DIS 4624:2014)

prEN ISO 4630 en  
Clear liquids – Estimation of colour by the Gardner colour scale (ISO/DIS 4630:2014)  
Čiste kapljevine – Procjena boje pomoću Gardnerove ljestvice boja (ISO/DIS 4630:2014)

prEN ISO 6271 en  
Clear liquids – Estimation of colour by the platinum-cobalt colour scale (ISO/DIS 6271:2014)

prEN ISO 7784-3 rev en  
Paints and varnishes – Determination of resistance to abrasion – Part 3: Method with abrasive-paper covered wheel and linearly reciprocating test panel (ISO/DIS 7784-3:2014)

prEN ISO 8502-3 en  
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method) (ISO/DIS 8502-3:2014)

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 3. dio: Ocjena zaprašenosti čeličnih površina pripremljenih za bojenje (metoda pomoću trake osjetljive na pritisak) (ISO/DIS 8502-3:2014)

prEN ISO 8502-4 en  
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 4: Guidance on the estimation of the probability of condensation prior to paint application (ISO/DIS 8502-4:2014)

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 4. dio: Smjernice za procjenu mogućnosti kondenzacije prije nanašanja boje (ISO/DIS 8502-4:2014)

prEN ISO 8623 en  
Tall-oil fatty acids for paints and varnishes – Test methods and characteristic values (ISO/DIS 8623:2014)  
Masne kiseline talnog ulja za boje i lakove – Metode ispitivanja i karakteristične vrijednosti (ISO/DIS 8623:2014)

prEN 13523-15 en  
Coil coated metals – Test methods – Part 15: Metamerism  
Metali zaštićeni trakom – Metode ispitivanja – 15. dio: Metamerizam

prEN 13523-23 en  
Coil coated metals – Test methods – Part 23: Resistance to humid atmospheres containing sulfur dioxide  
Metali zaštićeni trakom – Metode ispitivanja – 23. dio: Otpornost na vlažnu atmosferu koja sadrži sumporov dioksid

FprEN 15457 en  
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against fungi  
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti zaštitnih sredstava protiv gljiva na filmu prekrivnog materijala

FprEN 15458 en  
Paints and varnishes – Laboratory method for testing the efficacy of film preservatives in a coating against algae  
Boje i lakovi – Laboratorijska metoda za ispitivanje djelotvornosti zaštitnih sredstava protiv algi na filmu prekrivnog materijala

prEN ISO 16773-1 rev en  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens – Part 1: Terms and definitions (ISO/DIS 16773-1:2014)  
Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučanim uzorcima – 1. dio: Nazivi i definicije (ISO/DIS 16773-1:2014)

prEN ISO 16773-2 rev en  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens – Part 2: Collection of data (ISO/DIS 16773-2:2014)  
Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučanim uzorcima – 2. dio: Prikupljanje podataka (ISO/DIS 16773-2:2014)

prEN ISO 16773-3 rev en  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens – Part 3: Processing and analysis of data from dummy cells (ISO/DIS 16773-3:2014)  
Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučanim uzorcima – 3. dio: Obradivanje i analiza podataka iz slijepih ćelija (ISO/DIS 16773-3:2014)

prEN ISO 16773-4 en  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens – Part 4: Examples of spectra of polymer-coated specimens (ISO/DIS 16773-4:2014)  
Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučenim uzorcima – 4. dio: Primjeri spektra polimerom prevučenih uzoraka (ISO/DIS 16773-4:2014)

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

prEN ISO 6926 rev en  
Acoustics – Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels (ISO/DIS 6926:2014)  
Akustika – Zahtjevi za svojstva i umjeravanje referentnog izvora zvuka za određivanje razina zvučne snage (ISO/DIS 6926:2014)

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

prEN ISO 1071 rev en  
Welding consumables – Covered electrodes, wires, rods and tubular cored electrodes for fusion welding of cast iron – Classification (ISO/DIS 1071:2014)  
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode, žice, šipke i punjene žice za zavarivanje željeznoga lijeva – Razredba (ISO/DIS 1071:2014)

prEN ISO 2063-1 en  
Thermal spraying – Metallic and other inorganic coatings – Zinc, aluminium and their alloys – Part 1: Planning of the corrosion protection system – Component design considerations and quality requirements (ISO/DIS 2063-1:2014)  
Toplinsko naštrecavanje – Metalne i druge anorganske prevlake – Cink, aluminij i njihove legure – 1. dio: Planiranje sustava zaštite od korozije – Razmatranja o oblikovanju komponenata i zahtjevi za kvalitetu (ISO/DIS 2063-1:2014)

prEN ISO 2063-2 en  
Thermal spraying – Metallic and other inorganic coatings – Zinc, aluminium and their alloys – Part 2: Conditions for execution of corrosion protection works by thermal spray processes (ISO/DIS 2063-2:2014)  
Toplinsko naštrecavanje – Metalne i druge anorganske prevlake – Cink, aluminij i njihove legure – 2. dio: Uvjeti za provođenje zaštite od korozije postupcima toplinskoga naštrecavanja (ISO/DIS 2063-2:2014)

prEN ISO 6848 rev en  
Arc welding and cutting – Nonconsumable tungsten electrodes – Classification (ISO/DIS 6848:2014)  
Elektrolučno zavarivanje i rezanje – Volframove elektrode – Razredba (ISO/DIS 6848:2014)

prEN ISO 17634 rev en  
Welding consumables – Tubular cored electrodes for gas shielded metal arc welding of creep-resisting steels – Classification (ISO/DIS 17634:2014)  
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom za elektrolučno zavarivanje u zaštiti plina za čelike otporne na puzanje – Razredba (ISO/DIS 17634:2014)

prEN ISO 18273 rev en  
Welding consumables – Wire electrodes, wires and rods for welding of aluminium and aluminium alloys – Classification (ISO/DIS 18273:2014)  
Dodatni i potrošni materijali za zavarivanje – Žičane elektrode, žice i šipke za zavarivanje aluminija i legura aluminija – Razredba (ISO/DIS 18273:2014)

prEN ISO 18278-2 rev en  
Resistance welding – Weldability – Part 2: Evaluation procedures for weldability in spot welding (ISO/DIS 18278-2:2014)  
Elektrootporno zavarivanje – Zavarljivost – 2. dio: Postupci vrednovanja zavarljivosti pri točkastome zavarivanju (ISO/DIS 18278-2:2014)

#### **HZN/TO 47, Kemija**

prEN ISO 4797 rev en  
Laboratory glassware – Boiling flasks with conical ground joints (ISO/DIS 4797:2014)  
Laboratorijsko stakleno posuđe – Vatrostalne tikvice s koničnim brušenim grlom (ISO/DIS 4797:2014)

prEN 16736 en  
Health risk assessment of chemicals – Requirements for the provision of training  
Procjena rizika od kemikalija za zdravlje – Zahtjevi za pružanje izobrazbe

#### **HZN/TO 71, Beton**

FprEN 480-1 en  
Admixtures for concrete, mortar and grout – Test methods – Part 1: Reference concrete and reference mortar for testing  
Dodatci betonu, mortu i smjesi za injektiranje – Metode ispitivanja – 1. dio: Referentni beton i referentni mort za ispitivanje

#### **HZN/TO 89, Furniri i drvene ploče**

EN 326-2:2010/FprA1 en  
Wood-based panels – Sampling; cutting and inspection – Part 2: Initial type testing and factory production control  
Ploče na osnovi drva – Uzorkovanje, krojenje i provjera – 2. dio: Početno ispitivanje tipa i tvornička kontrola proizvodnje

#### **HZN/TO 91, Površinski aktivne tvari**

ISO 17293-1:2014 en  
Surface active agents – Determination of chloroacetic acid (chloroacetate) in surfactants – Part 1: HPLC method  
Površinski aktivne tvari – Određivanje kloroacete kiseline u surfaktantima – 1. dio: Metoda HPLC-om

ISO 17293-2:2014 en  
Surface active agents – Determination of chloroacetic acid (chloroacetate) in surfactants – Part 2: Ionic chromatographic method  
Površinski aktivne tvari – Određivanje kloroacete kiseline u surfaktantima – 2. dio: Metoda ionskom kromatografijom

#### **HZN/TO 92, Zaštita od požara**

prEN 16733 en  
Reaction to fire tests for building products – Determination of a building product's propensity to undergo continuous smouldering  
Ispitivanja reakcije na požar građevnih proizvoda – Određivanje sklonosti građevnog proizvoda za neprekidno tinjanje

#### **HZN/TO 120, Koža i obuća**

prEN ISO 19076 en  
Leather - Measurement of leather surface – Using electronic techniques (ISO/DIS 19076:2014)  
Koža – Mjerenje površine kože – Korištenje elektroničkih tehnika (ISO/DIS 19076:2014)

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

- prEN ISO 5361 rev en  
Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO/DIS 5361:2014)  
Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO/DIS 5361:2014)
- prEN ISO 5364 rev en  
Anaesthetic and respiratory equipment – Oropharyngeal airways (ISO/DIS 5364:2014)  
Anestetička i respiracijska oprema – Osigurači zračnog puta za usta i ždrijelo (ISO/DIS 5364:2014)
- prEN ISO 14408 rev en  
Tracheal tubes designed for laser surgery – Requirements for marking and accompanying information (ISO/DIS 14408:2014)  
Trahealne cijevi dizajnirane za lasersku kirurgiju – Zahtjevi za označavanje i prateće informacije (ISO/DIS 14408:2014)

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

- prEN 16651 en  
Fertilizers – Determination of N-(n-Butyl) thiophosphoric acid triamide (NBPT) and N-(n-Propyl)thiophosphoric acid triamide (NPPT) – Method using high-performance liquid chromatography (HPLC)  
Gnojiva – određivanje N-(n-Butyl)thiophosphoric acid triamide (NBPT) i N-(n-Propyl)thiophosphoric acid triamide (NPPT) – Metoda tekućinskom kromatografijom visoke djelotvornosti (HPLC)

## HZN/TO 136, *Namještaj*

- prEN 581-2 en  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Safety, strength and durability requirements for seating
- prEN 581-3 en  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Safety, strength and durability requirements for tables
- prEN 597-1 en  
Furniture – Assessment of the ignitability of mattresses and upholstered bedbases – Part 1: Ignition source smouldering cigarette  
Namještaj – Procjena zapaljivosti ležaja-madraca i ojastučene osnove kreveta – 1. dio: Izvor zapaljenja tinjajuća cigareta
- prEN 597-2 en  
Furniture – Assessment of the ignitability of mattresses and upholstered bed base – Part 2: Ignition source: match flame equivalent  
Namještaj – Procjena zapaljivosti ležaja-madraca i ojastučene osnove kreveta – 2. dio: Izvor zapaljenja: jednakovrijedan plamenu šibice

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

- prEN 12106 en  
Plastics piping systems – Polyethylene (PE) and crosslinked polyethylene (PE-X) pipes – Test method for the resistance to internal pressure after application of squeeze-of

## HZN/TO 145, *Grafički simboli*

- ISO 3864-3:2012 en  
Graphical symbols – Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs

Grafički simboli – Boje i znakovi sigurnosti – 3. dio: Načela oblikovanja grafičkih simbola za uporabu na znakovima sigurnosti

- EN ISO 7010:2012/FprA4 en  
Graphical symbols - Safety colours and safety signs - Registered safety signs (ISO 7010:2011/Amd 4:2013)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 4:2013)
- EN ISO 7010:2012/FprA5 en  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 5:2014)  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 5:2014)

## HZN/TO 146, *Kvaliteta zraka*

- prEN ISO 17621 en  
Workplace atmospheres – Short term detector tube measurement systems – Requirements and test methods (ISO/DIS 17621:2014)

## HZN/TO 159, *Ergonomija*

- prEN ISO 9241-161 en  
Ergonomics of human-system interaction – Part 161: Guidance on visual user-interface elements (ISO/DIS 9241-161:2014)  
Ergonomija međudjelovanja čovjek-sustav – 161. dio: Smjernice za vizualne elemente korisničkog sučelja (ISO/DIS 9241-161:2014)
- prEN 16710 en  
Ergonomics – A methodology for work analysis to support design  
Ergonomija – Metodologija analize rada kao podrška dizajnu

## HZN/TO 163, *Toplinska izolacija*

- prEN 16724 en  
Thermal insulation products for building applications – Instructions for mounting and fixing for determination of the reaction to fire testing of external thermal insulation composite systems (ETICS) (Analogue to EN 15715)

## HZN/TO 165, *Drvene konstrukcije*

- prEN 1381 rev en  
Timber structures – Test methods – Load bearing stapled joints  
Drvene konstrukcije – Metode ispitivanja – Nosivost skobica
- prEN 1382 rev en  
Timber Structures – Test methods – Withdrawal capacity of timber fasteners  
Drvene konstrukcije – Metode ispitivanja – Nosivost na izvlačenje spajala za drvo
- prEN 1383 rev en  
Timber structures – Test methods – Pull through resistance  
Drvene konstrukcije – Metode ispitivanja – Otpornost drva na provlačenje glave spajala
- prEN 16737 en  
Structural timber – Visual strength grading of tropical hardwood  
Konstrukcijsko drvo – Razvrstavanje čvrstoće tropskoga tvrdog drva vizualnim pregledom



## HZN/TO 167, *Metalne konstrukcije*

- prEN 1090-4 en  
Execution of steel structures and aluminium structures – Part 4: Technical requirements for thin-gauge, cold-formed steel elements and structures for roof, ceiling, floor and wall applications

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

- ISO 8600-4:2014 en  
Endoscopes – Medical endoscopes and endotherapy devices – Part 4: Determination of maximum width of insertion portion  
Optika i optički instrumenti – Medicinski endoskopi i odreneni pribor – 4. dio: Odrenivanje maksimalnog promjera uvodnog dijela
- EN ISO 8624:2011/prA1 en  
Ophthalmic optics – Spectacle frames – Measuring system and terminology (ISO 8624:2011/DAM 1:2014)  
Oftalmološka optika – Okviri za naočale – Mjerni sustav i nazivlje (ISO 8624:2011/DAM 1:2014)
- prEN ISO 10322-1 en  
Ophthalmic optics – Semi-finished spectacle lens blanks – Part 1: Specifications for single-vision and multifocal lens blanks (ISO/DIS 10322-1:2014)  
Oftalmološka optika – Poluobrađene sirove naočalne leće – 1. dio: Specifikacija za jednojaksne i višežarišne sirove leće (ISO/DIS 10322-1:2014)
- prEN ISO 10322-2 en  
Ophthalmic optics – Semi-finished spectacle lens blanks – Part 2: Specifications for progressive-power and degressive-power lens blanks (ISO/DIS 10322-2:2014)  
Oftalmološka optika – Poluobrađene sirove naočalne leće – 2. dio: Specifikacija za sirove leće s progresivnom i regresivnom jakosti (ISO/DIS 10322-2:2014)
- prEN ISO 11145 en  
Optics and photonics – Lasers and laser-related equipment – Vocabulary and symbols (ISO/DIS 11145:2014)  
Optika i fotonika – Laseri i pridružena oprema – Terminološki rječnik i simboli (ISO/DIS 11145:2014)
- prEN ISO 11810 rev en  
Lasers and laser-related equipment – Test method and classification for the laser resistance of surgical drapes and/or patient protective covers – Primary ignition, penetration, flame spread and secondary ignition (ISO/DIS 11810:2014)
- prEN ISO 13694 en  
Optics and optical instruments – Lasers and laser-related equipment – Test methods for laser beam power (energy) density distribution (ISO/DIS 13694:2014)  
Optika i optički instrumenti – Laseri i pridružena oprema – Ispitne metode za raspodjelu gustoće snage (energije) laserskog snopa (ISO/DIS 13694:2014)
- FprEN ISO 14730 rev en  
Ophthalmic optics – Contact lens care products – Antimicrobial preservative efficacy testing and guidance on determining discard date (ISO/FDIS 14730:2014)  
Oftalmološka optika – Proizvodi za održavanje kontaktnih leća – Ispitivanje djelotvornosti antimikrobne zaštite i smjernice za određivanje vremena prestanka djelovanja (ISO/FDIS 14730:2014)

- prEN ISO 15004-2 en  
Ophthalmic instruments – Fundamental requirements and test methods – Part 2: Light hazard protection (ISO/DIS 15004-2:2014)  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 2. dio: Zaštita od opasnosti od svjetla (ISO/DIS 15004-2:2014)
- prEN ISO 16671 rev en  
Ophthalmic implants – Irrigating solutions for ophthalmic surgery (ISO/DIS 16671:2014)  
Oftalmološki implantanti – Tekućine za ispiranje u oftalmološkoj kirurgiji (ISO/DIS 16671:2014)
- prEN ISO 16672 rev en  
Ophthalmic implants – Ocular endotamponades (ISO/DIS 16672:2014)  
Oftalmološki implantanti – Okularni unutrašnji tamponi (ISO/DIS 16672:2014)
- CEN/TS 16677:2014 en  
Ophthalmic optics – Reference method for the testing of spectacle frames and sunglasses for nickel release  
Oftalmološka optika – Referentna metoda za ispitivanje ispuštanja nikla iz naočalnih okvira i sunčanih naočala

## HZN/TO 176, *Upravljanje kvalitetom i osiguranje kvalitete*

- ISO Guide 73:2009 en  
Risk management – Vocabulary  
Upravljanje rizicima – Terminološki rječnik
- prEN ISO 15378 en  
Primary packaging materials for medicinal products – Particular requirements for the application of ISO 9001:2008; with reference to Good Manufacturing Practice (GMP) (ISO/DIS 15378:2014)  
Osnovni materijal za pakiranje medicinskih proizvoda – Posebni zahtjevi za primjenu norme ISO 9001:2008 u odnosu na "dobru proizvođačku praksu" (DPP) (ISO/DIS 15378:2014)
- CEN/TS 16555-1:2013 en  
Innovation Management – Part 1: Innovation Management System  
Upravljanje inovacijama – 1. dio: Sustav upravljanja inovacijama
- ISO /TS 17582:2014 en  
Quality management systems – Particular requirements for the application of ISO 9001:2008 for electoral organizations at all levels of government  
Sustavi upravljanja kvalitetom – Posebni zahtjevi primjene ISO 9001:2008 za organizacije koje provode izbore na svim razinama državne uprave
- ISO 18091:2014 en  
Quality management systems – Guidelines for the application of ISO 9001:2008 in local government  
Sustavi upravljanja kvalitetom – Smjernice za primjenu ISO 9001:2008 u lokalnoj upravi
- ISO /TR 31004:2013 en  
Risk management – Guidance for the implementation of ISO 31000  
Upravljanje rizicima – Smjernice za primjenu ISO 31000

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

- prEN 81-73 en  
Safety rules for the construction and installation of lifts – Particular applications for passenger and goods passenger lifts – Part 73: Behaviour of lifts in the event of fire  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i teretno osobna dizala – 73. dio: Način rada dizala u slučaju požara



- prEN 1570-2 en  
Safety requirements for lifting tables – Part 2: Lifting tables serving more than 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s  
Sigurnosni zahtjevi za podizne platforme – 2. dio: Podizne platforme za opsluživanje više od 2 fiksne površine građevine, za dizanje tereta s vertikalnom brzinom koja ne prelazi 0,15 m/s
- prEN 16719 en  
Transport platforms  
Transportne platforme

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

- EN 71-3:2013/FprA1 en  
Safety of toys – Part 3: Migration of certain elements  
Sigurnost igračaka – 3. dio: Otpuštanje određenih elemenata

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

- prEN ISO 22476-9 en  
Ground investigation and testing – Field testing – Part 9: Field vane test  
Geotehničko istraživanje i ispitivanje – Terensko ispitivanje – 9. dio: Ispitivanje terenskom krilnom sondom
- prEN ISO 22476-15 en  
Geotechnical investigation and testing – Field testing – Part 15: Measuring while drilling (ISO/DIS 22476-15:2014)  
Geotehničko istraživanje i ispitivanje – Terensko ispitivanje – 15. dio: Mjerenje tijekom bušenja (ISO/DIS 22476-15:2014)
- prEN ISO 22477-10 en  
Geotechnical investigation and testing – Testing of geotechnical structures – Part 10: Testing of piles: rapid load testing (ISO/DIS 22477-10:2014)  
Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih konstrukcija – 10. dio: Ispitivanje pilota: Ispitivanje brzim opterećivanjem (ISO/DIS 22477-10:2014)

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

- prEN ISO 16278 en  
Health informatics – Categorial structure for terminologies systems of human anatomy (ISO/DIS 16278:2014)  
Medicinska informatika – Kategorijska struktura za sustave nazivlja u anatomiji čovjeka (ISO/DIS 16278:2014)

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

- ISO /FDIS 15819 en  
Cosmetics – Analytical methods – Nitrosamines: Detection and determination of N-nitrosodiethanolamine (NDELA) in cosmetics by HPLC-MS-MS  
Kozmetika – Analitičke metode – Nitrozamini: Dokazivanje i određivanje N-nitrozodietanolamina (NDELA) u kozmetičkim proizvodima HPLC-MS-MS tehnikom
- ISO /DIS 16128-1 en  
Guidelines on Technical Definitions and Criteria for Natural & Organic Cosmetic Ingredients and Products – Part 1: Definitions for Ingredients  
Smjernice za tehničke definicije i kriteriji za prirodne i organske kozmetičke sastojke i proizvode – 1. dio: Definicije sastojaka

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

- prEN 16718 en  
Wood preservatives and wood based products – Dosage of the total organic carbon (TOC) in wood and wood based products

### **HZN/TO 219, *Podne obloge***

- prEN 1471 rev en  
Textile floor coverings – Assessment of changes in appearance  
Tekstilne podne obloge – Ocjena promjene izgleda

### **HZN/TO 238, *Čvrsta biogoriva***

- prEN ISO 17829 en  
Solid Biofuels – Determination of length and diameter of pellets (ISO/DIS 17829:2014)

### **HZN/TO 502, *Plinski uređaji***

- EN 15502-2-1:2012/prA1 en  
Gas-fired central heating boilers – Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW  
Plinski kotlovi za centralno grijanje – Dio 2-1: Specifična norma za uređaje tipa C i uređaje tipa B2, B3 i B5 nazivne ulazne topline koja ne prelazi 1 000 kW

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

- prEN ISO 6892-1 en  
Metallic materials – Tensile testing – Part 1: Method of test at room temperature (ISO/DIS 6892-1:2014)  
Metalni materijali – Vlačno ispitivanje – 1. dio: Metoda ispitivanja pri sobnoj temperaturi (ISO/DIS 6892-1:2014)
- prEN ISO 14556 rev en  
Metallic materials – Charpy V-notch pendulum impact test – Instrumented test method (ISO/DIS 14556:2014)  
Metalni materijali – Ispitivanje udarnog rada loma ispitnog uzorka s V-zarezom Charpyjevim batom – Instrumentirana metoda ispitivanja (ISO/DIS 14556:2014)

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

- prEN ISO 2746 en  
Vitreous and porcelain enamels – High voltage test (ISO/DIS 2746:2014)  
Staklasti i porculanski emajli – Visokonaponsko ispitivanje (ISO/DIS 2746:2014)
- prEN 14038-1 rev en  
Electrochemical realkalization and chloride extraction treatments for reinforced concrete – Realkalization  
Elektrokemijska realkalizacija i postupci ekstrakcije klorida za armirani beton – 1. dio: Realkalizacija

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

- prEN ISO 6142-1 en  
Gas analysis – Preparation of calibration gas mixtures – Part 1: Gravimetric method for Class I mixtures (ISO/DIS 6142-1:2014)  
Analiza plina – Priprema plinskih smjesa za umjeravanje – 1. dio: Gravimetrijska metoda za smjese klase I (ISO/DIS 6142-1:2014)

FprEN ISO 17824 en  
Petroleum and natural gas industries – Downhole equipment – Sand screens (ISO 17824:2009)  
Industrija nafte i prirodnoga plina – Dubinska oprema – Pješčani filtri (ISO 17824:2009)

prEN ISO 24817 en  
Petroleum, petrochemical and natural gas industries – Composite repairs for pipework – Qualification and design, installation, testing and inspection (ISO/DIS 24817:2014)  
Industrija nafte, petrokemije i prirodnoga plina – Popravci cjevovoda kompozitima – Ocjena i proračun, izvedba, ispitivanje i inspekcija (ISO/DIS 24817:2014)

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

prEN ISO 8317 rev en  
Child-resistant packaging – Requirements and testing procedures for reclosable packages (ISO/DIS 8317:2014)  
Ambalaža koja djeci otežava otvaranje – Zahtjevi i postupci ispitivanja ambalaže za višekratno otvaranje (ISO/DIS 8317:2014)

FprEN ISO 17351 en  
Packaging – Braille on packaging for medicinal products (ISO 17351:2013)  
Ambalaža – Pismo za slijepe na ambalaži za lijekove (ISO 17351:2013)

prEN ISO 18613 rev en  
Repair of flat wooden pallets (ISO/FDIS 18613:2014)  
Popravak plošnih drvenih paleta (ISO/FDIS 18613:2014)

### **HZN/TO 509, Cestovna oprema**

prEN 1793-5 en  
Road Traffic Noise reducing devices – Test method for determining the acoustic performance – Part 5: Intrinsic characteristics – In situ values of sound reflection under direct sound field conditions  
Barijere za zaštitu od buke s cesta – Ispitne metode za određivanje akustičkih svojstava – 5. dio: Osnovne značajke – In situ vrijednosti refleksije zvuka pod izravnim utjecajem zvučnog polja

prEN 1794-3 en  
Road traffic noise reducing devices – Non-acoustic performance – Part 3: Reaction to fire – Burning behaviour of noise reducing devices and classification  
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 3. dio: Reakcija na požar – Ponašanje pri gorenju barijera za zaštitu od buke i razredba

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

prEN 1434-1 en  
Heat meters – Part 1: General requirements  
Mjerila toplinske energije – 1. dio: Opći zahtjevi

prEN 1434-2 en  
Heat meters – Part 2: Constructional requirements  
Mjerila toplinske energije – 2. dio: Konstrukcijski zahtjevi

prEN 1434-4 en  
Heat meters – Part 4: Pattern approval tests  
Mjerila toplinske energije – 4. dio: Ispitivanja prilikom odobravanja tipa

prEN 1434-5 en  
Heat meters – Part 5: Initial verification tests  
Mjerila toplinske energije – 5. dio: Ispitivanja prilikom prvog ovjeravanja

prEN 1434-6 en  
Heat meters – Part 6: Installation, commissioning, operational monitoring and maintenance  
Mjerila toplinske energije – 6. dio: Ugradnja, preuzimanje, nadzor u radu i održavanje mjerila toplinske energije

### **HZN/TO 522, Karakterizacija i zbrinjavanje otpada**

prEN 16720-1 en  
Characterization of sludges – Physical consistency – Part 1: Determination of flowability – Method by extrusion tube apparatus

prEN 16720-2 en  
Characterization of sludges – Physical consistency – Part 2: Determination of solidity – Method by pocket vane shear apparatus

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

EN 1013:2012/FprA1 en  
Light transmitting single skin profiled plastics sheets for internal and external roofs, walls and ceilings – Requirements and test methods  
Prozirne jednoslojne profilirane plastične trake za unutrašnje i vanjske krovove, zidove i stropove – Zahtjevi i metode ispitivanja

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

EN 12663-1:2010/FprA1 en  
Railway applications – Structural requirements of railway vehicle bodies – Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons)  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 1. dio: Lokomotive i putnička željeznička vozila (i alternativna metoda za teretne vagona)

EN 13146-1:2012/FprA1 en  
Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 1. dio: Određivanje otpora uzdužnomu pomicanju tračnice

EN 13146-4:2012/FprA1 en  
Railway applications – Track – Test methods for fastening systems – Part 4: Effect of repeated loading  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 4. dio: Utjecaj ponavljanja opterećenja

prEN 13803 rev en  
Railway applications – Track – Track alignment design parameters – Track gauges 1435 mm and wider  
Oprema za željeznice – Željeznički gornji ustroj – Parametri za projektiranje geometrije kolosijeka – Širine kolosijeka 1435 mm i više

prEN 14730-1 rev en  
Railway applications – Track – Aluminothermic welding of rails – Part 1: Approval of welding processes  
Oprema za željeznice – Željeznički gornji ustroj – Aluminotermijsko zavarivanje tračnica – 1. dio: Odobravanje postupaka zavarivanja

FprEN 14752 en  
Railway applications – Bodyside Entrance Systems for rolling stock  
Oprema za željeznice – Sustavi bočnog ulazanja za željeznička vozila

- prEN 16186-3 en  
Railway applications – Driver's cab – Part 3: Design of displays  
Oprema za željeznice – Upravljačnica – 3. dio: Projektiranje zaslona
- prEN 16272-4 en  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 4: Intrinsic characteristics – In situ values of sound diffraction under direct sound field conditions  
Oprema za željeznice – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 4. dio: Unutarnja svojstva – In situ vrijednosti difrakcije zvuka pod izravnim utjecajem zvučnog polja
- FprEN 16273 en  
Railway applications – Track – Forged rail transitions
- prEN 16704-2-1 en  
Railway applications – Track – Safety protection on the track during work – Part 2-1: Common solutions and technology – Technical requirements for Track Warning Systems (TWS)
- prEN 16704-2-2 en  
Railway applications – Track – Safety protection on the track during work – Part 2-2: Common solutions and technology – Requirements for barriers
- prEN 16725 en  
Railway applications – Track – Restoration and repair of manganese crossings
- prEN 16727-2-2 en  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Non-acoustic performance – Part 2-2: Mechanical performance under dynamic loadings caused by passing trains – Calculation method  
Oprema za željeznice – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Neakustična svojstva – Dio 2-2: Mehanička svojstva pod dinamičkim opterećenjem uslijed prolaska vlakova – Metoda proračuna
- prEN 16729-1 en  
Railway applications – Infrastructure – NDT on rails in track – Part 1: Requirements for ultrasonic inspection and evaluation principles
- prEN 16730 en  
Railway applications – Track – Concrete sleepers and bearers with under sleeper pads

### **HZNTO 529, Granici, dizalice i prenosila neprekidne dobave**

- ISO 4301-2:2009 en  
Cranes – Classification – Part 2: Mobile cranes  
Granici – Podjela u pogonske skupine – 2. dio: Mobilni granici
- ISO 4306-1:2007 en  
Cranes – Vocabulary – Part 1: General  
Granici – Terminološki rječnik – 2. dio: Općenito
- ISO 4306-2:2012 en  
Cranes – Vocabulary – Part 2: Mobile cranes  
Granici – Terminološki rječnik – 2. dio: Mobilni granici
- ISO 4309:2010 en  
Cranes – Wire ropes – Care and maintenance, inspection and discard  
Granici – Čelična užad – Zaštita i održavanje, pregled i odbacivanje
- ISO 4310:2009 en  
Cranes – Test code and procedures  
Granici – Ispitna metoda i postupci
- ISO 7752-1:2010 en  
Cranes – Control layout and characteristics – Part 1: General principles  
Granici – Raspored upravljačkih elemenata i karakteristike – 1. dio: Opća načela
- ISO 7752-2:2011 en  
Cranes – Control layout and characteristics – Part 2: Basic arrangement and requirements for mobile cranes  
Granici – Raspored upravljačkih elemenata i karakteristike – 2. dio: Osnovni raspored i zahtjevi za mobilne granike
- ISO 7752-3:2013 en  
Cranes – Control layout and characteristics – Part 3: Tower cranes  
Granici – Raspored upravljačkih elemenata i karakteristike – 3. dio: Toranjski granici
- ISO 8566-1:2010 en  
Cranes – Cabins and control stations – Part 1: General  
Granici – Kabine i upravljačke postaje – 1. dio: Općenito
- ISO 8566-3:2010 en  
Cranes – Cabins and control stations – Part 3: Tower cranes  
Granici – Kabine i upravljačke postaje – 3. dio: Toranjski granici
- ISO 8686-1:2012 en  
Cranes – Design principles for loads and load combinations – Part 1: General  
Granici – Proračunska opterećenja i njihove kombinacije – 1. dio: Općenito
- ISO 9927-1:2013 en  
Cranes – Inspections – Part 1: General  
Granici – Ispitivanja – 1. dio: Općenito
- ISO 10245-1:2008 en  
Cranes – Limiting and indicating devices – Part 1: General  
Granici – Uređaji za ograničavanje i signaliziranje – 1. dio: Općenito
- ISO 10245-2:2014 en  
Cranes – Limiting and indicating devices – Part 2: Mobile cranes  
Granici – Uređaji za ograničavanje i signaliziranje – 2. dio: Mobilni granici
- ISO 10245-3:2008 en  
Cranes – Limiting and indicating devices – Part 3: Tower cranes  
Granici – Uređaji za ograničavanje i signaliziranje – 3. dio: Toranjski granici
- ISO 11660-1:2008 en  
Cranes – Access, guards and restraints – Part 1: General  
Granici – Pristup, zaštite i ograničenja – 1. dio: Općenito
- ISO 11660-3:2008 en  
Cranes – Access, guards and restraints – Part 3: Tower cranes  
Granici – Pristup, zaštite i ograničenja – 3. dio: Toranjski granici
- ISO /TS 15696:2012 en  
Cranes – List of equivalent terms  
Granici – Popis istoznačnih pojmova
- ISO 18878:2013 en  
Mobile elevating work platforms – Operator (driver) training  
Mobilne podizne platforme – Obuka rukovatelja

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

- prEN 59 en  
Glass reinforced plastics – Measurement of hardness by means of a Barcol impressor  
Plastika ojačana staklom – Mjerenje tvrdoće Barcolovim tvrdmjerom
- FprEN ISO 844 en  
Rigid cellular plastics – Determination of compression properties (ISO/FDIS 844:2014)  
Kruta pjenasta plastika – Određivanje tlačnih svojstava (ISO/FDIS 844:2014)
- FprEN ISO 3167 en  
Plastics – Multipurpose test specimens (ISO/FDIS 3167:2014)  
Plastika – Višenamjenski ispitci (ISO/FDIS 3167:2014)
- FprEN ISO 3949 en  
Plastics hoses and hose assemblies – Textile-reinforced types for hydraulic applications – Specification (ISO 3949:2009)  
Plastična crijeva i crijevni sklopovi – Tekstilom ojačane vrste za hidraulične primjene – Specifikacija (ISO 3949:2009)
- prEN ISO 4590 rev en  
Rigid cellular plastics – Determination of the volume percentage of open cells and of closed cells (ISO/DIS 4590:2014)  
Kruta pjenasta plastika – Određivanje volumnog udjela otvorenih i zatvorenih ćelija (ISO/DIS 4590:2014)
- prEN ISO 4892-1 en  
Plastics – Methods of exposure to laboratory light sources – Part 1: General guidance (ISO/DIS 4892-1:2014)  
Plastika – Metode izlaganja izvorima svjetla u laboratoriju – 1. dio: Opće upute (ISO/DIS 4892-1:2014)
- FprEN ISO 6806 en  
Rubber hoses and hose assemblies for use in oil burners – Specification (ISO/FDIS 6806:2014)  
Gumena crijeva i crijevni uređaji za upotrebu u naftnim plamenicima – Specifikacija (ISO/FDIS 6806:2014)
- FprEN ISO 8330 en  
Rubber and plastics hoses and hose assemblies – Vocabulary (ISO/FDIS 8330:2014)  
Gumena i plastična crijeva i crijevni sklopovi – Terminološki rječnik (ISO/FDIS 8330:2014)
- FprEN ISO 11357-4 en  
Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity (ISO/FDIS 11357-4:2014)  
Plastika – Diferencijalna pretražna kalorimetrija – 4. dio: Određivanje specifičnog toplinskog kapaciteta (ISO/FDIS 11357-4:2014)
- prEN ISO 11357-7 en  
Plastics – Differential scanning calorimetry (DSC) – Part 7: Determination of crystallization kinetics (ISO/DIS 11357-7:2014)  
Plastika – Diferencijalna pretražna kalorimetrija – 7. dio: Određivanje kinetike kristalizacije (ISO/DIS 11357-7:2014)
- FprEN ISO 11403-3 en  
Plastics – Acquisition and presentation of comparable multipoint data – Part 3: Environmental influences on properties (ISO/FDIS 11403-3:2014)  
Plastika – Prikupljanje i prikaz usporedivih podataka većeg broja mjerenja u širem ispitnom području – 3. dio: Utjecaj okoline na svojstva (ISO/FDIS 11403-3:2014)

- prEN 15534-6 en  
Composites made from cellulose-based materials and thermoplastics (usually called wood-polymer composites (WPC) or natural fibre composites (NFC)) – Part 6: Specifications for fencing profiles and systems
- prEN ISO 19062-1 en  
Plastics – Acrylonitrile-butadiene-styrene (ABS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 19062-1:2014)
- prEN ISO 19063-1 en  
Plastics – Impact-resistant polystyrene (PS-I) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 19063-1:2014)
- prEN ISO 19064-1 en  
Plastics – Styrene/acrylonitrile (SAN) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 19064-1:2014)
- EN ISO 28017:2011/prA1 en  
Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications – Specification (ISO 28017:2011/DAM 1:2014)  
Gumena crijeva i crijevni pribori ojačani žicom ili tekstilom za primjene u jaruženju – Specifikacija (ISO 28017:2011/DAM 1:2014)

## HZN/TO 533, *Kolničke konstrukcije*

- prEN 14227-15 en  
Hydraulically bound mixtures – Specifications – Part 15: Hydraulically stabilized soils  
Mješavine vezane hidrauličnim vezivom – Specifikacije – 15. dio: Tla stabilizirana hidrauličnim vezivom

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

- EN 14116:2012/FprA1 en  
Tanks for transport of dangerous goods – Digital interface for product recognition devices for liquid fuels  
Spremnici za prijevoz opasnih tvari – Digitalno sučelje uređaja za prepoznavanje proizvoda za tekuća goriva

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

- prEN 12453 rev en  
Industrial, commercial and garage doors and gates – Safety in use of power operated doors – Requirements  
Industrijska, komercijalna, garažna i ostala ulazna vrata – Sigurnost pri upotrebi strojno pogonjenih vrata – Zahtjevi
- prEN 12604 rev en  
Industrial, commercial and garage doors and gates – Mechanical aspects – Requirements and test methods  
Industrijska, komercijalna, garažna i ostala ulazna vrata – Mehanička gledišta – Zahtjevi i metode ispitivanja
- EN 13126-5:2011/FprA1:2014 en  
Building hardware – Hardware for windows and door height windows – Requirements and test methods – Part 5: Devices that restrict the opening of windows and door height windows  
Građevni okovi – Okovi za prozore i prozorska vrata – Zahtjevi i metode ispitivanja – 5. dio: Naprave za ograničavanje otvaranja prozora i prozorskih vrata



prEN 14351-2 en  
Windows and doors – Product standard, performance characteristics – Part 2: Internal pedestrian doorsets without resistance to fire and /or smoke leakage characteristics  
Prozori i vrata – Norma za proizvod, izvedbene značajke – 2. dio: Unutarnja pješačka vrata bez otpornosti na požar i/ili propuštanje dima

FprEN 16034 en  
Pedestrian doorsets, industrial, commercial, garage doors and openable windows – Product standard, performance characteristics – Fire resisting and/or smoke control characteristics  
Vrata za pješake, industrijska, komercijalna, garažna vrata i prozori koji se mogu otvarati – Norma za proizvod, izvedbene značajke – Otpornost na požar i/ili kontrola propusnosti dima

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

prEN 1657 rev en  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area – Test method and requirements (phase 2, step 1)  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterini – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

prEN 14885 en  
Chemical disinfectants and antiseptics – Application of European Standards for chemical disinfectants and antiseptics  
Kemijski dezinficijensi i antiseptici – Primjena europskih norma za kemijske dezinficijense i antiseptike

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

prEN 488 en  
District heating pipes – Preinsulated bonded pipe systems for directly buried hot water networks – Steel valve assembly for steel service pipes, polyurethane thermal insulation and outer casing of polyethylene  
Cijevi za daljinsko grijanje – Sustavi predizoliranih cijevi za ukopane vrelovodne mreže – Sklop čeličnoga zapornog elementa za čelične cijevi s poliuretanskom toplinskom izolacijom i polietilenskom vanjskom ovojnicom

prEN ISO 16891 en  
Test methods for evaluating degradation of properties of cleanable filter media (ISO/DIS 16891:2014)  
Metode ispitivanja za vrednovanje pogoršanja svojstava filterarskih medija koji se mogu čistiti (ISO/DIS 16891:2014)

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

prEN ISO 2320 rev en  
Fasteners – Prevailing torque type steel nuts – Mechanical and performance properties (ISO/DIS 2320:2014)  
Spojni elementi – Čelične matice osigurane od odvijanja – Mehanička i funkcionalna svojstva (ISO/DIS 2320:2014)

prEN ISO 10484 rev en  
Fasteners – Widening test on nuts (ISO/DIS 10484:2014)  
Spojni elementi – Ispitivanje matica proširivanjem (ISO/DIS 10484:2014)

FprEN ISO 10664 rev en  
Hexalobular internal driving feature for bolts and screws  
Značajke šesterokrakog upusta za ključ na vijcima

FprEN 14399-1 en  
High strength structural bolting assemblies for preloading – Part 1: General requirements  
Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 1. dio: Opći zahtjevi

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

FprEN 12926 en  
Chemicals used for treatment of water intended for human consumption – Sodium peroxodisulfate  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Natrijev peroksodisulfat

FprEN 12931 en  
Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Sodium dichloroisocyanurate, anhydrous  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kemikalije koje se upotrebljavaju u izvanrednim situacijama – Bezvodni natrijev diklorizocijanurat

FprEN 12932 en  
Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Sodium dichloroisocyanurate, dihydrate  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kemikalije koje se upotrebljavaju u izvanrednim situacijama – Natrijev diklorizocijanurat dihidrat

FprEN 12933 en  
Chemicals used for treatment of water intended for human consumption – Chemicals for emergency use – Trichloroisocyanuric acid  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Kemikalije koje se upotrebljavaju u izvanrednim situacijama – Triklorizocijanuratna kiselina

FprEN 13194 en  
Chemicals used for treatment of water intended for human consumption – Acetic Acid  
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Octena kiselina

EN 16070:2014 en  
Products used for treatment of water intended for human consumption – Natural zeolite  
Proizvodi koji se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Prirodni zeolit

EN 16146:2012/FprA1 en  
Sanitary tapware – Extractable shower hoses for sanitary tapware for supply systems type 1 and type 2 – General technical specification  
Sanitarne armature – Izvlačeća crijeva za tuš za sanitarne armature za vodoopskrbne sustave tipa 1 i tipa 2 – Opća tehnička specifikacija

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

ISO 13822:2010 en  
Bases for design of structures – Assessment of existing structures  
Osnove projektiranja konstrukcija – Ocjenjivanje postojećih konstrukcija

EN 16309:2014/FprA1 en  
Sustainability of construction works – Assessment of social performance of buildings – Calculation methodology  
Održivost građevina – Ocjenjivanje društvenih svojstava zgrada – Metode proračuna

ISO 22111:2007 en  
Bases for design of structures – General requirements  
Osnove projektiranja konstrukcija – Opći zahtjevi

### **HZN/TO 553, *Predgotovljeni proizvodi***

prEN ISO 10545-13 rev en  
Ceramic tiles – Main element – Part 13: Determination of chemical resistance (ISO/DIS 10545-13:2014)  
Keramičke pločice --Glavni element – 13. dio: Određivanje otpornosti na kemikalije (ISO/DIS 10545-13:2014)

prEN ISO 10545-14 rev en  
Ceramic tiles – Part 14: Determination of resistance to stains (ISO/DIS 10545-14:2014)  
Keramičke pločice – 14. dio: Određivanje otpornosti na mrlje (ISO/DIS 10545-14:2014)

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

FprCEN ISO/TS 13004 en  
Sterilization of health care products – Radiation – Substantiation of selected sterilization dose: Method VDmaxSD (ISO/TS 13004:2013)  
Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – Potvrđivanje izabrane doze za sterilizaciju: Metoda VDmaxSD (ISO/TS 13004:2013)

prEN ISO 15883-7 en  
Washer-disinfectors – Part 7: Invasive, non-critical thermolabile medical devices and healthcare equipment (ISO/DIS 15883-7:2014)  
Uređaji za pranje i dezinfekciju – 7. dio: Invazivni, nerizični, termolabilni medicinski uređaji i oprema za zdravstvenu skrb (ISO/DIS 15883-7:2014)

prEN ISO/IEC 80369-5 en  
Small-bore connectors for liquids and gases in healthcare applications – Part 5: Connectors for limb cuff inflation applications (IEC 80369-5)  
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 5. dio: Spojnici za primjenu s manšetama na napuhavanje za udove (IEC 80369-5)

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

prEN 13634 en  
Protective footwear for motorcycle riders – Requirements and test methods  
Zaštitna obuća za vozače motocikla – Zahtjevi i metode ispitivanja

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

prEN ISO 15848-1 en  
Industrial valves – Measurement, test and qualification procedures for fugitive emissions – Part 1: Classification system and qualification procedures for type testing of valves (ISO/DIS 15848-1:2014)  
Industrijski zaporni uređaji – Mjerenje, ispitivanje i kvalifikacija postupaka za propuštanje – 1. dio: Razredbeni sustav i kvalifikacija postupaka za ispitivanje tipa zapornih uređaja (ISO/DIS 15848-1:2014)

prEN ISO 15848-2 en  
Industrial valves – Measurement; test and qualification procedures for fugitive emissions – Part 2: Production acceptance test of valves (ISO/DIS 15848-2:2014)

Industrijski zaporni uređaji – Mjerenje, ispitivanje i kvalifikacija postupaka za propuštanje – 2. dio: Proizvodno ispitivanje za prihvatanje zapornih uređaja (ISO/DIS 15848-2:2014)

prEN 16722 en  
Industrial valves – End-to-end and centre-to-end dimensions for valves with screwed ends

prEN ISO 17292 rev en  
Metal ball valves for petroleum; petrochemical and allied industries (ISO/DIS 17292:2014)  
Metalne kuglaste slavine za naftnu, petrokemijsku i srodne industrije (ISO/DIS 17292:2014)

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

FprEN ISO 105-B02 en  
Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO/FDIS 105-B02:2014)  
Tekstil – Ispitivanje postojanosti obojenja – Dio B02: Postojanost obojenja na umjetno svjetlo: ispitivanje na blijeđenje Xenon lampom (ISO/FDIS 105-B02:2014)

prEN ISO 137 en  
Wool – Determination of fibre diameter – Projection microscope method (ISO/DIS 137:2014)  
Vuna – Određivanje promjera vlakna – Metoda projekcijskog mikroskopa (ISO/DIS 137:2014)

FprEN ISO 6938 en  
Textiles – Natural fibres – Generic names and definitions (ISO 6938:2012)

FprEN ISO 11092 en  
Textiles – Physiological effects – Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO/FDIS 11092:2014)  
Tekstil – Fiziološka svojstva – Mjerenje toplinske otpornosti i propusnosti vodene pare u stacionarnom stanju (ispitivanje s vlažnom vrućom pločom) (ISO/FDIS 11092:2014)

prEN ISO 12947-2 en  
Textiles – Determination of the abrasion resistance of fabrics by the Martindale method – Part 2: Determination of specimen breakdown (ISO/DIS 12947-2:2014)  
Tekstil – Određivanje otpornosti na habanje plošnog tekstila metodom po Martindaleu – 2. dio: Određivanje prekida uzorka (ISO/DIS 12947-2:2014)

prEN ISO 16373-1 en  
Textiles – Dyestuffs – Part 1: General principles of testing coloured textiles for dyestuff identification (ISO/DIS 16373-1:2014)

prEN 16711-1 en  
Textiles – Determination of metal content – Part 1: Determination of metals using microwave digestion

prEN 16711-2 en  
Textiles – Determination of metal content – Part 2: Determination of metals extracted by acidic artificial perspiration solution

prEN 16732 en  
Slide (zip) fasteners – Specification

prEN ISO 18254 en  
Textiles – Method for the detection and determination of alkylphenoethoxylates (APEO) (ISO/DIS 18254:2014)

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

- prEN 1440 en  
LPG equipment and accessories – Transportable refillable welded and brazed steel Liquefied Petroleum Gas (LPG) cylinders – Periodic inspection  
Oprema i pribor za UNP – Prenosive, ponovno punjive, zavarene i zalemljene čelične boce za ukapljeni naftni plin (UNP) – Periodični pregled
- prEN 12952-1 rev en  
Water-tube boilers and auxiliary installations – Part 1: General  
Vodocijevni kotlovi i pomoćne instalacije – 1. dio: Općenito
- FprEN 13175 en  
LPG Equipment and accessories – Specification and testing for Liquefied Petroleum Gas (LPG) pressure vessel valves and fittings  
Oprema i pribor za UNP – Specifikacija i ispitivanje ventila i spojnika tlačnih posuda za ukapljeni naftni plin (UNP)
- EN 13445-1:2009/FprA2 en  
Unfired pressure vessels – Part 1: General  
Neložene tlačne posude – 1. dio: Općenito
- prEN 13445-10 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
- EN 13480-4:2012/prA2 en  
Metallic industrial piping – Part 4: Fabrication and installation  
Metalni industrijski cjevovodi – 4. dio: Izrada i ugradnja
- EN 13480-5:2012/prA2 en  
Metallic industrial piping – Part 5: Inspection and testing  
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje
- prEN 16728 en  
LPG equipment and accessories – Transportable refillable LPG cylinders other than welded and brazed steel cylinders – Periodic inspection  
Oprema i pribor za UNP – Prenosive, ponovno punjive boce za UNP osim zavarenih i zalemljenih čeličnih boca – Periodični pregled
- prEN ISO 17871 en  
Gas cylinders – Quick opening valves – Specification and type testing (ISO/DIS 17871:2014)  
Plinske boce – Brzootvarajući ventili – Specifikacija i ispitivanje tipa (ISO/DIS 17871:2014)

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

- prEN 12779 en  
Safety of woodworking machines – Chip and dust extraction systems with fixed installation – Safety requirements
- prEN ISO 16089 en  
Machine tools – Safety – Stationary grinding machines (ISO/DIS 16089:2014)
- prEN ISO 16093 en  
Machine tools – Safety – Sawing machines for cold metal (ISO/DIS 16093:2014)
- prEN ISO 18217 en  
Safety of woodworking machines – Edge-banding machines fed chain(s) (ISO/DIS 18217:2014)

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

- prEN ISO 13850 rev en  
Safety of machinery – Emergency stop – Principles for design (ISO/DIS 13850:2014)  
Sigurnost strojeva – Zaustavljanje u nuždi – Načela za projektiranje (ISO/DIS 13850:2014)
- prEN ISO 14122-4 en  
Safety of machinery – Permanent means of access to machinery – Part 4: Fixed ladders (ISO/DIS 14122-4:2014)  
Sigurnost strojeva – Trajni način prilaza strojevima – 4. dio: Nepomične ljestve (ISO/DIS 14122-4:2014)

## **HZN/TO 564, *Uljarice, biljna i životinjska ulja i masti***

- prEN ISO 12966-4 en  
Animal and vegetable fats and oils – Determination of methyl esters of fatty acids – Part 4: Capillary gas chromatographic method (ISO/DIS 12966-4:2014)  
Životinjske i biljne masti i ulja – Određivanje metilnih estera masnih kiselina – 4. dio: Metoda plinske kromatografije na kapilarnim kolonama (ISO/DIS 12966-4:2014)

## **HZN/TO 568, *Analize hrane - Horizontalne metode***

- prEN ISO 17604 en  
Microbiology of food and animal feed – Carcass sampling for microbiological analysis (ISO/DIS 17604:2014)  
Mikrobiologija hrane i hrane za životinje – Uzorkovanje životinjskih trupova za mikrobiološke analize (ISO/DIS 17604:2014)

## **HZN/TO 570, *Sustavi upravljanja energijom***

- prEN 16247-5 en  
Energy audits – Part 5: Competence of energy auditors

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

- prEN 16716 en  
Mountaineering equipment – Avalanche airbag systems – Safety requirements and test methods

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

- FprEN 62559-2:2014 en  
Use case methodology – Part 2: Definition of use case template, actor list and requirement list (IEC 62559-2:201X)  
Metodologija slučaja upotrebe – 2. dio: Definicija predloška slučaja upotrebe, popis sudionika i popis zahtjeva (IEC 62559-2:201X)

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

- FprEN 60310:2014 en  
Railway applications – Traction transformers and inductors on board rolling stock (IEC 60310:201X)  
Željezničke primjene – Vučni transformatori i prigušnice u željezničkim vozilima (IEC 60310:201X)

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

- prEN 50620:2014 en  
Electric cables – Charging cables for electric vehicles

## HZN/TO E23, *Električni instalacijski pribor*

- EN 61008-1:2012/FprA1:2014 en  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules (IEC 61008-1:2010/am1:2012, MOD)  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične primjene (RCCB-i) – 1. dio: Opća pravila (IEC 61008-1:2010/am1:2012, MOD)
- EN 61008-1:2012/FprA2:2014 en  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules (IEC 61008-1:2010/am2:2013, MOD)  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične primjene (RCCB-i) – 1. dio: Opća pravila (IEC 61008-1:2010/am2:2013, MOD)
- EN 61009-1:2012/FprA1:2014 en  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules (IEC 61009-1:2010/am1:2012; MOD)  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične uporabe (RCBO-i) – 1. dio: Opća pravila (IEC 61009-1:2010/am1:2012; MOD)
- EN 61009-1:2012/FprA2:2014 en  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) – Part 1: General rules (IEC 61009-1:2010/A2:2013, MOD)  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične uporabe (RCBO-i) – 1. dio: Opća pravila (IEC 61009-1:2010/A2:2013, MOD)
- EN 62019:1999/FprAB:2014 en  
Electrical accessories – Circuit-breakers and similar equipment for household use – Auxiliary contact units  
Električni pribor – Instalacijski prekidači i slična oprema za kućansku upotrebu – Pomoćne kontaktne jedinice

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

- FprEN 60598-2-5:2014 en  
Luminaires – Part 2-5: Particular requirements – Floodlights (IEC 60598-2-5:201X)  
Svjetiljke – Dio 2-5: Posebni zahtjevi – Reflektori (IEC 60598-2-5:201X)

## HZN/TO E45, *Nuklearna instrumentacija*

- prEN 60987 en  
Nuclear power plants – Instrumentation and control important to safety – Hardware design requirements for computer-based systems (IEC 60987:2007+am1:2013)  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Projektni zahtjevi za hardver računalnog sustava (IEC 60987:2007+am1:2013)
- prEN 62241 en  
Nuclear power plants – Main control room – Alarm functions and presentation (IEC 62241:2004)

## HZN/TO E55, *Žice za namote*

- EN 60851-2:2009/FprA1:2014 en  
Winding wires – Test methods – Part 2: Determination of dimensions (IEC 60851-2:2009/am1:201X)

Žice za namote – Ispitne metode – 2. dio:  
Određivanje dimenzija  
(IEC 60851-2:2009/am1:201X)

## HZN/TO E56, *Pouzdanost*

- FprEN 62740:2014 en  
Root Cause Analysis (RCA) (IEC 62740:201X)
- FprEN 62741:2014 en  
Guide to the demonstration of dependability requirements – The dependability case (IEC 62741:201X)

## HZN/TO E59, *Uporabne značajke električnih kućanskih aparata*

- FprEN 60312-2:2014 en  
Vacuum cleaners for household use – Part 2: Wet carpet cleaning appliances – Methods for measuring the performance (IEC 60312-2:201X)

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

- EN 60335-1:2012/FprAD:2014 en  
Household and similar electrical appliances – Safety – Part 1: General requirements  
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi
- EN 60335-2-101:2002/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-101: Particular requirements for vaporizers (IEC 60335-2-101:2002/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-101: Posebni zahtjevi za isparivalice (IEC 60335-2-101:2002/am2:201X)
- FprEN 60335-2-111:2014 en  
Household and similar electrical appliances – Safety – Part 2-111: Particular requirements for electric ondol mattress with a non-flexible heated part (IEC 60335-2-111:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-111: Posebni zahtjevi za madrace s nesavjetljivim grijačima (IEC 60335-2-111:201X)
- EN 60335-2-24:2010/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers (IEC 60335-2-24:2010/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-24: Posebni zahtjevi za hladnjake, ledenice, sladoledarice i ledarice (IEC 60335-2-24:2010/am2:201X)
- EN 60335-2-24:2010/FprAA:2014 en  
Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers  
Kućanski i slični električni aparati – Sigurnost – Dio 2-24: Posebni zahtjevi za hladnjake, ledenice, sladoledarice i ledarice
- EN 60335-2-34:2013/FprA1:2014 en  
Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors (IEC 60335-2-34:2012/am1:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-34: Posebni zahtjevi za motorne kompresore (IEC 60335-2-34:2012/am1:201X)
- EN 60335-2-56:2003/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-56: Particular requirements for projectors and similar appliances (IEC 60335-2-56:2002/am2:201X)



- Kućanski i slični električni aparati – Sigurnost – Dio 2-56: Posebni zahtjevi za projektore i slične aparate (IEC 60335-2-56:2002/am2:201X)
- EN 60335-2-58:2005/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-58: Particular requirements for commercial electric dishwashing machines (IEC 60335-2-58:2002/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-58: Posebni zahtjevi za ugostiteljske električne perilice posuda (IEC 60335-2-58:2002/am2:201X)
- EN 60335-2-65:2003/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances (IEC 60335-2-65:2002/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-65: Posebni zahtjevi aparata za pročišćavanje zraka (IEC 60335-2-65:2002/am2:201X)
- FprEN 60335-2-80:2014 en  
Household and similar electrical appliances – Safety – Part 2-80: Particular requirements for fans (IEC 60335-2-80:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-80: Posebni zahtjevi za ventilatore (IEC 60335-2-80:201X)
- FprEN 60335-2-81:2014 en  
Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats (IEC 60335-2-81:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-81: Posebni zahtjevi za grijalice nogu i tople hasure (IEC 60335-2-81:201X)
- EN 60335-2-82:2003/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-82: Particular requirements for amusement machines and personal service machines (IEC 60335-2-82:2002/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-82: Posebni zahtjevi za zabavne i osobne prodajne automate (IEC 60335-2-82:2002/am2:201X)
- EN 60335-2-89:2010/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor (IEC 60335-2-89:2010/am2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-89: Posebni zahtjevi za komercijalne rashladne aparate s ugrađenim ili udaljenim kondenzatorom ili kompresorom (IEC 60335-2-89:2010/am2:201X)
- EN 60601-2-54:2009/FprA1:2014 en  
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/am1:201X)  
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/am1:201X)
- EN 62115:2005/FprAC:2014 en  
Electric toys – Safety  
Električne igračke – Sigurnost
- HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa**
- FprEN 60534-2-3:2014 en  
Industrial-process control valves – Part 2-3: Flow capacity – Test procedures (IEC 60534-2-3:201X)  
Regulacijski ventili za industrijske procese – Dio 2-3: Protočni kapacitet – Postupci ispitivanja (IEC 60534-2-3:201X)
- FprEN 60534-8-4:2014 en  
Industrial-process control valves – Part 8-4: Noise considerations – Prediction of noise generated by hydrodynamic flow (IEC 60534-8-4:201X)  
Regulacijski ventili za industrijske procese – Dio 8-4: Razmatranje buke – Predviđanje buke generirane hidrodinamičkim protokom (IEC 60534-8-4:201X)
- FprEN 61804-4:2014 en  
Function blocks (FB) for process control – Part 4: EDD interpretation (IEC 61804-4:201X)  
Funkcijski blokovi (FB) za vođenje procesa i jezik za opis elektroničkih uređaja (EDDL) – 4. dio: Tumačenje opisa elektroničkih uređaja (EDD) (IEC 61804-4:201X)
- FprEN 62541-3:2014 en  
OPC Unified Architecture – Part 3: Address Space Model (IEC 62541-3:201X)  
Specifikacija OPC Unified Architecture – 3. dio: Address Space model (IEC 62541-3:201X)
- FprEN 62541-4:2014 en  
OPC Unified Architecture – Part 4: Services (IEC 62541-4:201X)  
OPC objedinjena arhitektura – 4. dio: Usluge (IEC 62541-4:201X)
- FprEN 62541-5:2014 en  
OPC Unified Architecture – Part 5: Information Model (IEC 62541-5:201X)  
OPC objedinjena arhitektura – 5. dio: Informacijski model (IEC 62541-5:201X)
- FprEN 62541-6:2014 en  
OPC Unified Architecture – Part 6: Mappings (IEC 62541-6:201X)  
Specifikacija OPC Unified Architecture – 6. dio: Preslikavanja (IEC 62541-6:201X)
- FprEN 62541-7:2014 en  
OPC Unified Architecture – Part 7: Profiles (IEC 62541-7:201X)  
OPC objedinjena arhitektura – 7. dio: Profili (IEC 62541-7:201X)
- FprEN 62541-8:2014 en  
OPC Unified Architecture – Part 8: Data Access (IEC 62541-8:201X)  
OPC objedinjena arhitektura – 8. dio: Pristup podacima (IEC 62541-8:201X)
- FprEN 62541-9:2014 en  
OPC Unified Architecture – Part 9: Alarms and conditions (IEC 62541-9:201X)  
OPC objedinjena arhitektura – 9. dio: Alarmi i stanja (IEC 62541-9:201X)
- FprEN 62541-10:2014 en  
OPC Unified Architecture – Part 10: Programs (IEC 62541-10:201X)  
OPC objedinjena arhitektura – 10. dio: Programi (IEC 62541-10:201X)
- FprEN 62541-11:2014 en  
OPC Unified Architecture – Part 11: Historical Access (IEC 62541-11:201X)  
Specifikacija OPC Unified Architecture – 11. dio: Pristup povijesnim podacima (IEC 62541-11:201X)
- FprEN 62541-13:2014 en  
OPC Unified Architecture – Part 13: Aggregates (IEC 62541-13:201X)  
Specifikacija OPC Unified Architecture – 13. dio: Okupljanja (IEC 62541-13:201X)
- FprEN 62541-100:2014 en  
OPC Unified Architecture Specification – Part 100: Device Interface (IEC 62541-100:201X)  
Specifikacija OPC Unified Architecture – 100. dio: Sučelje uređaja (IEC 62541-100:201X)

## HZN/TO E79, Alarmni sustavi

EN 50130-4:2011/FprA1:2014 en  
Alarm systems – Part 4: Electromagnetic compatibility – Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems  
Alarmni sustavi – 4. dio: Elektromagnetska kompatibilnost – Norma porodice proizvoda – Zahtjevi za otpornost na smetnje za dijelove vatrodojavnih, protuprovalnih, protuprepadnih, TV zatvorenog kruga, kontrole pristupa i socijalnih alarmnih sustava

## HZN/TO E88, Vjetroagregati

FprEN 61400-25-3:2014 en  
Wind turbines – Part 25-3: Communications for monitoring and control of wind power plants – Information exchange models (IEC 61400-25-3:201X)  
Vjetroagregati – Dio 25-3: Komunikacije za nadzor i upravljanje vjetroelektranama – Model razmjene informacija (IEC 61400-25-3:201X)

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

FprEN 62087-1:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 1: General (IEC 62087-1:201X)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 1. dio: Općenito (TA 12) (IEC 62087-1:201X)

FprEN 62087-2:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 2: Signals and media (IEC 62087-2:201X)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 2. dio: Signali i sredstva (TA 12) (IEC 62087-2:201X)

FprEN 62087-3:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 3: Television sets (IEC 62087-3:201X)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 3. dio: Televizijski aparati (TA 12) (IEC 62087-3:201X)

FprEN 62087-4:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 4: Video recording equipment (IEC 62087-4:201X)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 4. dio: Video oprema za snimanje (TA 12) (IEC 62087-4:201X)

FprEN 62087-5:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 5: Set-top-boxes (STB) (IEC 62087-5:201X)

FprEN 62087-6:2014 en  
Audio, video, and related equipment – Determination of power consumption – Part 6 Audio Equipment (IEC 62087-6:201X)  
Audio, video i pripadajuća oprema – Određivanje potrošnje energije – 6. dio: Audio oprema (TA 12) (IEC 62087-6:201X)

FprEN 62379-3:2014 en  
Common control interface for networked digital audio and video products – Part 3: Video (TA 4) (IEC 62379-3:201X)  
Zajedničko upravljačko sučelje za umrežene digitalne audio i video proizvode – 3. dio: Video (TA 4) (IEC 62379-3:201X)

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

FprEN 50514 en  
Audio, video and information technology equipment – Routine electrical safety testing in production  
Audio i video oprema te oprema informacijske tehnologije – Uobičajeni postupci ispitivanja električne sigurnosti u proizvodnji

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

FprEN 61000-4-30:2014 en  
Electromagnetic Compatibility (EMC) – Part 4-30: Testing and measurement techniques – Power quality measurement methods (IEC 61000-4-30:201X)  
Elektromagnetska kompatibilnost (EMC) – Dio 4-30: Ispitne i mjerne tehnike – Metode mjerenja kvalitete električne energije (IEC 61000-4-30:201X)

## HZN/TO T4, Normizacija u telekomunikacijama

CEN/CLC/ETSI/TR 101 552:2014 en  
Guidance for the application of conformity assessment to accessibility requirements for public procurement of ICT products and services in Europe  
Smjernice za primjenu ocjene sukladnosti sa zahtjevima obzirom na dostupnost ICT proizvoda i usluga u javnim nabavama u Europi

ETSI/TS 101 733 V2.2.1:2013 en  
Electronic Signatures and Infrastructures (ESI) – CMS Advanced Electronic Signatures (CAAdES)  
Elektronički potpisi i infrastrukture (ESI) – Napredni elektronički potpisi u CMS-u (CAAdES)

Draft EN 300 328 V1.8.2:2014 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Wideband transmission systems – Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Širokopojasni prijenosni sustavi – Oprema za prijenos podataka koja radi u ISM pojasu 2,4 GHz s modulacijskim tehnikama širokog pojasa – Harmonizirana europska norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 468 V1.14.1:2014 en  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems  
Digitalna radijska videodifuzija (DVB) – Specifikacija za informacijsku službu (SI) u sustavima DVB

Draft EN 302 895 V1.0.0:2014 en  
Intelligent Transport Systems (ITS) – Vehicular Communications – Basic Set of Applications – Local Dynamic Map (LDM)  
Inteligentni sustavi prijevoza (ITS) – Komunikacije među vozilima – Osnovni skup primjena – Lokalna dinamička mapa (LDM)

Draft EN 303 135 V0.0.7:2014 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Coastal Surveillance, Vessel Traffic Systems and Harbour Radars (CS/VTS/HR) – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Obalni nadzor, Sustavi plovnog prometa i lučkih radara (CS/VTS/HR) – Harmonizirana europska norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

CEN/CLC/ETSI TR 101550:2014 en  
Documents relevant to EN 301 549 "Accessibility requirements suitable for public procurement of ICT products and services in Europe"  
Dokumenti relevantni za EN 301 549 „Zahtjevi s obzirom na dostupnost ICT proizvoda i usluga prikladni za javnu nabavu u Europi“

CEN/CLC/ETSI TR 101551:2014 en  
Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe  
Smjernice za primjenu kriterija dodjele ugovora koji se odnose na dostupnost ICT proizvoda i usluga u javnim nabavama u Europi

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

prEN 1573 rev en  
Bar coding – Multi industry transport label  
Crtično kodiranje – Prijevozna naljepnica za raznorodnu industriju

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

prEN ISO/IEC 17021-1 en  
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 1: Requirements  
(ISO/IEC/DIS 17021-1:2014)

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

prEN 16708 en  
Beauty Salon Services – Requirements and recommendations for the provision of service

prEN 16713-1 en  
Domestic swimming pools – Water systems – Part 1: Filtration systems – Requirements and test methods

prEN 16713-2 en  
Domestic swimming pools – Water systems – Part 2: Circulation systems – Requirements and test methods

prEN 16713-3 en  
Domestic swimming pools – Water systems – Part 3: Treatment – Requirements

FprEN ISO 22300 en  
Societal security – Terminology (ISO 22300:2012)

FprEN ISO 22301 en  
Societal security – Business continuity management systems – Requirements (ISO 22301:2012)

FprEN ISO 22311 en  
Societal security – Video-surveillance – Export interoperability (ISO 22311:2012)

FprEN ISO 22313 en  
Societal security – Business continuity management systems – Guidance (ISO 22313:2012)

### **HZN/TU I1, Strojarstvo 1**

prEN ISO 8528-13 en  
Reciprocating internal combustion engine driven alternating current generating sets – Part 13: Safety  
(ISO/DIS 8528-13:2014)

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

prEN ISO 283 rev en  
Textile conveyor belts – Full thickness tensile strength, elongation at break and elongation at the reference load – Test method (ISO/DIS 283:2014)

Tekstilne transportne trake – Prekidna čvrstoća pri punoj debljini, izduženje pri prekidu i izduženje pri referentnom opterećenju – Metoda ispitivanja  
(ISO/DIS 283:2014)

FprEN ISO 2919 en  
Radiological protection – Sealed radioactive sources – General requirements and classification  
(ISO 2919:2012)

Zaštita od zračenja – Zatvoreni izvori zračenje – Opći zahtjevi i razredba (ISO 2919:2012)

prEN ISO 7622-2 rev en  
Steel cord conveyor belts – Longitudinal traction test – Part 2: Measurement of tensile strength  
(ISO/DIS 7622-2:2014)  
Transportne trake s čeličnom užadi – Ispitivanje uzdužnim zatezanjem – Mjerenje prekidne čvrstoće  
(ISO/DIS 7622-2:2014)

prEN 12882 en  
Conveyor belts for general purpose use – Electrical and flammability safety requirements  
Transportne trake za opću upotrebu – Sigurnosni zahtjevi s obzirom na struju i zapaljivost

prEN 14973 en  
Conveyor belts for use in underground installations – Electrical and flammability safety requirements  
Transportne trake za upotrebu u podzemnim instalacijama – Sigurnosni zahtjevi s obzirom na struju i zapaljivost

prEN 15163 en  
Machines and installations for the exploitation and processing of natural stone – Safety – Requirements for diamond wire saws and diamond multi-wire saws  
Strojevi i uređaji za iskorištavanje i obradu prirodnog kamena – Sigurnosni zahtjevi za pile s dijamantnom sajлом

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

FprEN ISO 4490 rev en  
Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter)  
(ISO/FDIS 4490:2014)  
Metalni prah – Određivanje protoka pomoću umjernoga lijevka (Hallov mjerac protoka)  
(ISO/FDIS 4490:2014)

prEN ISO 4499-3 en  
Hardmetals – Metallographic determination of microstructure – Part 3: Measurement of microstructural features in Ti (C, N) and WC/Cubic Carbide Based Hardmetals (ISO/DIS 4499-3:2014)  
Tvrđi metali – Metalografsko određivanje mikrostrukture – 3. dio: Mjerenje mikrostrukturnih svojstava u tvrdim metalima na bazi Ti (C, N) i kubnih karbida WC (ISO/DIS 4499-3:2014)

prEN ISO 4499-4 en  
Hardmetals – Metallographic determination of microstructure – Part 4: Characterisation of Porosity, Carbon Defects and Eta-phase content (ISO/DIS 4499-4:2014)  
Tvrđi metali – Metalografsko određivanje mikrostrukture – 4. dio: Karakterizacija poroznosti, pogreške ugljika i sadržaja eta-faze  
(ISO/DIS 4499-4:2014)

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

prEN 16723-1 en  
Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network – Part 1: Specifications for biomethane for injection in the natural gas network

prEN 16723-2 en  
Natural gas and biomethane for use in transport and biomethane for injection in the natural gas network – Part 2: Automotive fuel specifications

## **HZNTU S1, Zdravlje, okoliš i medicinska oprema 1**

prEN ISO 3630-3 en  
Dentistry – Endodontic instruments – Part 3: Compactors: pluggers and spreaders (ISO/DIS 3630-3:2014)  
Stomatologija – Endodontski instrumenti – 3. dio: Kompaktori: nabijači i proširivači (ISO/DIS 3630-3:2014)

prEN ISO 10650 rev en  
Dentistry – Powered polymerization activators (ISO/DIS 10650:2014)  
Stomatologija – Aktivatori polimerizacije (ISO/DIS 10650:2014)

prEN ISO 13356 rev en  
Implants for surgery – Ceramic materials based on yttria-stabilized tetragonal zirconia (Y-TZP) (ISO/DIS 13356:2014)  
Kirurški implantati – Keramički materijali na bazi itrijem stabiliziranih tetragonalnih cirkonijevih polikristala (Y-TZP) (ISO/DIS 13356:2014)

prEN ISO 16408 en  
Dentistry – Oral hygiene products – Oral rinses (ISO/DIS 16408:2014)  
Stomatologija – Proizvodi za higijenu usne šupljine – Otopine za ispiranje usta (ISO/DIS 16408:2014)

prEN ISO 16409 rev en  
Dentistry – Oral hygiene products – Manual interdental brushes (ISO/DIS 16409:2014)  
Stomatologija – Proizvodi za higijenu usne šupljine – Ručne interdentalne četkice (ISO/DIS 16409:2014)

prEN ISO 17937 en  
Dentistry – Osteotome for bone compaction and sinus floor elevation (ISO/DIS 17937:2014)  
Stomatologija – Osteotom za zbijanje kosti i podizanje dna sinusa (ISO/DIS 17937:2014)

## **HZNTU S2, Zdravlje, okoliš i medicinska oprema 2**

prEN 16738 en  
Emission safety of combustible air fresheners – Test methods

prEN 16739 en  
Emission safety of combustible air fresheners – Methodology for the assessment of test results and application of recommended emission limits – Complementary element

prEN 16740 en  
Emission safety of combustible air fresheners – User safety information – Complementary element

## **HZNTU T1, Prijevoz, rukovanje materijalima i pakiranje 1**

prEN 4723 en  
Aerospace series – Standardized measurement methods for comfort and living space criteria for aircraft passenger seats

prEN 12312-12 en  
Aircraft ground support equipment – Specific requirements – Part 12: Potable water service equipment  
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 12. dio: Oprema za opskrbu pitkom vodom

prEN 12312-13 en  
Aircraft ground support equipment – Specific requirements – Part 13: Lavatory service equipment

Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 13. dio: Oprema za opskrbu sanitarnom vodom

FprEN 16602-70-08 en  
Space product assurance – Manual soldering of high-reliability electrical connections

FprEN 16602-70-09 en  
Space product assurance – Measurements of thermo-optical properties of thermal control materials

FprEN 16602-70-10 en  
Space product assurance – Qualification of printed circuit boards

FprEN 16602-70-11 en  
Space product assurance – Procurement of printed circuit boards

FprEN 16602-70-13 en  
Space product assurance – Measurements of the peel and pull-off strength of coatings and finishes using pressure-sensitive tapes

FprEN 16602-70-37 en  
Space product assurance – Determination of the susceptibility of metals to stress-corrosion cracking

FprEN 16602-70-45 en  
Space product assurance – Mechanical testing of metallic materials

FprEN 16602-70-46 en  
Space product assurance – Requirements for manufacturing and procurement of threaded fasteners

FprEN 16602-70-50 en  
Space product assurance – Particles contamination monitoring for spacecraft systems and cleanrooms

FprEN 16602-70-53 en  
Space product assurance – Materials and hardware compatibility tests for sterilization processes

FprEN 16602-70-55 en  
Space product assurance – Microbiological examination of flight hardware and cleanrooms

FprEN 16602-70-58 en  
Space product assurance – Bioburden control of cleanrooms

## **HZNTU U1, Opća elektrotehnika 1**

FprEN 60068-2-60:2014 en  
Environmental testing – Part 2-60: Tests – Test Ke: Flowing mixed gas corrosion test (IEC 60068-2-60:201X)  
Ispitivanje utjecaja okoliša – Dio 2-60: Ispitivanje – Ke ispitivanje: Korozijska ispitivanja na tekući miješani plin (IEC 60068-2-60:201X)

## **HZNTU V1, Elektronika 1**

prEN 50117-4-2:2014 en  
Coaxial cables – Part 4-2: Sectional specification for CATV cables up to 6 GHz used in cabled distribution networks

EN 50548:2011/FprA2:2014 en  
Junction boxes for photovoltaic modules

FprEN 60191-6-13:2014 en  
Mechanical standardization of semiconductor devices – Part 6-13: Design guideline of open-top type sockets for Fine-pitch Ball Grid Array and Fine-pitch Land Grid Array (FBGA/FLGA) (IEC 60191-6-13:201X)

FprEN 60793-1-20:2014 en  
Optical fibres – Part 1-20: Measurement methods and test procedures – Fibre geometry (IEC 60793-1-20:201X)



- FprEN 60793-1-43:2014 en  
Optical fibres – Part 1-43: Measurement methods – Numerical aperture measurement (IEC 60793-1-43:201X)
- FprEN 60793-2-50:2014 en  
Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50:201X)
- FprEN 60794-1-21:2014 en  
Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical tests methods (IEC 60794-1-21:201X)
- FprEN 60794-3-21:2014 en  
Optical fibre cables – Part 3-21: Outdoor cables – Product specification for optical self-supporting aerial telecommunication cables for use in premises cabling (IEC 60794-3-21:201X)
- FprEN 60904-2:2014 en  
Photovoltaic devices – Part 2: Requirements for reference solar devices (IEC 60904-2:201X)
- FprEN 61169-50:2014 en  
Radio-frequency connectors – Part 50: Sectional specifications RF coaxial connectors with inner diameter of outer conductors 4.11 mm with quick lock system – Characteristics impedance 50 Ohm (type QMA) (IEC 61169-50:201X)
- FprEN 61300-3-14:2014 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-14: Examinations and measurements – Error and repeatability of the attenuation settings of a variable optical attenuator (IEC 61300-3-14:201X)
- FprEN 61300-3-51:2014 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-51: Examinations and measurements – Gauge pin withdrawal force for rectangular ferrule multi-fibre connectors (IEC 61300-3-51:201X)
- FprEN 61338-1-5:2014 en  
Waveguide type dielectric resonators – Part 1-5: General information and test conditions – Measurement method of conductivity at interface between conductor layer and dielectric substrate at microwave frequency (IEC 61338-1-5:201X)
- EN 61730-1:2007/FprAB:2014 en  
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction  
Svojstvo sigurnosti fotonaponskog modula – 1. dio: Zahtjevi za konstrukciju (izgradnju)
- FprEN 61753-042-2:2014 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C – Controlled environments (IEC 61753-042-2:201X)
- FprEN 61755-3-31:2014 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector optical interfaces – Part 3-31: Optical interface, 8 degrees angled PC, Polyphenylene sulphide rectangular ferrule, single mode fibres (IEC 61755-3-31:201X)
- FprEN 61755-3-32:2014 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector optical interfaces – Part 3-32: Optical interface, 8 degrees angled PC; thermoset epoxy rectangular ferrule, single mode fibres (IEC 61755-3-32:201X)
- FprEN 62047-15:2014 en  
Semiconductor devices – Micro-electromechanical devices – Part 15: Test method of bonding strength between PDMS and glass (IEC 62047-15:201X)
- FprEN 62047-16:2014 en  
Semiconductor devices – Micro-electromechanical devices – Part 16: Test methods for determining residual stresses of MEMS films, wafer curvature and cantilever beam deflection methods (IEC 62047-16:201X)
- FprEN 62132-1:2014 en  
Integrated circuits – Measurement of electromagnetic immunity – Part 1: General conditions and definitions (IEC 62132-1:201X)
- FprEN 62153-4-7:2014 en  
Metallic communication cable test methods – Part 4-7: Shielded screening attenuation test method for measuring the transfer impedance ZT and the screening attenuation aS or the coupling attenuation aC of RF-Connectors and assemblies up to and above 3 GHz, Tube in tube method (IEC 62153-4-7:201X)
- FprEN 62670-2:2014 en  
Concentrator photovoltaic (CPV) performance testing – Part 2: Energy measurement (IEC 62670-2:201X)
- FprEN 62759-1:2014 en  
Transportation testing of photovoltaic (PV) modules – Part 1: Transportation and shipping of PV module stacks (IEC 62759-1:201X)

## **HZNTU W1, Energetska elektrotehnika 1**

- prEN 50291-1:2014 en  
Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements
- FprEN 60143-3:2014 en  
Series capacitors for power systems – Part 3: Internal fuses (IEC 60143-3:201X)  
Serijski kondenzatori za energetske sustave – 3. dio: Ugrađeni osigurači (IEC 60143-3:201X)
- FprEN 60358-4:2014 en  
Coupling capacitors and capacitor dividers – Part 4: AC and DC single-phase capacitor dividers and RC divider (IEC 60358-4:201X)
- FprEN 60519-1:2014 en  
Safety in installations for electroheating and electromagnetic processing – Part 1: General requirements (IEC 60519-1:201X)
- FprEN 62841-2-4:2014/FprAA:2014 en  
Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type
- FprEN 62841-2-5:2014/FprAA:2014 en  
Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 2-5: Particular requirements for hand-held circular saws
- FprEN 62841-2-9:2014 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-9: Particular requirements for hand-held tappers and threaders (IEC 62841-2-9:201X)
- FprEN 62841-2-9:2014/FprAA:2014 en  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-9: Particular requirements for hand-held tappers and threaders

FprEN 62841-3-1:2014/FprAA:2014 en  
Electric Motor-Operated Hand-Held Tools,  
Transportable Tools and Lawn and Garden  
Machinery – Safety – Part 3-1: Particular  
requirements for transportable table saws

FprEN 62841-3-6:2014/FprAA:2014 en  
Electric Motor-Operated Hand-Held Tools,  
Transportable Tools and Lawn and Garden  
Machinery – Safety – Part 3-6: Particular  
requirements for diamond drills with liquid system

## 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 5, *Metalne cijevi i priključci*

HRN EN 13555:2006 en  
Prirubnice i njihovi spojevi – Parametri brtvi i postupak ispitivanja prema pravilima projektiranja za prirubničke spojeve s kružnim prirubnicama i brtvom (EN 13555:2004)  
Flanges and their joints – Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections (EN 13555:2004)  
- zamijenjena s: HRN EN 13555:2014

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

HRN EN ISO 12625-3:2008 en  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 3. dio: Određivanje debljine papira, debljine proizvoda od tankoga upijajućeg papira (tissue) i stvarne volumne gustoće (ISO 12625-3:2005; EN ISO 12625-3:2005)  
Tissue paper and tissue products – Part 3: Determination of thickness, bulking thickness and apparent bulk density (ISO 12625-3:2005; EN ISO 12625-3:2005)  
- zamijenjena s: HRN EN ISO 12625-3:2014

HRN EN ISO 12625-7:2008 en  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira – 7. dio: Određivanje optičkih svojstava (ISO 12625-7:2007; EN ISO 12625-7:2007)  
Tissue paper and tissue products – Part 7: Determination of optical properties (ISO 12625-7:2007; EN ISO 12625-7:2007)  
- zamijenjena s: HRN EN ISO 12625-7:2014

HRN EN ISO 14453:2008 en  
Pulpe – Određivanje tvari topivih u acetonu (ISO 14453:1997; EN ISO 14453:1998)  
Pulps – Determination of acetone-soluble matter (ISO 14453:1997; EN ISO 14453:1998)  
- zamijenjena s: HRN EN ISO 14453:2014

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

HRN EN 1866:2008 en  
Mobilni vatrogasni aparati (EN 1866:2005)  
Mobile fire extinguishers (EN 1866:2005)  
- zamijenjena s: HRN EN 1866-1:2008

HRI CEN/TR 12101-4:2008 en  
Sustavi za upravljanje dimom i toplinom – 4. dio: Postavljeni SHEVS sustavi za odvođenje dima i topline (CEN/TR 12101-4:2006)  
Smoke and heat control systems – Part 4: Installed SHEVS systems for smoke and heat ventilation (CEN/TR 12101-4:2006)  
- zamijenjena s: HRI CEN/TR 12101-4:2014

HRI CEN/TR 15642:2008 en  
Jedinstveni ispitni postupci za ispitivanja prema normi EN 3-7 (CEN/TR 15642:2008)  
Unified tests procedures for the tests of EN 3-7 (CEN/TR 15642:2008)  
- zamijenjena s: HRI CEN/TR 15642:2014

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

HRN EN 1601:1999 en  
Tekući naftni proizvodi – Bezolovni motorni benzin – Određivanje spojeva organskih oksigenata i količine ukupnog kisika plinskom kromatografijom (O-FID) (EN 1601:1997)  
Liquid petroleum products – Unleaded petrol – Determination of organic oxygenate compounds and total organically bound oxygen content by gas chromatography (O-FID) (EN 1601:1997)  
- zamijenjena s: HRN EN 1601:2014

HRN EN 14078:2010 en  
Tekući naftni proizvodi – Određivanje količine metilnih estera masnih kiselina (FAME) u srednjim destilatima – Metoda infracrvene spektrometrije (EN 14078:2009)  
Liquid petroleum products – Determination of fatty methyl ester (FAME) content in middle distillates – Infrared spectrometry method (EN 14078:2009)  
- zamijenjena s: HRN EN 14078:2014

HRN EN 15751:2010 en  
Goriva za motorna vozila – Metilni esteri masne kiseline (FAME) kao gorivo i mješavine s dizelskim gorivom – Određivanje oksidacijske stabilnosti metodom ubrzane oksidacije (EN 15751:2009)  
Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method (EN 15751:2009)  
- zamijenjena s: HRN EN 15751:2014

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

HRN EN 1714:2000 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva ultrazvukom (EN 1714:1997)  
Non destructive examination of welds – Ultrasonic examination of welded joints (EN 1714:1997)  
- zamijenjena s: HRN EN ISO 17640:2012

HRN EN 1714:2000/A1:2003 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva ultrazvukom (EN 1714:1997/A1:2002)  
Non destructive examination of welds – Ultrasonic examination of welded joints (EN 1714:1997/A1:2002)  
- zamijenjena s: HRN EN ISO 17640:2012

HRN EN 1714:2000/A2:2008 en  
Nerazorno ispitivanje zavara – Ispitivanje zavarenih spojeva ultrazvukom (EN 1714:1997/A2:2003)  
Non-destructive testing of welds – Ultrasonic testing of welded joints (EN 1714:1997/A2:2003)  
- zamijenjena s: HRN EN ISO 17640:2012

- HRN CR 13259:2001 en  
Oprema za plinsko zavarivanje – Ručni i strojni industrijski plamenici za zagrijavanje i srodne postupke (CR 13259:1998)  
Gas welding equipment – Industrial manual and machine oxygen-fuel gases blowpipes for flame heating and allied processes (CR 13259:1998)  
- zamijenjena s: HRI CEN/TR 13259:2014
- HRN EN ISO 14555:2008 en  
Zavarivanje – Elektrolučno zavarivanje svornjaka za metalne materijale (ISO 14555:2006; EN ISO 14555:2006)  
Welding – Arc stud welding of metallic materials (ISO 14555:2006; EN ISO 14555:2006)  
- zamijenjena s: HRN EN ISO 14555:2014
- HRI CEN ISO/TR 15608:2008 en  
Zavarivanje – Upute za sustav razvrstavanja metalnih materijala (ISO/TR 15608:2005; CEN ISO/TR 15608:2005)  
Welding – Guidelines for a metallic materials grouping system (ISO/TR 15608:2005; CEN ISO/TR 15608:2005)  
- zamijenjena s: HRI CEN ISO/TR 15608:2014

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

- HRN ISO 690:1998 hr  
Dokumentacija – Bibliografske bilješke – Sadržaj, oblik i struktura (ISO 690:1987)  
Documentation – Bibliographic references – Content, form and structure (ISO 690:1987)  
- zamijenjena s: HRN ISO 690:2014
- HRN ISO 690-2:2007 en  
Informacije i dokumentacija – Bibliografske bilješke – 2. dio: Elektronički dokumenti i njihovi dijelovi (ISO 690-2:1997)  
Information and documentation – Bibliographic references – Part 2: Electronic documents or parts thereof (ISO 690-2:1997)  
- zamijenjena s: HRN ISO 690:2014
- HRN ISO 2788:2004 hr, en  
Dokumentacija – Smjernice za izradu i razvoj jednojezičnih tezaurusa (ISO 2788:1986)  
Documentation – Guidelines for the establishment and development of monolingual thesauri (ISO 2788:1986)  
- zamijenjena s: HRN ISO 25964-1:2014
- HRN ISO 2789:2007 en  
Informacije i dokumentacija – Međunarodna knjižnična statistika (ISO 2789:2006)  
Information and documentation – International library statistics (ISO 2789:2006)  
- zamijenjena s: HRN ISO 2789:2014
- HRN ISO 3166-2:2001 en  
Kodovi za označavanje imena država i njihovih pokrajina – 2. dio: Kodovi državnih pokrajina (ISO 3166-2:1998)  
Codes for the representation of names of countries and their subdivisions – Part 2: Country subdivision code (ISO 3166-2:1998)  
- zamijenjena s: HRN ISO 3166-2:2014
- HRN ISO 3166-3:2001 en  
Kodovi za označavanje imena država i njihovih pokrajina – 3. dio: Kodovi bivših imena država (ISO 3166-3:1999)  
Codes for the representation of names of countries and their subdivisions – Part 3: Code for formerly used names of countries (ISO 3166-3:1999)  
- zamijenjena s: HRN ISO 3166-3:2014

- HRN ISO 8459-1:2001 en  
Dokumentacija – Kazalo bibliografskih elemenata podataka – 1. dio: Računalni program za međuknjižničnu posudbu (ISO 8459-1:1988)  
Documentation – Bibliographic data element directory – Part 1: Interloan applications (ISO 8459-1:1988)  
- zamijenjena s: HRN ISO 8459:2014
- HRN ISO 8459-2:2001 en  
Informacije i dokumentacija – Kazalo bibliografskih elemenata podataka – 2. dio: Računalni program za nabavu (ISO 8459-2:1992)  
Information and documentation – Bibliographic data element directory – Part 2: Acquisitions applications (ISO 8459-2:1992)  
- zamijenjena s: HRN ISO 8459:2014
- HRN ISO 8459-3:2001 en  
Informacije i dokumentacija – Kazalo bibliografskih elemenata podataka – 3. dio: Računalni program za pronalaženje informacija (ISO 8459-3:1994)  
Information and documentation – Bibliographic data element directory – Part 3: Information retrieval applications (ISO 8459-3:1994)  
- zamijenjena s: HRN ISO 8459:2014
- HRN ISO 8459-4:2001 en  
Informacije i dokumentacija – Kazalo bibliografskih elemenata podataka – 4. dio: Računalni program za posudbu (ISO 8459-4:1998)  
Information and documentation – Bibliographic data element directory – Part 4: Circulation applications (ISO 8459-4:1998)  
- zamijenjena s: HRN ISO 8459:2014
- HRN ISO 8459-5:2004 en  
Informacije i dokumentacija – Kazalo bibliografskih elemenata podataka – 5. dio: Elementi podataka za razmjenu katalognih podataka i metapodataka (ISO 8459-5:2002)  
Information and documentation – Bibliographic data element directory – Part 5: Data elements for the exchange of cataloguing and metadata (ISO 8459-5:2002)  
- zamijenjena s: HRN ISO 8459:2014
- HRI ISO/TR 14105:2008 en  
Digitalizacija – Ljudska i organizacijska pitanja u uspješnoj primjeni upravljanja digitalizacijom (ISO/TR 14105:2001)  
Electronic imaging – Human and organizational issues for successful Electronic Image Management (EIM) implementation (ISO/TR 14105:2001)  
- zamijenjena s: HRI ISO/TR 14105:2014
- HRN ISO 15511:2011 en  
Informacije i dokumentacija – Međunarodni standardni identifikator za knjižnice i srodne ustanove (ISIL) (ISO 15511:2009)  
Information and documentation – International standard identifier for libraries and related organizations (ISIL) (ISO 15511:2009)  
- zamijenjena s: HRN ISO 15511:2014
- HRN ISO 15836:2004 en  
Informacije i dokumentacija – Dublinski osnovni skup metapodataka (ISO 15836:2003)  
Information and documentation – The Dublin Core metadata element set (ISO 15836:2003)  
- zamijenjena s: HRN ISO 15836:2014

#### **HZN/TO 54, Eterična ulja**

- HRN ISO 4716:2005 en  
Ulje vetivera (*Vetiveria zizanioides* (L.) Nash) (ISO 4716:2002)  
Oil of vetiver (*Vetiveria zizanioides* (L.) Nash) (ISO 4716:2002)  
- zamijenjena s: HRN ISO 4716:2014

HRN ISO 9841:2008 en  
Ulje miloduha (*Hyssopus officinalis* L. ssp. *officinalis*)  
(ISO 9841:2007)  
Oil of hyssop (*Hyssopus officinalis* L. ssp. *officinalis*)  
(ISO 9841:2007)  
- zamijenjena s: HRN ISO 9841:2014

### **HZN/TO 116, Uređaji i oprema za izmjenu topline**

HRN EN ISO 23553-1:2010 en  
Sigurnosni i upravljački uređaji za uljne plamenike i uređaje za izgaranje ulja – Posebni zahtjevi – 1. dio: Uređaji za isključivanje plamenika  
(ISO 23553-1:2007+Cor 1:2009; EN ISO 23553-1:2009)  
Safety and control devices for oil burners and oil-burning appliances – Particular requirements – Part 1: Shut-off devices for oil burners  
(ISO 23553-1:2007+Cor 1:2009; EN ISO 23553-1:2009)  
- zamijenjena s: HRN EN ISO 23553-1:2014

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

HRN ENV 13801:2004 en  
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Plastomeri – Preporuke za ugradnju (ENV 13801:2000)  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Thermoplastics – Recommended practice for installation (ENV 13801:2000)  
- zamijenjena s: HRI CEN/TR 13801:2014

### **HZN/TO 145, Grafički simboli**

HRN ISO 3864-1:2004 en  
Grafički simboli – Boje i znakovi sigurnosti – 1. dio: Načela oblikovanja znakova sigurnosti na radnim i javnim mjestima (ISO 3864-1:2002)  
Graphical symbols – Safety colours and safety signs – Part 1: Design principles for safety signs in workplaces and public areas (ISO 3864-1:2002)  
- zamijenjena s: HRN ISO 3864-1:2014

HRN ISO 9186-1:2008 en  
Grafički simboli – Metode ispitivanja – 1. dio: Metode ispitivanja razumljivosti (ISO 9186-1:2007)  
Graphical symbols – Test methods – Part 1: Methods for testing comprehensibility  
(ISO 9186-1:2007)  
- zamijenjena s: HRN ISO 9186-1:2014

HRN ISO 20712-3:2009 en  
Znakovi za sigurnost na vodi i zastave za sigurnost na plaži – 3. dio: Upute za uporabu  
(ISO 20712-3:2008)  
Water safety signs and beach safety flags – Part 3: Guidance for use (ISO 20712-3:2008)  
- zamijenjena s: HRN ISO 20712-3:2014

### **HZN/TO 147/PO 7, Kvaliteta vode; Mikrobiološka i biološka ispitivanja**

HRN ISO 6340:2000 en  
Kakvoća vode – Detekcija vrsta roda *Salmonella*  
(ISO 6340:1995)  
Water quality – Detection of *Salmonella* species  
(ISO 6340:1995)  
- zamijenjena s: HRN ISO 19250:2011

HRN EN ISO 9391:2002 en  
Kakvoća vode – Uzorkovanje makroavertebrata u dubokim vodama – Smjernice za primjenu kolonizacije, kvalitativnih i kvantitativnih naprava za uzorkovanje (ISO 9391:1993; EN ISO 9391:1995)  
Water quality – Sampling in deep waters for macro-invertebrates – Guidance on the use of colonization, qualitative and quantitative samplers  
(ISO 9391:1993; EN ISO 9391:1995)  
- zamijenjena s: HRN EN ISO 10870:2012

HRN EN 27828:2008 en  
Kakvoća vode – Metode biološkog uzorkovanja – Smjernice za uzorkovanje bentoskih makroavertebrata ručnom mrežom (ISO 7828:1985; EN 27828:1994)  
Water quality – Methods of biological sampling – Guidance on handnet sampling of aquatic benthic macro-invertebrates (ISO 7828:1985; EN 27828:1994)  
- zamijenjena s: HRN EN ISO 10870:2012

HRN EN 28265:2008 en  
Kakvoća vode – Izvedba i uporaba kvalitativnih naprava za uzorkovanje bentičkih makroavertebrata na stjenovitoj podlozi u plitkoj slatkoj vodi (ISO 8265:1988; EN 28265:1994)  
Water quality – Design and use of quantitative samplers for benthic macro-invertebrates on stony substrata in shallow freshwaters (ISO 8265:1988; EN 28265:1994)  
- zamijenjena s: HRN EN ISO 10870:2012

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

HRN EN 14114:2004 en  
Značajke opreme zgrada i industrijskih instalacija s obzirom na toplinu i vlagu – Proračun difuzije vodene pare – Izolacijski sustavi za hladne cijevi (EN 14114:2002)  
Hygrothermal performance of building equipment and industrial installations – Calculation of water vapour diffusion – Cold pipe insulation systems (EN 14114:2002)  
- zamijenjena s: HRN EN ISO 15758:2014

### **HZN/TO 176, Upravljanje kvalitetom i osiguravanje kvalitete**

HRN EN 1325-1:2008 en  
Upravljanje vrijednostima, analiza vrijednosti, terminološki rječnik analize djelovanja – 1. dio: Analiza vrijednosti i analiza djelovanja (EN 1325-1:1996)  
Value management, value analysis, functional analysis vocabulary – Part 1: Value analysis and functional analysis (EN 1325-1:1996)  
- zamijenjena s: HRN EN 1325:2014

HRN EN 1325-2:2008 en  
Upravljanje vrijednostima, analiza vrijednosti, terminološki rječnik analize djelovanja – 2. dio: Upravljanje vrijednostima (EN 1325-2:2004)  
Value management, value analysis, functional analysis vocabulary – Part 2: Value management (EN 1325-2:2004)  
- zamijenjena s: HRN EN 1325:2014

HRS CEN/TS 15224:2008 en  
Zdravstvene usluge – Sustavi upravljanja kvalitetom – Upute za uporabu EN ISO 9001:2000 (CEN/TS 15224:2005)  
Health services – Quality management systems – Guide for the use of EN ISO 9001:2000 (CEN/TS 15224:2005)  
- zamijenjena s: HRN EN 15224:2014



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

- HRN EN 71-2:2012 en  
Sigurnost igračkaka – 2. dio: Zapaljivost  
(EN 71-2:2011)  
Safety of toys – Part 2: Flammability (EN 71-2:2011)  
- zamijenjena s: HRN EN 71-2:2014
- HRN EN 1400:2013 en  
Proizvodi za dojenčad i malu djecu – Duge varalice  
za dojenčad i malu djecu – Sigurnosni zahtjevi i  
metode ispitivanja (EN 1400:2013)  
Child use and care articles – Soothers for babies  
and young children – Safety requirements and test  
methods (EN 1400:2013)  
- zamijenjena s: HRN EN 1400:2014
- HRN EN 16120:2013 en  
Proizvodi za dojenčad i malu djecu – Sjedalica koja  
se pričvršćuje za stolicu (EN 16120:2012)  
Child use and care articles – Chair mounted seat  
(EN 16120:2012)  
- zamijenjena s: HRN EN 16120:2014

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

- HRN EN ISO 19117:2008 en  
Geoinformacije – Prikaz (ISO 19117:2005;  
EN ISO 19117:2006)  
Geographic information – Portrayal  
(ISO 19117:2005; EN ISO 19117:2006)  
- zamijenjena s: HRN EN ISO 19117:2014

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

- HRN EN ISO 11073-10417:2012 en  
Medicinska informatika – Komunikacija među  
osobnim medicinskim uređajima – 10417. dio:  
Specijalni uređaji – Mjerač glukoze  
(ISO/IEEE 11073-10417:2010;  
EN ISO 11073-10417:2011)  
Health informatics – Personal health device  
communication – Part 10417: Device specialization  
– Glucose meter (ISO/IEEE 11073-10417:2010;  
EN ISO 11073-10417:2011)  
- zamijenjena s: HRN EN ISO 11073-10417:2014

## **HZN/TO 238, *Čvrsta biogoriva***

- HRN EN 14961-1:2010 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
1. dio: Opći zahtjevi (EN 14961-1:2010)  
Solid biofuels – Fuel specifications and classes –  
Part 1: General requirements (EN 14961-1:2010)  
- zamijenjena s: HRN EN ISO 17225-1:2014
- HRN EN 14961-2:2011 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
2. dio: Drvni peleti za ne-industrijsku uporabu  
(EN 14961-2:2011)  
Solid biofuels – Fuel specifications and classes –  
Part 2: Wood pellets for non-industrial use  
(EN 14961-2:2011)  
- zamijenjena s: HRN EN ISO 17225-2:2014
- HRN EN 14961-3:2011 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
3. dio: Drvni briketi za ne-industrijsku uporabu  
(EN 14961-3:2011)  
Solid biofuels – Fuel specifications and classes –  
Part 3: Wood briquettes for non-industrial use  
(EN 14961-3:2011)  
- zamijenjena s: HRN EN ISO 17225-3:2014
- HRN EN 14961-4:2011 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
4. dio: Drvna sječka za ne-industrijsku uporabu  
(EN 14961-4:2011)

Solid biofuels – Fuel specifications and classes –  
Part 4: Wood chips for non-industrial use  
(EN 14961-4:2011)  
- zamijenjena s: HRN EN ISO 17225-4:2014

- HRN EN 14961-5:2011 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
5. dio: Ogrjevno drvo za ne-industrijsku uporabu  
(EN 14961-5:2011)  
Solid biofuels – Fuel specifications and classes –  
Part 5: Firewood for non-industrial use  
(EN 14961-5:2011)  
- zamijenjena s: HRN EN ISO 17225-5:2014
- HRN EN 14961-6:2012 en  
Čvrsta biogoriva – Specifikacije goriva i razredi –  
6. dio: Nedrvni peleti za ne-industrijsku uporabu  
(EN 14961-6:2012)  
Solid biofuels – Fuel specifications and classes –  
Part 6: Non-woody pellets for non-industrial use  
(EN 14961-6:2012)  
- zamijenjena s: HRN EN ISO 17225-6:2014

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

- HRI CEN/TR 10261:2009 en  
Željezni ljevi i čelik – Pregled pogodnih metoda za  
kemijsku analizu (CEN/TR 10261:2008)  
Iron and steel – Review of available methods of  
chemical analysis (CEN/TR 10261:2008)  
- zamijenjena s: HRI CEN/TR 10261:2014
- HRI CEN/TR 10317:2010 en  
Europski potvrđeni referentni materijali  
(EURONORM-CRMs) za određivanje kemijskog  
sastava proizvoda iz željeznog ljeva i čelika pod  
pokroviteljstvom Europskog odbora za normizaciju  
željeznog ljeva i čelika (ECISS)  
(CEN/TR 10317:2009)  
European certified reference materials  
(EURONORM-CRMs) for the determination of the  
chemical composition of iron and steel products  
prepared under the auspices of the European  
Committee for Iron and Steel Standardization  
(CEN/TR 10317:2009)  
- zamijenjena s: HRI CEN/TR 10317:2014
- HRI CEN/TR 10350:2010 en  
Analiza čelika i željeznih ljevova – Interni  
laboratorijski postupak za provjeru točnosti analitičke  
metode pomoću potvrđenih referentnih materijala  
(CEN/TR 10350:2009)  
Analysis of steels and irons – Internal laboratory  
procedure for checking the accuracy of an analytical  
method by using Certified Reference Materials  
(CEN/TR 10350:2009)  
- zamijenjena s: HRI CEN/TR 10350:2014

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

- HRN EN 12732:2014 en  
Plinska infrastruktura – Zavarivanje čeličnih cijevi –  
Funkcionalni zahtjevi (EN 12732:2013)  
Gas infrastructure – Welding steel pipework –  
Functional requirements (EN 12732:2013)  
- zamijenjena s: HRN EN 12732:2014

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

- HRN EN ISO 11960:2012 en  
Industrija nafte i prirodnog plina – Čelične cijevi, koje  
se upotrebljavaju kao kesing ili tubing za bušotine  
(ISO 11960:2011; EN ISO 11960:2011)  
Petroleum and natural gas industries – Steel pipes  
for use as casing or tubing for wells  
(ISO 11960:2011; EN ISO 11960:2011)  
- zamijenjena s: HRN EN ISO 11960:2014

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

- HRN ISO 3394:2004 en  
Dimenzije krute pravokutne ambalaže – Transportna ambalaža (ISO 3394:1984)  
Dimensions of rigid rectangular packages – Transport packages (ISO 3394:1984)  
- zamijenjena s: HRN ISO 3394:2014
- HRN ISO 3676:2001 en  
Ambalaža – Veličine jediničnih tereta – Dimenzije (ISO 3676:1983)  
Packaging – Unit loads sizes – Dimensions (ISO 3676:1983)  
- zamijenjena s: HRN ISO 3676:2014
- HRN ISO/TR 12776:2001 en  
Paleta – Klizne ploče (ISO/TR 12776:1995)  
Pallets – Slip sheets (ISO/TR 12776:1995)  
- zamijenjena s: HRN ISO 12776:2014
- HRN ISO 15394:2007 hr  
Pakiranje – Bar kod i dvodimenzijски simboli etiketa za otpremu, prijevoz i primitak (ISO 15394:2000)  
Packaging – Bar code and two-dimensional symbols for shipping, transport and receiving labels (ISO 15394:2000)  
- zamijenjena s: HRN ISO 15394:2014
- HRN ISO 18334:2003 en  
Paleta za rukovanje materijalom – Kvaliteta sastavljanja novih drvenih plošnih paleta (ISO 18334:2003)  
Pallets for materials handling – Quality of assembly of new, wooden, flat pallets (ISO 18334:2003)  
- zamijenjena s: HRN ISO 18334:2014
- HRN ISO 22742:2005 en  
Ambalaža – Linearni bar kod i dvodimenzionalni simboli za transportne jedinice (ISO 22742:2005)  
Packaging – Linear bar code and two-dimensional symbols for product packaging (ISO 22742:2005)  
- zamijenjena s: HRN ISO 22742:2014

## **HZN/TO 509, *Cestovna oprema***

- HRN EN 13197:2011 en  
Materijali za oznake na kolniku – Rotacijski simulator trošenja (EN 13197:2011)  
Road marking materials – Wear simulator Turntable (EN 13197:2011)  
- zamijenjena s: HRN EN 13197:2014

## **HZN/TO 522, *Karakterizacija i zbrinjavanje otpada***

- HRI CEN/TR 15522-2:2008 en  
Identifikacija izljeva nafte – Plivajuća nafta i naftni proizvodi – 2. dio: Analitičke metode i tumačenje rezultata (CEN/TR 15522-2:2006)  
Oil spill identification – Waterborne petroleum and petroleum products – Part 2: Analytical methodology and interpretation of results (CEN/TR 15522-2:2006)  
- zamijenjena s: HRI CEN/TR 15522-2:2014

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

- HRN EN 1873:2008 en  
Montažni pribor za pokrivanje krovova – Zasebni plastični krovni svjetlarnici – Specifikacije proizvoda i metode ispitivanja (EN 1873:2005)  
Prefabricated accessories for roofing – Individual roof lights of plastics – Product specification and test methods (EN 1873:2005)  
- zamijenjena s: HRN EN 1873:2014
- HRN EN 13859-1:2010 en  
Savijljive hidroizolacijske trake – Definicije i značajke podložnih traka – 1. dio: Podložne trake za prijeklopno pokrivanje krovova (EN 13859-1:2010)

Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing (EN 13859-1:2010)  
- zamijenjena s: HRN EN 13859-1:2014

- HRN EN 13859-2:2010 en  
Savijljive hidroizolacijske trake – Definicije i značajke podložnih traka – 2. dio: Podložne trake za zidove (EN 13859-2:2010)  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 2: Underlays for walls (EN 13859-2:2010)  
- zamijenjena s: HRN EN 13859-2:2014

## **HZN/TO 526, *Bitumenska veziva***

- HRS CEN/TS 15963:2010 en  
Bitumen i bitumenska veziva – Određivanje temperature lomne žilavosti ispitivanjem savijanja u tri točke na zarezanom uzorku (CEN/TS 15963:2010)  
Bitumen and bituminous binders – Determination of the fracture toughness temperature by a three point bending test on a notched specimen (CEN/TS 15963:2010)  
- zamijenjena s: HRS CEN/TS 15963:2014

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

- HRN ISO/TR 5045:2001 en  
Mehanička prenosila neprekidne dobave – Sigurnosne oznake za trakaste konvejjere – Primjeri zaštite mjesta na kojima postoji opasnost od uklještenja (ISO/TR 5045:1979)  
Continuous mechanical handling equipment – Safety code for belt conveyors – Examples for guarding of nip points (ISO/TR 5045:1979)  
- bez zamjene
- HRN ISO/TR 5046:2001 en  
Mehanička prenosila neprekidne dobave – Sigurnosne odredbe za konvejjere i elevatore s lančanim elementima – Primjeri zaštite mjesta na kojima postoji opasnost od uklještenja (ISO/TR 5046:1977)  
Continuous mechanical handling equipment – Safety code for conveyors and elevators with chain elements – Examples for guarding of nip points (ISO/TR 5046:1977)  
- bez zamjene
- HRN ISO/TR 5047:2001 en  
Mehanička prenosila neprekidne dobave – Lančani konvejjeri s elementima za povlačenje i nošenje tereta – Primjeri zaštite od ozljeda uzrokovanih elementima za povlačenje i nošenje tereta (ISO/TR 5047:1982)  
Continuous mechanical handling equipment – Chain conveyors with bearing devices or load carriers – Examples of protection against injuries by load carriers (ISO/TR 5047:1982)  
- bez zamjene
- HRN ISO 8306:2003 en  
Granici – Mosni i portalni granici – Dopuštena odstupanja kod granika i voznih staza (ISO 8306:1985)  
Cranes – Overhead travelling cranes and portal bridge cranes – Tolerances for cranes and tracks (ISO 8306:1985)  
- bez zamjene
- HRN ISO/TR 8435:2001 en  
Mehanička prenosila neprekidne dobave – Sigurnosne odredbe za trakaste konvejjere – Primjeri zaštite mjesta uklještenja na valjcima (ISO/TR 8435:1984)

Continuous mechanical handling equipment – Safety code for belt conveyors – Examples for protection of pinch points on idlers (ISO/TR 8435:1984)  
- bez zamjene

HRN EN 15011:2012 en  
Granici – Mosni i portalni granici (EN 15011:2011)  
Cranes – Bridge and gantry cranes (EN 15011:2011)  
- zamijenjena s: HRN EN 15011:2014

### **HZNTO 531, *Plastika i guma***

HRN EN ISO 8331:2011 en  
Gumena i plastična crijeva i crijevni sklopovi  
– Smjernice za odabir, skladištenje, uporabu i održavanje (ISO 8331:2007; EN ISO 8331:2011)  
Rubber and plastics hoses and hose assemblies  
– Guidelines for selection, storage, use and maintenance (ISO 8331:2007; EN ISO 8331:2011)  
- zamijenjena s: HRN EN ISO 8331:2014

HRN ISO 11357-2:2009 en  
Plastika – Diferencijalna pretražna kalorimetrija – 2. dio: Određivanje staklišta (ISO 11357-2:1999)  
Plastics – Differential scanning calorimetry (DSC) – Part 2: Determination of glass transition temperature (ISO 11357-2:1999)  
- zamijenjena s: HRN EN ISO 11357-2:2014

HRN ISO 11357-5:2009 en  
Plastika – Diferencijalna pretražna kalorimetrija – 5. dio: Određivanje temperaturne i vremenske reakcijske krivulje, topline reakcije i stupnja konverzije (ISO 11357-5:1999)  
Plastics – Differential scanning calorimetry (DSC) – Part 5: Determination of reaction curve temperatures and times, enthalpy of reaction and degree of conversion (ISO 11357-5:1999)  
- zamijenjena s: HRN EN ISO 11357-5:2014

### **HZNTO 533, *Kolničke konstrukcije***

HRN EN 12697-7:2004 en  
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 7. dio: Određivanje gustoće uzoraka asfalta gama zrakama (EN 12697-7:2002)  
Bituminous mixtures – Test methods for hot mix asphalt – Part 7: Determination of bulk density of bituminous specimens by gamma rays (EN 12697-7:2002)  
- zamijenjena s: HRN EN 12697-7:2014

### **HZNTO 534, *Spremnici za teret***

HRN EN 14025:2008 en  
Spremnici za prijevoz opasnih tvari – Metalni tlačni spremnici – Projektiranje i konstrukcija (EN 14025:2008)  
Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and construction (EN 14025:2008)  
- zamijenjena s: HRN EN 14025:2014

HRI CEN/TR 15120:2008 en  
Spremnici za transport opasnih tvari – Upute i preporuke za utovar, prijevoz i istovar (CEN/TR 15120:2005)  
Tanks for transport of dangerous goods – Guidance and recommendations for loading, transport and unloading (CEN/TR 15120:2005)  
- zamijenjena s: HRI CEN/TR 15120:2014

### **HZNTO 537, *Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija***

HRN ISO/TR 5460:2007 en  
Tehnički crteži – Geometrijske tolerancije – Tolerancije oblika, orijentacije, smještaja i vrtnje – Načela i metode verifikacije – Smjernice (ISO/TR 5460:1985)  
Technical drawings – Geometrical tolerancing – Tolerancing of form, orientation, location and run-out – Verification principles and methods – Guidelines (ISO/TR 5460:1985)  
- bez zamjene  
HRS ENV 13005:2008 de  
Uputa za iskazivanje mjerne nesigurnosti (ENV 13005:1999)  
Leitfaden zur Angabe der Unsicherheit beim Messen (ENV 13005:1999)  
- bez zamjene

HRS CEN ISO/TS 15530-3:2008 en  
Geometrijske specifikacije proizvoda (GSP) – Trokoordinatni mjerni uređaji (TMU): Postupak za utvrđivanje mjerne nesigurnosti – 3. dio: Uporaba umjerenih izradaka ili etalona (ISO/TS 15530-3:2004; CEN ISO/TS 15530-3:2007)  
Geometrical product specifications (GPS) – Coordinate measuring machines (CMM): Technique for determining the uncertainty of measurement – Part 3: Use of calibrated workpieces or standards (ISO/TS 15530-3:2004; CEN ISO/TS 15530-3:2007)  
- zamijenjena s: HRN EN ISO 15530-3:2014

HRS CEN ISO/TS 17450-1:2008 en  
Geometrijske specifikacije proizvoda (GSP) – Opći pojmovi – 1. dio: Model za geometrijsku specifikaciju i verifikaciju (ISO/TS 17450-1:2005+Cor 1:2007; CEN ISO/TS 17450-1:2007+AC:2008)  
Geometrical product specifications (GPS) – General concepts – Part 1: Model for geometrical specification and verification (ISO/TS 17450-1:2005+Cor 1:2007; CEN ISO/TS 17450-1:2007+AC:2008)  
- zamijenjena s: HRN EN ISO 17450-1:2014

### **HZNTO 544, *Strojni elementi***

HRN EN ISO 21670:2005 en  
Šesterokutna matica s prirubnicom za zavarivanje (ISO 21670:2003; EN ISO 21670:2003)  
Hexagon weld nuts with flange (ISO 21670:2003; EN ISO 21670:2003)  
- zamijenjena s: HRN EN ISO 21670:2014

### **HZNTO 548, *Konstrukcijski eurokodovi***

HRN EN 1993-2:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi (EN 1993-2:2006)  
Eurocode 3: Design of steel structures – Part 2: Steel bridges (EN 1993-2:2006)  
- zamijenjena s: HRN EN 1993-2:2014

HRN EN 1993-2:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi (EN 1993-2:2006/AC:2009)  
Eurocode 3: Design of steel structures – Part 2: Steel Bridges (EN 1993-2:2006/AC:2009)  
- zamijenjena s: HRN EN 1993-2:2014

HRN EN 1993-2:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 2: Steel bridges – National Annex  
- zamijenjena s: HRN EN 1993-2:2014/NA:2014

HRN EN 1993-4-1:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi (EN 1993-4-1:2007)  
Eurocode 3: Design of steel structures – Part 4-1: Silos (EN 1993-4-1:2007)  
- zamijenjena s: HRN EN 1993-4-1:2014

HRN EN 1993-4-1:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi (EN 1993-4-1:2007/AC:2009)  
Eurocode 3: Design of steel structures – Part 4-1: Silos (EN 1993-4-1:2007/AC:2009)  
- zamijenjena s: HRN EN 1993-4-1:2014

HRN EN 1993-4-1:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-1: Silos – National Annex  
- zamijenjena s: HRN EN 1993-4-1:2014/NA:2014

HRN EN 1993-4-2:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici (EN 1993-4-2:2007)  
Eurocode 3: Design of steel structures – Part 4-2: Tanks (EN 1993-4-2:2007)  
- zamijenjena s: HRN EN 1993-4-2:2014

HRN EN 1993-4-2:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici (EN 1993-4-2:2007/AC:2009)  
Eurocode 3: Design of steel structures – Part 4-2: Tanks (EN 1993-4-2:2007/AC:2009)  
- zamijenjena s: HRN EN 1993-4-2:2014

HRN EN 1993-4-2:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-2: Tanks – National Annex  
- zamijenjena s: HRN EN 1993-4-2:2014/NA:2014

HRN EN 1993-4-3:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi (EN 1993-4-3:2007)  
Eurocode 3: Design of steel structures – Part 4-3: Pipelines (EN 1993-4-3:2007)  
- zamijenjena s: HRN EN 1993-4-3:2014

HRN EN 1993-4-3:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi (EN 1993-4-3:2007/AC:2009)  
Eurocode 3: Design of steel structures – Part 4-3: Pipelines (EN 1993-4-3:2007/AC:2009)  
- zamijenjena s: HRN EN 1993-4-3:2014

HRN EN 1993-4-3:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 4-3: Pipelines – National Annex  
- zamijenjena s: HRN EN 1993-4-3:2014/NA:2014

HRN EN 1993-5:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 5. dio: Piloti i žmurje (EN 1993-5:2007)  
Eurocode 3: Design of steel structures – Part 5: Piling (EN 1993-5:2007)  
- zamijenjena s: HRN EN 1993-5:2014

HRN EN 1993-5:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 5. dio: Piloti i žmurje (EN 1993-5:2007/AC:2009)  
Eurocode 3: Design of steel structures – Part 5: Piling (EN 1993-5:2007/AC:2009)  
- zamijenjena s: HRN EN 1993-5:2014

HRN EN 1993-5:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – 5. dio: Piloti i žmurje – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 5: Piling – National Annex  
- zamijenjena s: HRN EN 1993-5:2014/NA:2014

HRN EN 1993-6:2008 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza (EN 1993-6:2007)  
Eurocode 3: Design of steel structures – Part 6: Crane supporting structures (EN 1993-6:2007)  
- zamijenjena s: HRN EN 1993-6:2014

HRN EN 1993-6:2008/Ispr.1:2011 en  
Eurokod 3: Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza (EN 1993-6:2007/AC:2009)  
Eurocode 3: Design of steel structures – Part 6: Crane supporting structures (EN 1993-6:2007/AC:2009)  
- zamijenjena s: HRN EN 1993-6:2014

HRN EN 1993-6:2008/NA:2013 hr  
Eurokod 3: Projektiranje čeličnih konstrukcija – 6. dio: Konstrukcije kranskih staza – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 6: Crane supporting structures – National Annex  
- zamijenjena s: HRN EN 1993-6:2014/NA:2014

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

HRN EN 15362:2008 en  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje – Natrijev karbonat (EN 15362:2007)  
Chemicals used for treatment of swimming pool water – Sodium carbonate (EN 15362:2007)  
- zamijenjena s: HRN EN 15362:2014

HRN EN 15363:2008 en  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje – Klor (EN 15363:2007)  
Chemicals used for treatment of swimming pool water – Chlorine (EN 15363:2007)  
- zamijenjena s: HRN EN 15363:2014

HRN EN 15514:2008 en  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje – Kloridna kiselina (EN 15514:2007)  
Chemicals used for treatment of swimming pool water – Hydrochloric acid (EN 15514:2007)  
- zamijenjena s: HRN EN 15514:2014

### **HZN/TO 553, *Predgotovljeni proizvodi***

HRN EN 31:2012 en  
Umivaonici – Priključne dimenzije (EN 31:2011)  
Wash basins – Connecting dimensions (EN 31:2011)  
- zamijenjena s: HRN EN 31:2014

HRN EN 35:2003 en  
Stojeći bidei s dotokom vode iznad ruba – Priključne dimenzije (EN 35:2000)  
Pedestal bidets with over-rim supply – Connecting dimensions (EN 35:2000)  
- zamijenjena s: HRN EN 35:2014

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

HRN EN 1124-2:2008 en  
Cijevi i spojni dijelovi od uzdužno zavarenih cijevi od nehrđajućeg čelika s ravnim krajevima i naglavkom za sustave otpadnih voda – 2. dio: Sustav S; dimenzije (EN 1124-2:2007)  
Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for waste water systems – Part 2: System S; dimensions (EN 1124-2:2007)  
- zamijenjena s: HRN EN 1124-2:2014



HRN EN 14654-1:2008 en  
Upravljanje i kontrola postupka čišćenja ispusta i  
odvodnih kanala – 1. dio: Čišćenje odvodnih kanala  
(EN 14654-1:2005)  
Management and control of cleaning operations in  
drains and sewers – Part 1: Sewer cleaning  
(EN 14654-1:2005)  
- zamijenjena s: HRN EN 14654-1:2014

### **HZN/TO 557, Zaštitna odjeća**

HRN EN 1621-2:2004 en  
Motociklistička odjeća za zaštitu od mehaničkog  
udara – 2. dio: Motociklistički štitnici za leđa –  
Zahtjevi i ispitne metode (EN 1621-2:2003)  
Motorcyclists' protective clothing against mechanical  
impact – Part 2: Motorcyclists' back protectors –  
Requirements and test methods (EN 1621-2:2003)  
- zamijenjena s: HRN EN 1621-2:2014

### **HZN/TO 558, Zaštita dišnih putova**

HRN EN 250:2002 en  
Oprema za disanje – Samostalni ronilački uređaji za  
disanje s otvorenim krugom sa stlačenim zrakom –  
Zahtjevi, ispitivanje, označavanje (EN 250:2000)  
Respiratory equipment – Open-circuit, self-  
contained, compressed air diving apparatus –  
Requirements, testing, marking (EN 250:2000)  
- zamijenjena s: HRN EN 250:2014

HRN EN 250/A1:2007 en  
Oprema za disanje – Samostalni ronilački uređaji za  
disanje s otvorenim krugom sa stlačenim zrakom –  
Zahtjevi, ispitivanje, označavanje  
(EN 250:2000/A1:2006)  
Respiratory equipment – Open-circuit self-contained  
compressed air diving apparatus – Requirements,  
testing, marking (EN 250:2000/A1:2006)  
- zamijenjena s: HRN EN 250:2014

HRN EN 12021:2002 en  
Zaštitne naprave za disanje – Stlačeni zrak za  
uređaje za disanje (EN 12021:1998)  
Respiratory protective devices – Compressed air for  
breathing apparatus (EN 12021:1998)  
- zamijenjena s: HRN EN 12021:2014

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

HRN EN ISO 13935-1:2008 en  
Tekstilije – Vlačna svojstva šava na plošnim  
tekstilijama i gotovim tekstilnim proizvodima – 1. dio:  
Određivanje maksimalne sile pucanja šava metodom  
trake (ISO 13935-1:1999; EN ISO 13935-1:1999)  
Textiles – Seam tensile properties of fabrics and  
made-up textile articles – Part 1: Determination  
of maximum force to seam rupture using the strip  
method (ISO 13935-1:1999; EN ISO 13935-1:1999)  
- zamijenjena s: HRN EN ISO 13935-1:2014

HRN EN 15619:2010 en  
Tkanine presvučene gumom ili plastičnim masama  
– Sigurnost privremenih građevina (šatori) –  
Specifikacije za presvučene tkanine namijenjene za  
šatore i slične građevine (EN 15619:2008+A1:2010)  
Rubber or plastic coated fabrics – Safety of  
temporary structures (tents) – Specification for  
coated fabrics intended for tents and related  
structures (EN 15619:2008+A1:2010)  
- zamijenjena s: HRN EN 15619:2014

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

HRN EN 14893:2008 en  
Oprema i pribor za UNP – Prenosivi, zavareni,  
čelični, tlačni spremnici za ukapljeni naftni plin (UNP)  
volumena od 150 litara do 1000 litara  
(EN 14893:2006+AC:2007)  
LPG equipment and accessories – Transportable  
Liquefied Petroleum Gas (LPG) welded steel  
pressure drums with a capacity between 150 litres  
and 1000 litres (EN 14893:2006+AC:2007)  
- zamijenjena s: HRN EN 14893:2014

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

HRN EN 847-1:2008 en  
Alati za obradu drva – Sigurnosni zahtjevi – 1. dio:  
Glodala, cirkularne pile (EN 847-1:2005+A1:2007)  
Tools for woodworking – Safety requirements –  
Part 1: Milling tools, circular saw blades  
(EN 847-1:2005+A1:2007)  
- zamijenjena s: HRN EN 847-1:2014

HRN EN 847-2:2006 en  
Alati za obradbu drva – Sigurnosni zahtjevi – 2. dio:  
Zahtjevi za jačinu drška alata za glodanje  
(EN 847-2:2001+AC:2003)  
Tools for woodworking – Safety requirements –  
Part 2: Requirements for the shank of shank  
mounted milling tools (EN 847-2:2001+AC:2003)  
- zamijenjena s: HRN EN 847-2:2014

HRN EN 847-3:2006 en  
Alati za obradbu drva – Sigurnosni zahtjevi – 3. dio:  
Naprave za stezanje (EN 847-3:2004)  
Tools for woodworking – Safety requirements –  
Part 3: Clamping devices (EN 847-3:2004)  
- zamijenjena s: HRN EN 847-3:2014

HRN EN 1870-11:2010 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
11. dio: Poluautomatske i automatske horizontalne  
kružne pile za poprečno rezanje s jednom pilom  
(radijalni nosač pile) (EN 1870-11:2003+A1:2009)  
Safety of woodworking machines – Circular sawing  
machines – Part 11: Semi-automatic and automatic  
horizontal cross-cut sawing machines with one saw  
unit (radial arm saws) (EN 1870-11:2003+A1:2009)  
- zamijenjena s: HRN EN 1870-11:2014

HRN EN 1870-12:2010 en  
Sigurnost strojeva za obradu drveta – Kružne pile –  
12. dio: Klatne kružne pile za poprečno rezanje  
(EN 1870-12:2003+A1:2009)  
Safety of woodworking machines – Circular sawing  
machines – Part 12: Pendulum cross-cut sawing  
machines (EN 1870-12:2003+A1:2009)  
- zamijenjena s: HRN EN 1870-12:2014

### **HZN/TO 564, Uljarice, biljna i životinjska ulja i masti**

HRN ISO 12872:2012 en  
Maslinova ulja i ulja od komine masline –  
Određivanje udjela 2-gliceril monopalmitata  
(ISO 12872:2010)  
Olive oils and olive-pomace oils – Determination of  
the 2-glycerol monopalmitate content  
(ISO 12872:2010)  
- zamijenjena s: HRN EN ISO 12872:2014

HRN ISO 12873:2012 en  
Maslinova ulja i ulja od komine masline  
– Određivanje udjela voskova plinskom  
kromatografijom (ISO 12873:2010)  
Olive oils and olive-pomace oils – Determination of  
wax content by capillary gas chromatography  
(ISO 12873:2010)  
- zamijenjena s: HRN EN ISO 12873:2014

- HRN ISO 29822:2012 en  
Biljne masti i ulja – Izomerni diacilgliceroli –  
Određivanje relativnog udjela 1,2- i 1,3-diacilglicerola  
(ISO 29822:2009)  
Vegetable fats and oils – Isomeric diacylglycerols  
– Determination of relative amounts of 1,2- and  
1,3-diacylglycerols (ISO 29822:2009)  
- zamijenjena s: HRN EN ISO 29822:2014
- HRN ISO 29841:2012 en  
Biljne masti i ulja – Određivanje razgradnih  
produkata klorofila a i a' (feofitini a, a' i pirofeofitini)  
(ISO 29841:2009)  
Vegetable fats and oils – Determination of the  
degradation products of chlorophylls a and a'  
(pheophytins a, a' and pyropheophytins)  
(ISO 29841:2009)  
- zamijenjena s: HRN EN ISO 29841:2014

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

- HRN EN 957-6:2012 en  
Oprema za vježbanje – 6. dio: Pokretne trake za  
trčanje, dodatni posebni sigurnosni zahtjevi i metode  
ispitivanja (EN 957-6:2010)  
Stationary training equipment – Part 6: Treadmills,  
additional specific safety requirements and test  
methods (EN 957-6:2010)  
- zamijenjena s: HRN EN 957-6:2014
- HRN EN 13451-3:2013 en  
Oprema za bazene – 3. dio: Dodatni posebni  
sigurnosni zahtjevi i metode ispitivanja za dovode i  
odvode i naprave za zabavu na temelju vode/zraka  
(EN 13451-3:2011+A1:2013)  
Swimming pool equipment – Part 3: Additional  
specific safety requirements and test methods for  
inlets and outlets and water/air based water leisure  
features (EN 13451-3:2011+A1:2013)  
- zamijenjena s: HRN EN 13451-3:2014

### **HZN/TO E20, Električni kabeli**

- HRN IEC 60840:2009 en  
Energetski kabeli s ekstrudiranom izolacijom i njihov  
pribor za nazivne napone iznad 30 kV (Um = 36 kV)  
do 150 kV (Um = 170 kV) – Ispitne metode i zahtjevi  
(IEC 60840:2004)  
Power cables with extruded insulation and their  
accessories for rated voltages above 30 kV (Um =  
36 kV) up to 150 kV (Um = 170 kV) – Test methods  
and requirements (IEC 60840:2004)  
- zamijenjena s: HRN IEC 60840:2014
- HRN IEC 62067:2009 en  
Energetski kabeli s ekstrudiranom izolacijom i njihov  
pribor za nazivne napone iznad 150 kV (Um =  
170 kV) do 500 kV (Um = 550 kV) – Ispitne metode i  
zahtjevi (IEC 62067:2006)  
Power cables with extruded insulation and their  
accessories for rated voltages above 150 kV (Um =  
170 kV) up to 500 kV (Um = 550 kV) – Test methods  
and requirements (IEC 62067:2006)  
- zamijenjena s: HRN IEC 62067:2014

### **HZN/TO E23, Električni instalacijski pribor**

- HRN EN 61534-1:2007 en  
Energetski tračnički sustavi – 1. dio: Opći zahtjevi  
(IEC 61534-1:2003; EN 61534-1:2003)  
Powertrack systems – Part 1: General requirements  
(IEC 61534-1:2003; EN 61534-1:2003)  
- zamijenjena s: HRN EN 61534-1:2012

### **HZN/TO E42, Visokonaponska ispitivanja**

- HRN HD 588.1 S1:2008 en  
Visokonaponske ispitne tehnike – 1. dio:  
Opće definicije i ispitni zahtjevi (IEC 60060-  
1:1989+Corr.:1990; HD 588.1 S1:1991)  
High-voltage test techniques – Part 1: General  
definitions and test requirements (IEC 60060-  
1:1989+Corr.:1990; HD 588.1 S1:1991)  
- zamijenjena s: HRN EN 60060-1:2013
- HRN EN 60060-2:2008 en  
Visokonaponske ispitne tehnike – 2. dio: Mjerni  
sustavi (IEC 60060-2:1994; EN 60060-2:1994)  
High voltage test techniques – Part 2: Measuring  
systems (IEC 60060-2:1994; EN 60060-2:1994)  
- zamijenjena s: HRN EN 60060-2:2013
- HRN EN 60060-2:2008/A11:2008 en  
Visokonaponske ispitne tehnike – 2. dio: Mjerni  
sustavi (EN 60060-2:1994/A11:1998)  
High-voltage test techniques – Part 2: Measuring  
systems (EN 60060-2:1994/A11:1998)  
- zamijenjena s: HRN EN 60060-2:2013
- HRN IEC 60833:2002 en  
Mjerenje električnih polja industrijske frekvencije  
(IEC 60833:1987)  
Measurement of power-frequency electric fields  
(IEC 60833:1987)  
- bez zamjene
- HRN IEC/TR2 61321-1:2002 en  
Visokonaponske ispitne tehnike s vrlo brzim  
impulsima – 1. dio: Mjerni sustavi za prenapone s  
vrlo brzim čelom generiranim u plinom izoliranim  
postrojenjima (IEC/TR2 61321-1:1994)  
High-voltage testing techniques with very fast  
impulses – Part 1: Measuring systems for very  
fast front overvoltage generated in gas-insulated  
substations (IEC/TR2 61321-1:1994)  
- bez zamjene

### **HZN/TO E55, Žice za namote**

- HRN EN 60264-4-1:2001 en  
Pakiranje žice za namote – Dio 4-1: Metode  
ispitivanja – Koluti za isporuku od termoplastičnih  
materijala (IEC 60264-4-1:1989;  
EN 60264-4-1:1994)  
Packaging of winding wires – Part 4-1: Methods  
of test – Delivery spools made from thermoplastic  
materials (IEC 60264-4-1:1989; EN 60264-4-1:1994)  
- zamijenjena s: HRN EN 60264-4-1:2013
- HRN EN 60317-1:2001 en  
Specifikacije pojedinih vrsta žica za namote – 1. dio:  
Polivinil acetalom lakirana okrugla bakrena žica,  
klase 105 (IEC 60317-1:1990+A1:1997+A2:1997;  
EN 60317-1:1994+A1:1997+A2:1998)  
Specifications for particular types of  
winding wires – Part 1: Polyvinyl acetal  
enamelled round copper wire, class 105 (IEC  
60317-1:1990+A1:1997+A2:1997;  
EN 60317-1:1994+A1:1997+A2:1998)  
- bez zamjene
- HRN EN 60317-2:2001 en  
Specifikacije pojedinih vrsta žica za namote – 2. dio:  
Poliuretanom lakirana lemljiva okrugla bakrena žica,  
razreda 130, s vezivnim slojem  
(IEC 60317-2:1990+A1:1997+A2:1999;  
EN 60317-2:1994+A1:1998+A2:2000)  
Specifications for particular types of winding wires  
– Part 2: Solderable polyurethane enamelled round  
copper wire, class 130, with a bonding layer  
(IEC 60317-2:1990+A1:1997+A2:1999;  
EN 60317-2:1994+A1:1998+A2:2000)  
- zamijenjena s: HRN EN 60317-2:2013

- HRN EN 60317-2:2013 en  
 Specifikacije pojedinih vrsta žica za namote – 2. dio:  
 Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 130, s vezivnim slojem (IEC 60317-2:2012; EN 60317-2:2012)  
 Specifications for particular types of winding wires – Part 2: Solderable polyurethane enamelled round copper wire, class 130, with a bonding layer (IEC 60317-2:2012; EN 60317-2:2012)  
 - bez zamjene
- HRN IEC 60317-3:2005 en  
 Specifikacije pojedinih vrsta žica za namote – 3. dio:  
 Poliesterom lakirane okrugle bakrene žica, razreda 155 (IEC 60317-3:2004)  
 Specifications for particular types of winding wires – Part 3: Polyester enamelled round copper wires, class 155 (IEC 60317-3:2004)  
 - bez zamjene
- HRN EN 60317-4:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 4. dio:  
 Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 130 (IEC 60317-4:1990+A1:1997+A2:1999; EN 60317-4:1994+A1:1998+A2:2000)  
 Specifications for particular types of winding wires – Part 4: Solderable polyurethane enamelled round copper wire, class 130 (IEC 60317-4:1990+A1:1997+A2:1999; EN 60317-4:1994+A1:1998+A2:2000)  
 - bez zamjene
- HRN EN 60317-7:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 7. dio:  
 Polimidom lakirana okrugla bakrena žica, razreda 220 (IEC 60317-7:1990+A1:1997+A2:1997; EN 60317-7:1994+A1:1997+A2:1998)  
 Specifications for particular types of winding wires – Part 7: Polyimide enamelled round copper wire, class 220 (IEC 60317-7:1990+A1:1997+A2:1997; EN 60317-7:1994+A1:1997+A2:1998)  
 - bez zamjene
- HRN EN 60317-8:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 8. dio:  
 Poliesterimidom lakirana okrugla bakrena žica, razreda 180 (IEC 60317-8:1990+A1:1997+A2:1997; EN 60317-8:1994+A1:1997+A2:1998)  
 Specifications for particular types of winding wires – Part 8: Polyesterimide enamelled round copper wire, class 180 (IEC 60317-8:1990+A1:1997+A2:1997; EN 60317-8:1994+A1:1997+A2:1998)  
 - zamijenjena s: HRN EN 60317-8:2013
- HRN EN 60317-11:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 11. dio:  
 Usnopljena poliuretanom lakirana okrugla bakrena žica, razreda 130, sa svilenom zaštitom (IEC 60317-11:1999; EN 60317-11:2000)  
 Specifications for particular types of winding wires – Part 11: Bunched solderable polyurethane enamelled round copper wires, class 130, with silk covering (IEC 60317-11:1999; EN 60317-11:2000)  
 - bez zamjene
- HRN EN 60317-12:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 12. dio:  
 Polivinil acetalom lakirana okrugla bakrena žica, razreda 120 (IEC 60317-12:1990+A1:1997; EN 60317-12:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:1990+A1:1997; EN 60317-12:1994+A1:1998)  
 - zamijenjena s: HRN EN 60317-12:2013
- HRN EN 60317-12:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 12. dio:  
 Polivinil acetalom lakirana okrugla bakrena žica, razreda 120 (IEC 60317-12:1990/am2:2005; EN 60317-12:1994/A2:2005)
- Specifications for particular types of winding wires – Part 12: Polyvinyl acetal enamelled round copper wire, class 120 (IEC 60317-12:1990/am2:2005; EN 60317-12:1994/A2:2005)  
 - zamijenjena s: HRN EN 60317-12:2013
- HRN EN 60317-13:2001 en  
 Specifikacije pojedinih vrsta žica za namote – Poliesterom ili poliesterimidom lakirana, prekrivena poliamid-imidom, okrugla bakrena žica, razreda 200 (IEC 60317-13:1990+A1:1997+A2:1997; EN 60317-13:1994+A1:1997+A2:1998)  
 Specifications for particular types of winding wires – Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200 (IEC 60317-13:1990+A1:1997+A2:1997; EN 60317-13:1994+A1:1997+A2:1998)  
 - zamijenjena s: HRN EN 60317-13:2013
- HRN EN 60317-14:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 14. dio:  
 Polivinil acetalom lakirana okrugla aluminijska žica, razreda 105 (IEC 60317-14:1990+A1:1997; EN 60317-14:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 14: Polyvinyl acetal enamelled round aluminium wire, class 105 (IEC 60317-14:1990+A1:1997; EN 60317-14:1994+A1:1998)  
 - bez zamjene
- HRN EN 60317-16:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 16. dio:  
 Poliesterom lakirana profilna bakrena žica, razreda 155 (IEC 60317-16:1990+A1:1997; EN 60317-16:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 16: Polyester enamelled rectangular copper wire, class 155 (IEC 60317-16:1990+A1:1997; EN 60317-16:1994+A1:1998)  
 - bez zamjene
- HRN EN 60317-17:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 17. dio:  
 Polivinil acetalom lakirana profilna bakrena žica, razreda 105 (IEC 60317-17:1990+A1:1997; EN 60317-17:1994+A1:1998)  
 Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:1990+A1:1997; EN 60317-17:1994+A1:1998)  
 - zamijenjena s: HRN EN 60317-17:2013
- HRN EN 60317-17:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote – 17. dio:  
 Polivinil acetalom lakirana profilna bakrena žica, razreda 105 (IEC 60317-17:1990/am2:2005; EN 60317-17:1994/A2:2005)  
 Specifications for particular types of winding wires – Part 17: Polyvinyl acetal enamelled rectangular copper wire, class 105 (IEC 60317-17:1990/am2:2005; EN 60317-17:1994/A2:2005)  
 - zamijenjena s: HRN EN 60317-17:2013
- HRN EN 60317-24:2001 en  
 Specifikacije pojedinih vrsta žica za namote – 24. dio:  
 Poliester ili poliesterimidom lakirana okrugla aluminijska žica, prekrivena poliamidom, razreda 180 (IEC 60317-24:1990+A1:1997; EN 60317-24:1995+A1:1998)  
 Specifications for particular types of winding wires – Part 24: Polyester or polyesterimide enamelled round aluminium wire overcoated with polyamide, class 180 (IEC 60317-24:1990+A1:1997; EN 60317-24:1995+A1:1998)  
 - bez zamjene

HRN EN 60317-25:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 25. dio: Poliester ili poliesterimidom lakirana okrugla  
 aluminijska žica, prekrivena poliamid imidom, razreda  
 200 (IEC 60317-25:1990+A1:1997+A2:1997;  
 EN 60317-25:1996+A1:1997+A2:1998)  
 Specifications for particular types of winding wires –  
 Part 25: Polyester or polyesterimide overcoated with  
 polyamide-imide enamelled round aluminium wire,  
 class 200 (IEC 60317-25:1990+A1:1997+A2:1997;  
 EN 60317-25:1996+A1:1997+A2:1998)  
 - zamijenjena s: HRN EN 60317-25:2013

HRN EN 60317-30:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 30. dio: Polimidom lakirana profilna bakrena žica,  
 razreda 220 (IEC 60317-30:1990+A1:1997;  
 EN 60317-30:1996+A1:1998)  
 Specifications for particular types of winding wires  
 – Part 30: Polyimide enamelled rectangular copper  
 wire, class 220 (IEC 60317-30:1990+A1:1997;  
 EN 60317-30:1996+A1:1998)  
 - bez zamjene

HRN EN 60317-30:2001/A2:2008 en  
 Specifikacije pojedinih vrsta žica za namote –  
 30. dio: Polimidom lakirana profilna bakrena žica,  
 razreda 220 (IEC 60317-30:1990/am2:2005;  
 EN 60317-30:1996/A2:2005)  
 Specifications for particular types of winding wires  
 – Part 30: Polyimide enamelled rectangular copper  
 wire, class 220 (IEC 60317-30:1990/am2:2005;  
 EN 60317-30:1996/A2:2005)  
 - bez zamjene

HRN EN 60317-34:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 34. dio: Poliesterom lakirana okrugla bakrena žica,  
 razreda 130L (IEC 60317-34:1997; EN 60317-  
 34:1997)  
 Specifications for particular types of winding wires  
 – Part 34: Polyester enamelled round copper wire,  
 class 130L (IEC 60317-34:1997; EN 60317-34:1997)  
 - bez zamjene

HRN IEC 60317-41:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 41. dio: Poliesterom lakirana lemljiva okrugla  
 bakrena žica, razreda 130L (IEC 60317-41:1996)  
 Specifications for particular types of winding wires  
 – Part 41: Solderable polyester enamelled round  
 copper wire, class 130L (IEC 60317-41:1996)  
 - bez zamjene

HRN EN 60317-45:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 45. dio: Poliesterom lakirana okrugla bakrena žica,  
 razreda 130 (IEC 60317-45:1998;  
 EN 60317-45:1998)  
 Specifications for particular types of winding wires  
 – Part 45: Polyester enamelled round copper wire,  
 class 130 (IEC 60317-45:1998; EN 60317-45:1998)  
 - bez zamjene

HRN IEC 60317-54:2001 en  
 Specifikacije pojedinih vrsta žica za namote –  
 54. dio: Poliesterom lakirana lemljiva okrugla  
 bakrena žica, razreda 155L (IEC 60317-54:2001)  
 Specifications for particular types of winding wires  
 – Part 54: Polyester enamelled round copper wire,  
 class 155L (IEC 60317-54:2001)  
 - bez zamjene

HRN EN 60851-2:2001 en  
 Žice za namote – Ispitne metode – 2. dio:  
 Određivanje dimenzija (IEC 60851-2:1996+A1:1997;  
 EN 60851-2:1996+A1:1997)  
 Winding wires – Test methods – Part 2:  
 Determination of dimensions  
 (IEC 60851-2:1996+A1:1997;  
 EN 60851-2:1996+A1:1997)  
 - zamijenjena s: HRN EN 60851-2:2013

HRN EN 60851-2:2001/A2:2008 en  
 Žice za namote – Ispitne metode – 2. dio:  
 Određivanje dimenzija  
 (IEC 60851-2:1996/am2:2003;  
 EN 60851-2:1996/A2:2003)  
 Winding wires – Test methods – Part 2:  
 Determination of dimensions  
 (IEC 60851-2:1996/am2:2003;  
 EN 60851-2:1996/A2:2003)  
 - zamijenjena s: HRN EN 60851-2:2013

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

HRN HD 637 S1:2002 hr  
 Električna postrojenja nazivnih izmjeničnih napona  
 iznad 1 kV (HD 637 S1:1999)  
 Power installations exceeding 1 kV  
 (HD 637 S1:1999)  
 - zamijenjena s: HRN EN 61936-1:2012

### **HZNTU S1, Zdravlje, okoliš i medicinska oprema 1**

HRN EN 1283:2008 en  
 Uređaji za hemodijalizu, hemodijafiltriranje,  
 hemofiltriranje i hemokoncentraciju i njihovi prateći  
 ekstrakorporalni sustavi (EN 1283:1996)  
 Haemodialysers, haemodiafilters, haemofilters,  
 haemoconcentrators and their extracorporeal circuits  
 (EN 1283:1996)  
 - zamijenjena s: HRN EN ISO 8637:2014

HRN EN 12183:2011 en  
 Invalidska kolica na ručni pogon – Zahtjevi i metode  
 ispitivanja (EN 12183:2009)  
 Manual wheelchairs – Requirements and test  
 methods (EN 12183:2009)  
 - zamijenjena s: HRN EN 12183:2014

HRN EN 12184:2011 en  
 Invalidska kolica na električni pogon, skuteri i njihovi  
 punjači – Zahtjevi i metode ispitivanja  
 (EN 12184:2009)  
 Electrically powered wheelchairs, scooters and their  
 chargers – Requirements and test methods  
 (EN 12184:2009)  
 - zamijenjena s: HRN EN 12184:2014

HRN EN 14683:2008 en  
 Kirurške maske – Zahtjevi i metode ispitivanja  
 (EN 14683:2005)  
 Surgical masks – Requirements and test methods  
 (EN 14683:2005)  
 - zamijenjena s: HRN EN 14683:2014

HRN EN 16224:2012 en  
 Zdravstvene usluge kiropraktičara (EN 16224:2012)  
 Health care provision by chiropractors  
 (EN 16224:2012)  
 - zamijenjena s: HRN EN 16224:2014

### **HZNTU T1, Prijevoz, rukovanje materijalima i pakiranje 1**

HRN EN ISO 3691-5:2010 en  
 Industrijski kamioni – Sigurnosni zahtjevi i  
 potvrđivanje – 5. dio: Viličari pogonjeni guranjem  
 (ISO 3691-5:2009; EN ISO 3691-5:2009)  
 Industrial trucks – Safety requirements and  
 verification – Part 5: Pedestrian-propelled trucks  
 (ISO 3691-5:2009; EN ISO 3691-5:2009)  
 - zamijenjena s: HRN EN ISO 3691-5:2014



## HZNTU V1, *Elektronika 1*

HRN EN 60793-2-50:2008 en

Optical fibres – Part 2-50: Product specifications –  
Sectional specification for class B single-mode fibres  
(IEC 60793-2-50:2004; EN 60793-2-50:2004)  
- zamijenjena s: HRN EN 60793-2-50:2009

## 1.5 Povučeni nacrti hrvatskih norma

### HZNTO E500, *Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama*

nHRN EN 55014-1 hr pp

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

## 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.

### HZNTO 44, *Zavarivanje i srodni postupci*

• **umjesto**

HRN EN ISO 6520-1:2014

Zavarivanje i srodni procesi – Razredba  
geometrijskih nepravilnosti u metalnim materijalima  
– 1. dio: Zavarivanje **spajanjem** (ISO 6520-1:2007;  
EN ISO 6520-1:2007)  
Welding and allied processes – Classification of  
geometric imperfections in metallic materials –  
Part 1: Fusion welding (ISO 6520-1:2007;  
EN ISO 6520-1:2007)

• **treba biti**

HRN EN ISO 6520-1:2014

Zavarivanje i srodni procesi – Razredba  
geometrijskih nepravilnosti u metalnim materijalima  
– 1. dio: Zavarivanje **taljenjem** (ISO 6520-1:2007;  
EN ISO 6520-1:2007)  
Welding and allied processes – Classification of  
geometric imperfections in metallic materials –  
Part 1: Fusion welding (ISO 6520-1:2007;  
EN ISO 6520-1:2007)

### HZNTO 506, *Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu*

• **umjesto**

HRN EN ISO 6144:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje – Statičke **obujamske** metode  
(ISO 6144:2003; EN ISO 6144:2006)  
Gas analysis – Preparation of calibration gas  
mixtures – Static volumetric method  
(ISO 6144:2003; EN ISO 6144:2006)

• **treba biti**

HRN EN ISO 6144:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje – Statičke **volumetrijske** metode  
(ISO 6144:2003; EN ISO 6144:2006)

Gas analysis – Preparation of calibration gas  
mixtures – Static volumetric method  
(ISO 6144:2003; EN ISO 6144:2006)

• **umjesto**

HRN EN ISO 6145-1:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje uporabom dinamičkih **obujamskih**  
metoda – 1. dio: Metode umjeravanja  
(ISO 6145-1:2003; EN ISO 6145-1:2008)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 1:  
Methods of calibration (ISO 6145-1:2003;  
EN ISO 6145-1:2008)

• **treba biti**

HRN EN ISO 6145-1:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje uporabom dinamičkih **volumetrijskih**  
metoda – 1. dio: Metode umjeravanja  
(ISO 6145-1:2003; EN ISO 6145-1:2008)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 1:  
Methods of calibration (ISO 6145-1:2003;  
EN ISO 6145-1:2008)

• **umjesto**

HRN EN ISO 6145-4:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje uporabom dinamičkih **obujamskih**  
metoda – 4. dio: Metoda neprekidnog ubacivanja  
špricom (ISO 6145-4:2004; EN ISO 6145-4:2008)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 4:  
Continuous syringe injection method  
(ISO 6145-4:2004; EN ISO 6145-4:2008)

• **treba biti**

HRN EN ISO 6145-4:2008

Analiza plina – Priprava plinskih smjesa za  
umjeravanje uporabom dinamičkih **volumetrijskih**  
metoda – 4. dio: Metoda neprekidnog ubacivanja  
špricom (ISO 6145-4:2004; EN ISO 6145-4:2008)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 4:  
Continuous syringe injection method  
(ISO 6145-4:2004; EN ISO 6145-4:2008)

• **umjesto**

HRN EN ISO 6145-5:2010

Analiza plina – Priprava plinskih smjesa za  
umjeravanje upotrebom dinamičkih **obujamskih**  
metoda – 5. dio: Oprema za kapilarno umjeravanje  
(ISO 6145-5:2009; EN ISO 6145-5:2010)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 5:  
Capillary calibration devices (ISO 6145-5:2009;  
EN ISO 6145-5:2010)

• **treba biti**

HRN EN ISO 6145-5:2010

Analiza plina – Priprava plinskih smjesa za  
umjeravanje upotrebom dinamičkih **volumetrijskih**  
metoda – 5. dio: Oprema za kapilarno umjeravanje  
(ISO 6145-5:2009; EN ISO 6145-5:2010)  
Gas analysis – Preparation of calibration gas  
mixtures using dynamic volumetric methods – Part 5:  
Capillary calibration devices (ISO 6145-5:2009;  
EN ISO 6145-5:2010)

• **umjesto**

HRN EN ISO 6145-7:2010

Analiza plina – Priprava plinskih smjesa za  
umjeravanje upotrebom dinamičkih **obujamskih**  
metoda – 7. dio: Toplinska kontrola protoka mase  
(ISO 6145-7:2009; EN ISO 6145-7:2010)

- Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 7: Thermal mass-flow controllers (ISO 6145-7:2009; EN ISO 6145-7:2010)
- **treba biti**
- HRN EN ISO 6145-7:2010  
 Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih **volumetrijskih** metoda – 7. dio: Toplinska kontrola protoka mase (ISO 6145-7:2009; EN ISO 6145-7:2010)  
 Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 7: Thermal mass-flow controllers (ISO 6145-7:2009; EN ISO 6145-7:2010)
- **umjesto**
- HRN EN ISO 6145-8:2008  
 Analiza plina – Priprava plinskih smjesa za umjeravanje uporabom dinamičkih **obujamskih** metoda – 8. dio: Metoda difuzije (ISO 6145-8:2005; EN ISO 6145-8:2008)  
 Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 8: Diffusion method (ISO 6145-8:2005; EN ISO 6145-8:2008)
- **treba biti**
- HRN EN ISO 6145-8:2008  
 Analiza plina – Priprava plinskih smjesa za umjeravanje uporabom dinamičkih **volumetrijskih** metoda – 8. dio: Metoda difuzije (ISO 6145-8:2005; EN ISO 6145-8:2008)  
 Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 8: Diffusion method (ISO 6145-8:2005; EN ISO 6145-8:2008)
- **umjesto**
- HRN EN ISO 6145-9:2010  
 Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih **obujamskih** metoda – 9. dio: Metoda zasićenja (ISO 6145-9:2009; EN ISO 6145-9:2010)  
 Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2009; EN ISO 6145-9:2010)
- **treba biti**
- HRN EN ISO 6145-9:2010  
 Analiza plina – Priprava plinskih smjesa za umjeravanje upotrebom dinamičkih **volumetrijskih** metoda – 9. dio: Metoda zasićenja (ISO 6145-9:2009; EN ISO 6145-9:2010)  
 Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2009; EN ISO 6145-9:2010)
- **umjesto**
- HRI CEN ISO/TR 10400:2012  
 Industrija nafte i prirodnoga plina – Jednadžbe i proračuni osobina **zaštitnih cijevi, proizvodnih cijevi**, šipki za bušenje i cjevovoda koji se upotrebljavaju kao **zaštitne cijevi ili proizvodne cijevi** (ISO/TR 10400:2007; CEN ISO/TR 10400:2011)  
 Petroleum and natural gas industries – Equations and calculations for the properties of casing, tubing, drill pipe and line pipe used as casing or tubing (ISO/TR 10400:2007; CEN ISO/TR 10400:2011)
- **treba biti**
- HRI CEN ISO/TR 10400:2012  
 Industrija nafte i prirodnoga plina – Jednadžbe i proračuni osobina **zaštitnih cijevi (casing), uzlaznih cijevi (tubing)**, šipki za bušenje i cjevovoda koji se upotrebljavaju kao **zaštitne cijevi (casing) ili uzlazne cijevi (tubing)** (ISO/TR 10400:2007; CEN ISO/TR 10400:2011)  
 Petroleum and natural gas industries – Equations and calculations for the properties of casing, tubing, drill pipe and line pipe used as casing or tubing (ISO/TR 10400:2007; CEN ISO/TR 10400:2011)
- **umjesto**
- HRN EN ISO 10405:2008  
 Industrija nafte i prirodnog plina – Održavanje i uporaba **kesinga i tubinga** (ISO 10405:2006; EN ISO 10405:2006)  
 Petroleum and natural gas industries – Care and use of casing and tubing (ISO 10405:2006; EN ISO 10405:2006)
- **treba biti**
- HRN EN ISO 10405:2008  
 Industrija nafte i prirodnog plina – Održavanje i uporaba **zaštitnih cijevi (casing) i uzlaznih cijevi (tubing)** (ISO 10405:2006; EN ISO 10405:2006)  
 Petroleum and natural gas industries – Care and use of casing and tubing (ISO 10405:2006; EN ISO 10405:2006)
- **umjesto**
- HRN EN ISO 13085:2014  
 Industrija nafte i prirodnoga plina – Cijevi od aluminijeve legure za upotrebu kao **proizvodne cijevi** za bušotine (ISO 13085:2014; EN ISO 13085:2014)  
 Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells (ISO 13085:2014; EN ISO 13085:2014)
- **umjesto**
- HRN EN ISO 13085:2014  
 Industrija nafte i prirodnoga plina – Cijevi od aluminijeve legure za upotrebu kao **uzlazne cijevi (tubing)** za bušotine (ISO 13085:2014; EN ISO 13085:2014)  
 Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells (ISO 13085:2014; EN ISO 13085:2014)
- **umjesto**
- HRN EN ISO 13678:2012  
 Industrija nafte i prirodnog plina – Utvrđivanje vrijednosti i ispitivanja masti za podmazivanje navoja na **zaštitnim cijevima, uzlaznim cijevima** i cjevovodima (ISO 13678:2010; EN ISO 13678:2012)  
 Petroleum and natural gas industries – Evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements (ISO 13678:2010; EN ISO 13678:2012)
- **treba biti**
- HRN EN ISO 13678:2012  
 Industrija nafte i prirodnog plina – Utvrđivanje vrijednosti i ispitivanja masti za podmazivanje navoja na **zaštitnim cijevima (casing), uzlaznim cijevima (tubing)** i cjevovodima (ISO 13678:2010; EN ISO 13678:2012)  
 Petroleum and natural gas industries – Evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements (ISO 13678:2010; EN ISO 13678:2012)

- **umjesto**
- HRN EN ISO 15463:2006  
Industrija nafte i prirodnog plina – Pogonski pregled i ispitivanje novoga **kesinga, tubinga** i bušačkih šipki glatkog kraja (ISO 15463:2003; EN ISO 15463:2003)  
Petroleum and natural gas industries – Field inspection of new casing, tubing and plain-end drill pipe (ISO 15463:2003; EN ISO 15463:2003)
- **treba biti**
- HRN EN ISO 15463:2006  
Industrija nafte i prirodnog plina – Pogonski pregled i ispitivanje novih **zaštitnih cijevi (casing), uzlaznih cijevi (tubing)** i bušačkih šipki glatkog kraja (ISO 15463:2003; EN ISO 15463:2003)  
Petroleum and natural gas industries – Field inspection of new casing, tubing and plain-end drill pipe (ISO 15463:2003; EN ISO 15463:2003)
- **umjesto**
- HRN EN ISO 15463:2006/Ispr.1:2012  
Industrija nafte i prirodnog plina – Pogonski pregled i ispitivanje novoga **kesinga, tubinga** i bušačkih šipki glatkog kraja (ISO 15463:2003/Cor 1:2009; EN ISO 15463:2003/AC:2009)  
Petroleum and natural gas industries – Field inspection of new casing, tubing and plain-end drill pipe (ISO 15463:2003/Cor 1:2009; EN ISO 15463:2003/AC:2009)
- **treba biti**
- HRN EN ISO 15463:2006/Ispr.1:2012  
Industrija nafte i prirodnog plina – Pogonski pregled i ispitivanje novih **zaštitnih cijevi (casing), uzlaznih cijevi (tubing)** i bušačkih šipki glatkog kraja (ISO 15463:2003/Cor 1:2009; EN ISO 15463:2003/AC:2009)  
Petroleum and natural gas industries – Field inspection of new casing, tubing and plain-end drill pipe (ISO 15463:2003/Cor 1:2009; EN ISO 15463:2003/AC:2009)

## HZN/TO 522, *Karakterizacija i zbrinjavanje otpada*

- **umjesto**
- HRN EN 840-1:2013  
Pokretni spremnici za otpad i recikliranje – 1. dio: Spremnici s 2 kotača obujma 400 l za uporabu pomoću naprava za podizanje – Dimenzije i dizajn (EN 840-1:2012)  
Mobile waste and recycling containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices – Dimensions and design (EN 840-1:2012)
- **treba biti**
- HRN EN 840-1:2013  
Pokretni spremnici za otpad i recikliranje – 1. dio: Spremnici s 2 kotača obujma **do** 400 l za uporabu pomoću naprava za podizanje – Dimenzije i dizajn (EN 840-1:2012)  
Mobile waste and recycling containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices – Dimensions and design (EN 840-1:2012)

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

- **umjesto**
- HRN EN ISO 463:2008  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema – Konstrukcija i mjerne karakteristike mjerila s mehaničkim pokazivačem (ISO 463:2006+**Cor 1:2007**; EN ISO 463:2006+**AC:2007**)  
Geometrical Product Specifications (GPS) – Dimensional measuring equipment – Design and metrological characteristics of mechanical dial gauges (ISO 463:2006+**Cor 1:2007**; EN ISO 463:2006+**AC:2007**)
- **treba biti**
- HRN EN ISO 463:2008  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema – Konstrukcija i mjerne karakteristike mjerila s mehaničkim pokazivačem (ISO 463:2006; EN ISO 463:2006)  
Geometrical Product Specifications (GPS) – Dimensional measuring equipment – Design and metrological characteristics of mechanical dial gauges (ISO 463:2006; EN ISO 463:2006)

## HZN/TO 555, *Medicinski proizvodi*

- **umjesto**
- HRN EN ISO 10993-1:2010  
Biolška procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje (**ISO 10993-1:2003**; EN ISO 10993-1:2009)  
Biological evaluation of medical devices – Part 1: Evaluation and testing (**ISO 10993-1:2003**; EN ISO 10993-1:2009)
- **treba biti**
- HRN EN ISO 10993-1:2010  
Biolška procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje **unutar procesa upravljanja rizikom** (**ISO 10993-1:2009**; EN ISO 10993-1:2009)  
Biological evaluation of medical devices – Part 1: Evaluation and testing **within a risk management process** (**ISO 10993-1:2009**; EN ISO 10993-1:2009)
- **umjesto**
- HRN EN ISO 10993-9:2010  
Biolška procjena medicinskih proizvoda – 9. dio: Okvir za identifikaciju i količinsko određivanje moguće istrošenosti proizvoda (**ISO 10993-9:1999**; EN ISO 10993-9:2009)  
Biological evaluation of medical devices – Part 9: Framework for identification and quantification of potential degradation products (**ISO 10993-9:1999**; EN ISO 10993-9:2009)
- **treba biti**
- HRN EN ISO 10993-9:2010  
Biolška procjena medicinskih proizvoda – 9. dio: Okvir za identifikaciju i količinsko određivanje moguće istrošenosti proizvoda (**ISO 10993-9:2009**; EN ISO 10993-9:2009)  
Biological evaluation of medical devices – Part 9: Framework for identification and quantification of potential degradation products (**ISO 10993-9:2009**; EN ISO 10993-9:2009)

## HZN/TO E42, *Visokonaponska ispitivanja*

- **umjesto**  
HRN EN 60060-3:2008  
Visokonaponske ispitne tehnike – 3. dio: Definicije i zahtjevi za ispitivanja **na radnom mjestu** (IEC 60060-3:2006; EN 60060-3:2006)  
High voltage test techniques – Part 3: Definitions and requirements for on-site tests (IEC 60060-3:2006; EN 60060-3:2006)
- **treba biti**  
HRN EN 60060-3:2008  
Visokonaponske ispitne tehnike – 3. dio: Definicije i zahtjevi za ispitivanja **izvan laboratorijskih uvjeta** (IEC 60060-3:2006; EN 60060-3:2006)  
High voltage test techniques – Part 3: Definitions and requirements for on-site tests (IEC 60060-3:2006; EN 60060-3:2006)

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

- **umjesto**  
HRN EN 301 549 V1.1.1:2014  
Zahtjevi **dostupnosti za javnu nabavu ICT proizvoda i usluga** u Europi (EN 301 549 V1.1.1:2014)  
Accessibility requirements suitable for public procurement of ICT products and services in Europe (EN 301 549 V1.1.1:2014)
- **treba biti**  
HRN EN 301 549 V1.1.1:2014  
Zahtjevi **s obzirom na dostupnost ICT proizvoda i usluga prikladni za primjenu u javnim nabavama** u Europi (EN 301 549 V1.1.1:2014)  
Accessibility requirements suitable for public procurement of ICT products and services in Europe (EN 301 549 V1.1.1:2014)

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

- HRN EN ISO 19901-1:2008  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne objekte – 1. dio: „Metocean“ konstrukcija i razmatranje rada (ISO 19901-1:2005; EN ISO 19901-1:2005)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 1: Metocean design and operating considerations (ISO 19901-1:2005; EN ISO 19901-1:2005)
- HRN EN ISO 19901-3:2012  
Industrija nafte i prirodnoga plina – Posebni zahtjevi za odobalne objekte – 3. dio: Konstrukcije na platformi (ISO 19901-3:2010; EN ISO 19901-3:2010)  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 3: Topsides structure (ISO 19901-3:2010; EN ISO 19901-3:2010)
- HRN EN ISO 13679:2008  
Industrija nafte i prirodnoga plina – Postupci ispitivanja zaštitnih i proizvodnih cijevnih priključaka (ISO 13679:2006; EN ISO 13679:2006)

Petroleum and natural gas industries – Procedures for testing casing and tubing connections (ISO 13679:2006; EN ISO 13679:2006)

## HZN/TO 516, *Usluge prijevoza*

- HRI CEN/TR 14310:2008  
Usluge prijevoza tereta – Izjava i izvještavanje o značajkama povezanim s okolišem u lancima prijevoza tereta (CEN/TR 14310:2002)  
Freight transportation services – Declaration and reporting of environmental performance in freight transport chains (CEN/TR 14310:2002)
- HRN EN 14892:2008  
Usluge prijevoza – Gradska logistika – Smjernica za definiranje ograničenog pristupa gradskim središtima (EN 14892:2005)  
Transport service – City logistics – Guideline for the definition of limited access to city centers (EN 14892:2005)

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

- HRN EN 16307-6:2014  
Industrijski kamioni – Sigurnosni zahtjevi i potvrđivanje – 6. dio: Dodatni zahtjevi za vozila za prijevoz tereta i osoblja (EN 16307-6:2014)  
Industrial trucks – Safety requirements and verification – Part 6: Supplementary requirements for burden and personnel carriers (EN 16307-6:2014)
- HRN EN 2155-19:2008  
Nizovi o zrakoplovstvu – Metode ispitivanja prozirnih materijala za glaziranje zrakoplova – 19. dio: Određivanje otpornosti na stvaranje mikropukotina (EN 2155-19:1996)  
Aerospace series – Test methods for transparent materials for aircraft materials for aircraft glazing – Part 19: Determination of craze resistance (EN 2155-19:1996)
- HRN EN 2067:2008  
Nizovi o zrakoplovstvu – Krajevi šipki sa samoprilagodljivim kugličnim ležajevima – Tehničke specifikacije (EN 2067:1996+AC:1996)  
Aerospace series – Rod ends with self-aligning ball bearings – Technical specification (EN 2067:1996+AC:1996)
- HRN EN 2068:2008  
Nizovi o zrakoplovstvu – Krajevi šipki sa samopodmazujućim i samoprilagodljivim kugličnim ležajevima – Tehničke specifikacije (EN 2068:1996+AC:1996)  
Aerospace series – Rod ends with self-lubricating self-aligning bearings – Technical specification (EN 2068:1996+AC:1996)
- HRN EN 1757-3:2008  
Sigurnost industrijskih kamiona – Kolica za prijevoz tereta s potpunim ili djelomičnim ručnim upravljanjem – 3. dio: Vozila za prijevoz tereta s platformom (EN 1757-3:2002)  
Safety of industrial trucks – Pedestrian controlled manual and semi-manual trucks – Part 3: Platform trucks (EN 1757-3:2002)
- HRN EN 13290-2:2008  
Upravljanje svemirskim projektom – Opći zahtjevi – 2. dio: Raščlamba projekta na elemente strukture (EN 13290-2:2001)  
Space project management – General requirements – Part 2: Project breakdown structure (EN 13290-2:2001)



## TU V1, *Elektronika 1*

- HRN EN 140101-806:2008  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage – Otpornici od metalnog tankog sloja na keramici visoke kakvoće, ujednačeno namazani ili oblikovani, aksijalni ili unaprijed oblikovani vodovi (EN 140101-806:2008)  
Detail Specification: Fixed low power film resistors – Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads (EN 140101-806:2008)
- HRN EN 140401-801:2009  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 0,1; 0,25; 0,5; 1 (EN 140401-801:2007)  
Detail specification – Fixed low power film SMD resistors – Rectangular – Stability classes 0,1; 0,25; 0,5; 1 (EN 140401-801:2007)
- HRN EN 140401-802:2009  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 1; 2 (EN 140401-802:2007)  
Detail specification – Fixed low power film SMD resistors – Rectangular – Stability classes 1; 2 (EN 140401-802:2007)
- HRN EN 140401-802:2009/A1:2011  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 1; 2 (EN 140401-802:2007/A1:2010)  
Detail specification – Fixed low power film SMD resistors – Rectangular – Stability classes 1; 2 (EN 140401-802:2007/A1:2010)
- HRN EN 140401-804:2012  
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage velike postojanosti za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 0,1; 0,25 (EN 140401-804:2011+AC:2012)  
Detail Specification: Fixed low power film high stability SMD resistors – Rectangular – Stability classes 0,1; 0,25 (EN 140401-804:2011+AC:2012)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

- HRN EN ISO 11850:2013 hr-en pr-pp  
Šumarska mehanizacija – Opći sigurnosni zahtjevi (ISO 11850:2011; EN ISO 11850:2011)  
Machinery for forestry – General safety requirements (ISO 11850:2011; EN ISO 11850:2011)

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

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

- HRN ISO 2108:2007 hr-en pr-pp  
Informacije i dokumentacija – Međunarodni standardni knjižni broj (ISBN) (ISO 2108:2005)  
Information and documentation – International standard book number (ISBN) (ISO 2108:2005)

## HZN/TO 135, *Nerazorno ispitivanje*

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

- HRN EN ISO 16810:2014 hr-en pr-pp  
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Opća načela (ISO 16810:2012; EN ISO 16810:2014)  
Non-destructive testing – Ultrasonic testing – General principles (ISO 16810:2012; EN ISO 16810:2014)

## HZN/TO 548, *Konstruktivski eurokodovi*

Sljedeći hrvatski nacionalni dodaci objavljeni na hrvatskome jeziku sada su dostupni i na engleskome jeziku:

- HRN EN 1990:2011/NA:2011 hr-en izv  
Eurokod: Osnove projektiranja konstrukcija – Nacionalni dodatak  
Eurocode: Basis of structural design – National Annex
- HRN EN 1994-1-1:2012/NA:2012 hr-en izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings – National Annex
- HRN EN 1994-1-2:2012/NA:2012 hr-en izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-2: Opća pravila – Proračun konstrukcija na djelovanje požara – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design – National Annex
- HRN EN 1994-2:2012/NA:2012 hr-en izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – 2. dio: Opća pravila i pravila za mostove – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 2: General rules and rules for bridges – National Annex
- HRN EN 1995-1-1:2013/NA:2013 hr-en izv  
Eurokod 5: Projektiranje drvenih konstrukcija – Dio 1-1: Općenito – Opća pravila i pravila za zgrade – Nacionalni dodatak  
Eurocode 5: Design of timber structures – Part 1-1: General – Common rules and rules for buildings – National Annex
- HRN EN 1995-1-2:2013/NA:2013 hr-en izv  
Eurokod 5: Projektiranje drvenih konstrukcija – Dio 1-2: Općenito – Proračun konstrukcija na djelovanje požara – Nacionalni dodatak  
Eurocode 5: Design of timber structures – Part 1-2: General – Structural fire design – National Annex
- HRN EN 1995-2:2013/NA:2013 hr-en izv  
Eurokod 5: Projektiranje drvenih konstrukcija – 2. dio: Mostovi – Nacionalni dodatak  
Eurocode 5: Design of timber structures – Part 2: Bridges – National Annex
- HRN EN 1996-1-1:2012/NA:2012 hr-en izv  
Eurokod 6: Projektiranje zidanih konstrukcija – Dio 1-1: Opća pravila za armirane i nearmirane zidane konstrukcije – Nacionalni dodatak  
Eurocode 6: Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures – National Annex
- HRN EN 1996-1-2:2012/NA:2012 hr-en izv  
Eurokod 6: Projektiranje zidanih konstrukcija – Dio 1-2: Opća pravila – Proračun konstrukcija na djelovanje požara – Nacionalni dodatak

- Eurocode 6: Design of masonry structures – Part 1-2: General rules – Structural fire design – National Annex
- HRN EN 1996-2:2012/NA:2012 hr-en izv  
Eurokod 6: Projektiranje zidanih konstrukcija – 2. dio: Konstruiranje, odabir materijala i izvedba zida – Nacionalni dodatak  
Eurocode 6: Design of masonry structures – Part 2: Design considerations, selection of materials and execution of masonry – National Annex
- HRN EN 1996-3:2012/NA:2012 hr-en izv  
Eurokod 6: Projektiranje zidanih konstrukcija – 3. dio: Pojednostavnjene proračunske metode za near mirane zidane konstrukcije – Nacionalni dodatak  
Eurocode 6: Design of masonry structures – Part 3: Simplified calculation methods for unreinforced masonry structures – National Annex
- HRN EN 1997-1:2012/NA:2012 hr-en izv  
Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila – Nacionalni dodatak  
Eurocode 7: Geotechnical design – Part 1: General rules – National Annex
- HRN EN 1998-1:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 1. dio: Opća pravila, potresna djelovanja i pravila za zgrade – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings – National Annex
- HRN EN 1998-2:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 2. dio: Mostovi – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 2: Bridges – National Annex
- HRN EN 1998-3:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 3. dio: Ocjenjivanje i obnova zgrada – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 3: Assessment and retrofitting of buildings – National Annex
- HRN EN 1998-4:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 4. dio: Silosi, spremnici i cjevovodi – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 4: Silos, tanks and pipelines – National Annex
- HRN EN 1998-5:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 5. dio: Temelji, potporne konstrukcije i geotehnička pitanja – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 5: Foundations, retaining structures and geotechnical aspects – National Annex
- HRN EN 1998-6:2011/NA:2011 hr-en izv  
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 6. dio: Tornjevi, jarboli i dimnjaci – Nacionalni dodatak  
Eurocode 8: Design of structures for earthquake resistance – Part 6: Towers, masts and chimneys – National Annex
- HRN EN 1999-1-1:2008/NA:2013 hr-en izv  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-1: Opća pravila – Nacionalni dodatak  
Eurocode 9: Design of aluminium structures – Part 1-1: General structural rules – National Annex
- HRN EN 1999-1-2:2008/NA:2013 hr-en izv  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara – Nacionalni dodatak  
Eurocode 9: Design of aluminium structures – Part 1-2: Structural fire design – National Annex
- HRN EN 1999-1-3:2008/NA:2013 hr-en izv  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-3: Konstrukcije osjetljive na zamor – Nacionalni dodatak  
Eurocode 9: Design of aluminium structures – Part 1-3: Structures susceptible to fatigue – National Annex
- HRN EN 1999-1-4:2008/NA:2013 hr-en izv  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-4: Hladno oblikovani konstrukcijski limovi – Nacionalni dodatak  
Eurocode 9: Design of aluminium structures – Part 1-4: Cold-formed structural sheeting – National Annex
- HRN EN 1999-1-5:2008/NA:2013 hr-en izv  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-5: Ljuskaste konstrukcije – Nacionalni dodatak  
Eurocode 9: Design of aluminium structures – Part 1-5: Shell structures – National Annex

## 2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

### 01.020 Nazivlje (načela i usklađivanje)

#### Međunarodna normizacija ISO

ISO 24615-1:2014-02  
Language resource management – Syntactic annotation framework (SynAF) – Part 1: Syntactic model

### 01.040.03 Usluge. Ustrojstvo poduzeća i upravljanje poduzećem. Uprava. Prijevoz. Sociologija (Rječnici)

#### Europska normizacija CEN

EN 1325:2014-03  
Value Management – Vocabulary – Terms and definitions

### 01.040.07 Matematika. Prirodne znanosti (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050-114:2014-03  
International electrotechnical vocabulary – Part 114: Electrochemistry

### 01.040.27 Prijenos energije i topline (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050-395:2014-03  
International electrotechnical vocabulary – Part 395: Nuclear instrumentation: Physical phenomena, basic concepts, instruments, systems, equipment and detectors

### 01.040.29 Elektrotehnika (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050 AMD 1:2014-02  
International Electrotechnical Vocabulary – Part 161: Electromagnetic compatibility – Part 732: Computer network technology – Part 851: Electric welding

IEC 60050-114:2014-03  
International electrotechnical vocabulary – Part 114: Electrochemistry

IEC 60050-395:2014-03  
International electrotechnical vocabulary – Part 395: Nuclear instrumentation: Physical phenomena, basic concepts, instruments, systems, equipment and detectors

### 01.040.91 Konstrukcijski materijali i gradnja (Rječnici)

#### Međunarodna normizacija ISO

ISO 6707-1:2014-03  
Buildings and civil engineering works – Vocabulary – Part 1: General terms

ISO 6707-2:2014-03  
Buildings and civil engineering works – Vocabulary – Part 2: Contract terms

### 01.040.93 Niskogradnja (Rječnici)

#### Međunarodna normizacija ISO

ISO 6707-1:2014-03  
Buildings and civil engineering works – Vocabulary – Part 1: General terms

### 01.070 Označivanje bojama

#### Međunarodna normizacija ISO

ISO 7010 AMD 5:2014-02  
Graphical symbols – Safety colours and safety signs – Registered safety signs; Amendment 5

### 01.080.10 Znakovi za javne obavijesti

#### Međunarodna normizacija ISO

ISO 7010 AMD 5:2014-02  
Graphical symbols – Safety colours and safety signs – Registered safety signs; Amendment 5

ISO 20712-3:2014-03  
Water safety signs and beach safety flags – Part 3: Guidance for use

ISO 7001 AMD 1 Technical Corrigendum 1:2014-04  
Graphical symbols – Public information symbols; Amendment 1; Technical Corrigendum 1

ISO 9186-1:2014-03  
Graphical symbols – Test methods – Part 1: Method for testing comprehensibility

### 01.080.30 Grafički znakovi za uporabu u strojarskim i građevnim crtežima, shemama, planovima, zemljovidima i u odgovarajućoj tehničkoj dokumentaciji o proizvodima

#### Europska normizacija CEN

EN ISO 12671:2014-03  
Thermal spraying – Thermally sprayed coatings – Symbolic representation on drawings (ISO 12671:2012)

#### Međunarodna normizacija ISO

ISO 5859:2014-03  
Aerospace series – Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components

## 01.100.20 Crteži u strojarstvu

### Međunarodna normizacija

#### ISO

- ISO 128-24:2014-02  
Technical drawings – General principles of presentation – Part 24: Lines on mechanical engineering drawings

## 01.100.25 Crteži u elektrotehnici i elektronici

### Međunarodna normizacija

#### IEC

- IEC 61837-2 AMD 1:2014-03  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures
- IEC 61837-2 Edition 2.1:2014-03  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures

## 01.120 Normizacija. Opća pravila

### Međunarodna normizacija

#### ISO

- ISO Guide 82:2014-03  
Guidelines for addressing sustainability in standards

## 01.140.20 Informacijske znanosti

### Međunarodna normizacija

#### ISO

- ISO/TR 18128:2014-03  
Information and documentation – Risk assessment for records processes and systems

## 03.080.30 Usluge za potrošače

### Europska normizacija

#### CEN

- EN ISO 24801-1:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 1: Level 1 – Supervised diver (ISO 24801-1:2014)
- EN ISO 24801-2:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 2: Level 2 – Autonomous diver (ISO 24801-2:2014)
- EN ISO 24801-3:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 3: Level 3 – Dive leader (ISO 24801-3:2014)
- EN ISO 24802-1:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 1: Level 1 (ISO 24802-1:2014)
- EN ISO 24802-2:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 2: Level 2 (ISO 24802-2:2014)

## 03.100.10 Nabava. Opskrba. Upravljanje zalihama

### Europska normizacija

#### CEN

- CEN/CLC/ETSI TR 101550:2014-02  
Documents relevant to EN 301549 „Accessibility requirements suitable for public procurement of ICT products and services in Europe“
- CEN/CLC/ETSI TR 101551:2014-02  
Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe

### Međunarodna normizacija

#### ISO

- ISO 28004-2:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations
- ISO 28004-3:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 3: Additional specific guidance for adopting ISO 28000 for use by medium and small businesses (other than marine ports)
- ISO 28004-4:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 4: Additional specific guidance on implementing ISO 28000 if compliance with ISO 28001 is a management objective

## 03.100.30 Upravljanje ljudskim resursima

### Europska normizacija

#### CEN

- EN ISO 24802-1:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 1: Level 1 (ISO 24802-1:2014)
- EN ISO 24802-2:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 2: Level 2 (ISO 24802-2:2014)

### Međunarodna normizacija

#### ISO

- ISO 18436-4:2014-02  
Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 4: Field lubricant analysis
- ISO 18436-6:2014-02  
Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 6: Acoustic emission
- ISO/IEC 20016-1:2014-02  
Information technology for learning, education and training – Language accessibility and human interface equivalencies (HIEs) in e-learning applications – Part 1: Framework and reference model for semantic interoperability



### 03.100.40 Istraživanje i razvoj

#### Europska normizacija

##### CEN

EN 1325:2014-03  
Value Management – Vocabulary – Terms and definitions

### 03.120.10 Upravljanje kvalitetom i osiguranje kvalitete

#### Međunarodna normizacija

##### ISO

ISO 18091:2014-02  
Quality management systems – Guidelines for the application of ISO 9001:2008 in local government

### 03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

#### Europska normizacija

##### CEN

CEN/CLC/ETSI TR 101552:2014-03  
Guidance for the application of conformity assessment to accessibility requirements for public procurement of ICT products and services in Europe

### 03.180 Izobrazba

#### Međunarodna normizacija

##### ISO

ISO 29991:2014-03  
Language learning services outside formal education – Requirements

### 03.200 Slobodno vrijeme. Turizam

#### Europska normizacija

##### CEN

EN ISO 24801-1:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 1: Level 1 – Supervised diver (ISO 24801-1:2014)

EN ISO 24801-2:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 2: Level 2 – Autonomous diver (ISO 24801-2:2014)

EN ISO 24801-3:2014-04  
Recreational diving services – Requirements for the training of recreational scuba divers – Part 3: Level 3 – Dive leader (ISO 24801-3:2014)

EN ISO 24802-1:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 1: Level 1 (ISO 24802-1:2014)

EN ISO 24802-2:2014-04  
Recreational diving services – Requirements for the training of scuba instructors – Part 2: Level 2 (ISO 24802-2:2014)

### 03.220.01 Prijevoz općenito

#### Međunarodna normizacija

##### ISO

ISO 17185-1:2014-04  
Intelligent transport systems – Public transport user information – Part 1: Standards framework for public information systems

### 07.030 Fizika. Kemija

#### Međunarodna normizacija

##### IEC

IEC 60050-114:2014-03  
International electrotechnical vocabulary – Part 114: Electrochemistry

### 07.060 Geologija. Meteorologija. Hidrologija

#### Europska normizacija

##### CEN

CEN/TR 16588:2014-03  
Manual measurement of snow water equivalent

### 07.100.20 Mikrobiologija vode

#### Europska normizacija

##### CEN

EN ISO 17994:2014-02  
Water quality – Requirements for the comparison of the relative recovery of microorganisms by two quantitative methods (ISO 17994:2014)

#### Međunarodna normizacija

##### ISO

ISO 17994:2014-02  
Water quality – Requirements for the comparison of the relative recovery of microorganisms by two quantitative methods

### 07.100.30 Mikrobiologija hrane

#### Europska normizacija

##### CEN

EN ISO 4833-2/AC:2014-02  
Microbiology of the food chain – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 degrees C by the surface plating technique; Technical Corrigendum 1 (ISO 4833-2:2013/Cor 1:2014)

### 11.040.01 Medicinska oprema općenito

#### Međunarodna normizacija

##### IEC

IEC 60601-1-2:2014-02  
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic disturbances – Requirements and tests

## 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

### Međunarodna normizacija ISO

ISO 16571:2014-03  
Systems for evacuation of plume generated by medical devices

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija ISO

ISO 11663:2014-04  
Quality of dialysis fluid for haemodialysis and related therapies

ISO 13958:2014-04  
Concentrates for haemodialysis and related therapies

ISO 13959:2014-04  
Water for haemodialysis and related therapies

ISO 23500:2014-04  
Guidance for the preparation and quality management of fluids for haemodialysis and related therapies

ISO 26722:2014-04  
Water treatment equipment for haemodialysis applications and related therapies

## 11.040.25 Šprice. Igle. Kateteri

### Međunarodna normizacija ISO

ISO 17218:2014-02  
Sterile acupuncture needles for single use

## 11.040.30 Kirurški instrumenti i gradiva

### Međunarodna normizacija IEC

IEC 60601-2-2 Corrigendum 1:2014-02  
Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories; Corrigendum 1

## 11.040.40 Implantati za kirurgiju, protetiku i ortotiku

### Europska normizacija CEN

EN ISO 21536/A1:2014-03  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants; Amendment 1 (ISO 21536:2007/Amd 1:2014)

### Međunarodna normizacija ISO

ISO/TR 16379:2014-03  
Tissue-engineered medical products – Evaluation of anisotropic structure of articular cartilage using DT (Diffusion Tensor)-MR Imaging

ISO 21536 AMD 1:2014-03  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants; Amendment 1

## 11.040.55 Dijagnostička oprema

### Međunarodna normizacija IEC

IEC 62570:2014-02  
Standard practice for marking medical devices and other items for safety in the magnetic resonance environment

ISO 8600-4:2014-03  
Endoscopes – Medical endoscopes and endotherapy devices – Part 4: Determination of maximum width of insertion portion

## 11.140 Bolnička oprema

### Europska normizacija CEN

EN 14683:2014-03  
Medical face masks – Requirements and test methods

## 11.180.10 Pomagala i prilagodbe za kretanje

### Europska normizacija CEN

EN 12183:2014-03  
Manual wheelchairs – Requirements and test methods

EN 12184:2014-03  
Electrically powered wheelchairs, scooters and their chargers – Requirements and test methods

## 11.180.20 Pomagala za inkontinenciju i ostromiju

### Međunarodna normizacija ISO

ISO 12505-1:2014-02  
Skin barrier for ostomy aids – Test methods – Part 1: Size, surface pH and water-absorbency

## 13.020.20 Ekogospodarstvo

### Međunarodna normizacija ISO

ISO/TR 37150:2014-02  
Smart community infrastructures – Review of existing activities relevant to metrics

## 13.030.01 Otpad općenito

### Europska normizacija CEN

EN 16457:2014-03  
Characterization of waste – Framework for the preparation and application of a testing programme – Objectives, planning and report

### 13.030.99 Druge norme koje se odnose na otpad

#### Europska normizacija CEN

- EN 50625-1  
Sammlung, Logistik und Behandlung von Elektro- und Elektronik-Altgeräten (WEEE) – Teil 1: Allgemeine Anforderungen an die Behandlung

### 13.040.20 Atmosfera okoliša

#### Europska normizacija CEN

- EN 16413:2014-02  
Ambient air – Biomonitoring with lichens – Assessing epiphytic lichen diversity
- EN 16414:2014-02  
Ambient air – Biomonitoring with mosses – Accumulation of atmospheric contaminants in mosses collected in situ: from the collection to the preparation of samples

### 13.040.50 Ispuštanja plinova iz prijevoznih sredstava

#### Međunarodna normizacija ISO

- ISO 15031-4:2014-02  
Road vehicles – Communication between vehicle and external equipment for emissions-related diagnostics – Part 4: External test equipment

### 13.060.50 Ispitivanje voda na kemijske tvari

#### Međunarodna normizacija ISO

- ISO 17378-1:2014-02  
Water quality – Determination of arsenic and antimony – Part 1: Method using hydride generation atomic fluorescence spectrometry (HG-AFS)
- ISO 17378-2:2014-02  
Water quality – Determination of arsenic and antimony – Part 2: Method using hydride generation atomic absorption spectrometry (HG-AAS)

### 13.060.60 Ispitivanje fizikalnih svojstava vode

#### Međunarodna normizacija ISO

- ISO 13166:2014-03  
Water quality – Uranium isotopes – Test method using alpha-spectrometry

### 13.060.70 Ispitivanje biologijskih svojstava vode

#### Europska normizacija CEN

- EN 13946:2014-03  
Water quality – Guidance for the routine sampling and preparation of benthic diatoms from rivers and lakes

- EN 14184:2014-03  
Water quality – Guidance for the surveying of aquatic macrophytes in running waters
- EN 14407:2014-03  
Water quality – Guidance for the identification and enumeration of benthic diatom samples from rivers and lakes

### 13.080.05 Ispitivanje tla općenito, uključujući uzorkovanje

#### Europska normizacija CEN

- EN ISO 18772:2014-03  
Soil quality – Guidance on leaching procedures for subsequent chemical and ecotoxicological testing of soils and soil materials (ISO 18772:2008)

### 13.080.10 Kemijske značajke tla

#### Europska normizacija CEN

- EN ISO 10693:2014-03  
Soil quality – Determination of carbonate content – Volumetric method (ISO 10693:1995)

#### Međunarodna normizacija ISO

- ISO 13859:2014-02  
Soil quality – Determination of polycyclic aromatic hydrocarbons (PAH) by gas chromatography (GC) and high performance liquid chromatography (HPLC)
- ISO 13913:2014-02  
Soil quality – Determination of selected phthalates using capillary gas chromatography with mass spectrometric detection (GC/MS)
- ISO 18227:2014-03  
Soil quality – Determination of elemental composition by X-ray fluorescence

### 13.080.20 Fizikalna svojstva tla

#### Europska normizacija CEN

- EN ISO 11272 : 2014-03  
Soil quality – Determination of dry bulk density (ISO 11272:1998)
- EN ISO 11276:2014-03  
Soil quality – Determination of pore water pressure – Tensiometer method (ISO 11276:1995)
- EN ISO 11508:2014-03  
Soil quality – Determination of particle density (ISO 11508:1998)

### 13.080.30 Biologijska svojstva tla

#### Europska normizacija CEN

- EN ISO 11267:2014-02  
Soil quality – Inhibition of reproduction of Collembola (*Folsomia candida*) by soil contaminants (ISO 11267:2014)

## Međunarodna normizacija ISO

ISO 11267:2014-02  
Soil quality – Inhibition of reproduction of Collembola  
(Folsomia candida) by soil contaminants

## 13.080.40 Hidrologijska svojstva tla

### Europska normizacija CEN

EN ISO 11274:2014-03  
Soil quality – Determination of the water-retention characteristic – Laboratory methods  
(ISO 11274:1998 + Cor 1:2009)

EN ISO 11275:2014-03  
Soil quality – Determination of unsaturated hydraulic conductivity and water-retention characteristic – Wind's evaporation method (ISO 11275:2004)

EN ISO 11461:2014-03  
Soil quality – Determination of soil water content as a volume fraction using coring sleeves – Gravimetric method (ISO 11461:2001)

## 13.110 Sigurnost strojeva

### Europska normizacija CEN

CEN Guide 414:2014-04  
Safety of machinery – Rules for the drafting and presentation of safety standards

## 13.180 Ergonomija

### Europska normizacija CEN

CEN/CLC/ETSI TR 101550:2014-02  
Documents relevant to EN 301549 „Accessibility requirements suitable for public procurement of ICT products and services in Europe“

CEN/CLC/ETSI TR 101551 : 2014-02  
Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe

### Međunarodna normizacija ISO

ISO/TR 12295:2014-04  
Ergonomics – Application document for International Standards on manual handling (ISO 11228-1, ISO 11228-2 and ISO 11228-3) and evaluation of static working postures (ISO 11226)

## 13.220.10 Vatrogastvo

### Europska normizacija CEN

EN 16327:2014-02  
Fire-fighting – Positive-pressure proportioning systems (PPPS) and compressed-air foam systems (CAFS)

## 13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

### Europska normizacija CEN

EN 71-2+A1:2014-03  
Safety of toys – Part 2: Flammability

### CENELEC

EN 60754-1  
Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen entstehenden Gase – Teil 1: Bestimmung des Gehaltes an Halogenwasserstoffsäure (IEC 60754-1:2011 + corrigendum Nov. 2013)

EN 60754-2  
Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen entstehenden Gase – Teil 2: Bestimmung der Azidität (durch Messung des pH-Wertes) und Leitfähigkeit (IEC 60754-2:2011)

EN 60695-11-2:2014-03  
Fire hazard testing – Part 11-2: Test flames – 1 kW pre-mixed flame: Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-2:2013)

### Međunarodna normizacija IEC

IEC 60695-2-11:2014-02  
Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)

IEC 60695-2-12 AMD 1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials

IEC 60695-2-12 Edition 2.1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials

IEC 60695-2-13 AMD 1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials

IEC 60695-2-13 Edition 2.1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials

IEC 60695-10-2:2014-02  
Fire hazard testing – Part 10-2: Abnormal heat; Ball pressure test

IEC 60695-9-2:2014-02  
Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods

## 13.220.50 Vatrootpornost građevnih materijala i elemenata

### Europska normizacija CEN

EN 1994-1-2/A1:2014-02  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design



EN 13501-6:2014-03  
Fire classification of construction products and building elements – Part 6: Classification using data from reaction to fire tests on electric cables

### **Međunarodna normizacija ISO**

- ISO 834-10:2014-03  
Fire resistance tests – Elements of building construction – Part 10: Specific requirements to determine the contribution of applied fire protection materials to structural steel elements
- ISO 834-11:2014-03  
Fire resistance tests – Elements of building construction – Part 11: Specific requirements for the assessment of fire protection to structural steel elements
- ISO 13784-1:2014-02  
Reaction to fire test for sandwich panel building systems – Part 1: Small room test  
Ersatz für ISO 13784-1:2002-12

### **13.280      Zaštita od zračenja**

#### **Međunarodna normizacija ISO**

- ISO 19238:2014-02  
Radiological protection – Performance criteria for service laboratories performing biological dosimetry by cytogenetics
- ISO 28057:2014-03  
Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy

### **13.300      Zaštita od opasnih tvari**

#### **Europska normizacija CEN**

- EN ISO 13274/AC:2014-04  
Packaging – Transport packaging for dangerous goods – Plastics compatibility testing for packaging and IBCs – Technical Corrigendum 1 (ISO 13274:2013/Cor 1:2014)

#### **Međunarodna normizacija ISO**

- ISO 13274 Technical Corrigendum 1:2014-04  
Packaging – Transport packaging for dangerous goods – Plastics compatibility testing for packaging and IBCs; Technical Corrigendum 1

### **13.310      Zaštita od kriminala**

#### **Međunarodna normizacija IEC**

- IEC 62709:2014-02  
Radiation protection instrumentation – Security screening of humans – Measuring the imaging performance of X-ray systems

### **13.320      Alarmni sustavi i sustavi uzbunjivanja**

#### **Europska normizacija CENELEC**

- EN 50131-2-2/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors – Passive infrared detectors
- EN 50131-2-3/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-3: Requirements for microwave detectors
- EN 50131-2-4/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-4: Requirements for combined passive infrared and microwave detectors
- EN 50131-2-5/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors
- EN 50131-2-6/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-6: Opening contacts (magnetic)
- EN 50131-2-7-1/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-7-1: Intrusion detectors – Glass break detectors (acoustic)
- EN 50131-2-7-2/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-7-2: Intrusion detectors – Glass break detectors (passive)
- EN 50131-2-7-3/IS1:2014-02  
Alarm systems – Intrusion and hold-up systems – Part 2-7-3: Intrusion detectors – Glass break detectors (active)

#### **Međunarodna normizacija IEC**

- IEC 60079-29-3:2014-03  
Explosive atmospheres – Part 29-3: Gas detectors – Guidance on functional safety of fixed gas detection systems

### **13.340.50    Zaštitna obuća**

#### **Europska normizacija CEN**

- EN ISO 17249/AC:2014-02  
Safety footwear with resistance to chain saw cutting (ISO 17249:2013)

### **17.040.30    Mjerni instrumenti**

#### **Europska normizacija CEN**

- EN ISO 25178-70:2014-02  
Geometrical product specification (GPS) – Surface texture: Areal – Part 70: Material measures (ISO 25178-70:2014)

#### **Međunarodna normizacija ISO**

- ISO 25178-70:2014-02  
Geometrical product specification (GPS) – Surface texture: Areal – Part 70: Material measures

## 17.140.20 Buka koju proizvode strojevi i oprema

### Međunarodna normizacija ISO

ISO 27327-2:2014-02  
Fans – Air curtain units – Part 2: Laboratory methods of testing for sound power

## 17.140.50 Elektroakustika

### Međunarodna normizacija IEC

IEC 61260-1:2014-02  
IEC 61260-1: Electroacoustics – Octave-band and fractional-octave-band filters – Part 1: Specifications

## 17.160 Vibracije, udari i mjerenja vibracija

### Međunarodna normizacija ISO

ISO 18436-6:2014-02  
Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 6: Acoustic emission

## 17.180.20 Boje i mjerenje svjetlosti

### Europska normizacija CEN

EN 62707-1  
LED-Binning – Allgemeine Anforderungen und Weißfelder (IEC 62707-1:2013)

### Međunarodna normizacija ISO

ISO/CIE 11664-6:2014-02  
Colorimetry – Part 6: CIEDE2000 Colour-difference formula

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Europska normizacija CENELEC

EN 61786-1  
Messung von magnetischen Gleichfeldern und von elektrischen und magnetischen Wechselfeldern von 1 Hz bis 100 kHz im Hinblick auf die Exposition von Personen – Anforderungen an Messgeräte (IEC 61786-1:2013)

### Međunarodna normizacija IEC

IEC 61557-15:2014-02  
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. equipment for testing, measuring or monitoring of protective measures – Part 15: Functional safety requirements for insulation monitoring devices in IT systems and for equipment for insulation fault location in IT systems

## 17.240 Mjerenja zračenja

### Međunarodna normizacija IEC

IEC 62709:2014-02  
Radiation protection instrumentation – Security screening of humans – Measuring the imaging performance of X-ray systems

IEC 62694:2014-03  
Radiation protection instrumentation – Backpack-type radiation detector (BRD) for detection of illicit trafficking of radioactive material

## 19.040 Ispitivanje utjecaja okoliša

### Europska normizacija CENELEC

EN 60068-1:2014-03  
Umgebungseinflüsse – Teil 1: Allgemeines und Leitfaden (IEC 60068-1:2013)

### Međunarodna normizacija IEC

IEC 60721-2-9:2014-03  
Classification of environmental conditions – Part 2-9: Environmental conditions appearing in nature – Measured shock and vibration data – Storage, transportation and in-use

## 19.100 Nerazorna ispitivanja

### Europska normizacija CEN

CEN/TR 15589:2014-02  
Non destructive testing – Code of practice for the approval of NDT personnel by recognised third party organisations under the provisions of Directive 97/23/EC

CEN/TR 16638:2014-02  
Non-destructive testing – Penetrant and magnetic particle testing using blue light

EN ISO 16810:2014-03  
Non-destructive testing – Ultrasonic testing – General principles (ISO 16810:2012)

EN ISO 16811:2014-03  
Non-destructive testing – Ultrasonic testing – Sensitivity and range setting (ISO 16811:2012)

EN ISO 16823:2014-03  
Non-destructive testing – Ultrasonic testing – Transmission technique (ISO 16823:2012)

EN ISO 16826:2014-03  
Non-destructive testing – Ultrasonic testing – Examination for discontinuities perpendicular to the surface (ISO 16826:2012)

EN ISO 16827:2014-03  
Non-destructive testing – Ultrasonic testing – Characterization and sizing of discontinuities (ISO 16827:2012)

EN ISO 16828:2014-03  
Non-destructive testing – Ultrasonic testing – Time-of-flight diffraction technique as a method for detection and sizing of discontinuities (ISO 16828:2012)

EN 16392-2:2014-03  
Non-destructive testing – Characterisation and verification of ultrasonic phased array equipment – Part 2: Probes

## 19.120 Analiza veličine čestica. Prosijavanje

### Međunarodna normizacija ISO

- ISO 12154:2014-04  
Determination of density by volumetric displacement – Skeleton density by gas pycnometry

## 21.160 Opruge

### Međunarodna normizacija ISO

- ISO 11901-3:2014-03  
Tools for pressing – Gas springs – Part 3: Gas spring with increased spring force and compact built height
- ISO 11901-4:2014-03  
Tools for pressing – Gas springs – Part 4: Gas springs with increased spring force and same built height

## 21.200 Zupčanici

### Međunarodna normizacija ISO

- ISO 10300-1:2014-04  
Calculation of load capacity of bevel gears – Part 1: Introduction and general influence factors
- ISO 10300-2:2014-04  
Calculation of load capacity of bevel gears – Part 2: Calculation of surface durability (pitting)
- ISO 10300-3:2014-04  
Calculation of load capacity of bevel gears – Part 3: Calculation of tooth root strength

## 21.220.10 Remenski pogon i njegove sastavnice

### Međunarodna normizacija ISO

- ISO 1813:2014-02  
Belt drives – V-ribbed belts, joined V-belts and V-belts including wide section belts and hexagonal belts – Electrical conductivity of antistatic belts: Characteristics and methods of test
- ISO 11749:2014-02  
Belt drive – V-ribbed belts for the automotive industry – Fatigue test

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Europska normizacija CEN

- CEN/TR 14473:2014-03  
Transportable gas cylinders – Porous materials for acetylene cylinders
- EN 14570:2014-04  
LPG equipment and accessories – Equipping of overground and underground LPG vessels
- EN 15888:2014-04  
Transportable gas cylinders – Cylinder bundles – Periodic inspection and testing

### Međunarodna normizacija ISO

- ISO 5145:2014-03  
Cylinder valve outlets for gases and gas mixtures – Selection and dimensioning

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Europska normizacija CEN

- EN 1329-1:2014-02  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system
- EN 12007-5:2014-04  
Gas infrastructure – Pipelines for maximum operating pressure up to and including 16 bar – Part 5: Service lines – Specific functional requirements

## 23.040.20 Plastične cijevi

### Međunarodna normizacija ISO

- ISO 16422:2014-02  
Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Specifications

## 23.040.45 Plastični fitinzi

### Međunarodna normizacija ISO

- ISO 16422:2014-02  
Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Specifications

## 23.040.70 Crijeva i crijevni sklopovi

### Europska normizacija CEN

- EN ISO 8331:2014-04  
Rubber and plastics hoses and hose assemblies – Guidelines for selection, storage, use and maintenance (ISO 8331:2014)

### Međunarodna normizacija ISO

- ISO 2929:2014-03  
Rubber hoses and hose assemblies for bulk fuel delivery by truck – Specification
- ISO 8331:2014-04  
Rubber and plastics hoses and hose assemblies – Guidelines for selection, storage, use and maintenance
- ISO 18752:2014-04  
Rubber hoses and hose assemblies – Wire- or textile-reinforced single-pressure types for hydraulic applications – Specification

## 23.060.40 Regulatori tlaka

### Europska normizacija

#### CEN

- EN 14129:2014-02  
LPG Equipment and accessories – Pressure relief valves for LPG pressure vessels
- EN 1643:2014-03  
Safety and control devices for gas burners and gas burning appliances – Valve proving systems for automatic shut-off valves

## 23.100.01 Sustavi za hidraulički i pneumatski prijenos energije općenito

### Međunarodna normizacija

#### ISO

- ISO 19973-4:2014-03  
Pneumatic fluid power – Assessment of component reliability by testing – Part 4: Pressure regulators

## 23.120 Ventilatori. Klimatizacijski uređaji

### Međunarodna normizacija

#### ISO

- ISO 27327-2:2014-02  
Fans – Air curtain units – Part 2: Laboratory methods of testing for sound power

## 23.140 Kompresori i pneumatski strojevi

### Europska normizacija

#### CEN

- EN 12583:2014-03  
Gas Infrastructure – Compressor stations – Functional requirements

## 25.020 Proizvodni procesi

### Međunarodna normizacija

#### ISO

- ISO 18436-4:2014-02  
Condition monitoring and diagnostics of machines – Requirements for qualification and assessment of personnel – Part 4: Field lubricant analysis

## 25.040.30 Industrijski roboti. Manipulatori

### Međunarodna normizacija

#### ISO

- ISO 13482:2014-02  
Robots and robotic devices – Safety requirements for personal care robots

## 25.120.10 Oprema za kovanje. Preše. Škare

### Međunarodna normizacija

#### ISO

- ISO 11901-3:2014-03  
Tools for pressing – Gas springs – Part 3: Gas spring with increased spring force and compact built height
- ISO 11901-4:2014-03  
Tools for pressing – Gas springs – Part 4: Gas springs with increased spring force and same built height

## 25.140.01 Ručni alati općenito

### Međunarodna normizacija

#### ISO

- ISO 2351-3:2014-02  
Assembly tools for screws and nuts – Machine-operated screwdriver bits – Part 3: Screwdriver bits for hexagon socket screws

## 25.140.20 Električni alati

### Europska normizacija

#### CENELEC

- EN 62841-1/AA  
Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen – Sicherheit – Teil 1: Allgemeine Anforderungen

### Međunarodna normizacija

#### IEC

- IEC 62841-1:2014-03  
Electric Motor-Operated Hand-Held, Transportable Tools and Lawn and Garden Machinery – Safety – Part 1: General requirements

## 25.160.20 Potrošna gradiva za zavarivanje

### Europska normizacija

#### CEN

- EN 14700:2014-04  
Welding consumables – Welding consumables for hard-facing

## 25.160.30 Oprema za zavarivanje

### Europska normizacija

#### CEN

- EN ISO 5826:2014-02  
Resistance welding equipment – Transformers – General specifications applicable to all transformers (ISO 5826:2014)

### Međunarodna normizacija

#### ISO

- ISO 5826:2014-02  
Resistance welding equipment – Transformers – General specifications applicable to all transformers

#### IEC

- IEC 60974-10:2014-02  
Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements



## 25.160.40 Zavareni spojevi

### Europska normizacija

#### CEN

- EN 12814-3:2014-02  
Testing of welded joints in thermoplastics semi-finished products – Part 3: Tensile creep test
- EN ISO 5817:2014-02  
Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections (ISO 5817:2014)

### Međunarodna normizacija

#### ISO

- ISO 5817:2014-02  
Welding – Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded) – Quality levels for imperfections

## 25.160.50 Tvrdo i meko lemljenje

### Međunarodna normizacija

#### IEC

- IEC 61190-1-2:2014-02  
Attachment materials for electronic assembly – Part 1-2: Requirements for soldering paste for high-quality interconnects in electronics assembly

## 25.220.20 Površinska obrada

### Europska normizacija

#### CEN

- EN ISO 12671:2014-03  
Thermal spraying – Thermally sprayed coatings – Symbolic representation on drawings (ISO 12671:2012)

## 27.120.10 Reaktorska tehnika

### Međunarodna normizacija

#### IEC

- IEC 60050-395:2014-03  
International electrotechnical vocabulary – Part 395: Nuclear instrumentation: Physical phenomena, basic concepts, instruments, systems, equipment and detectors

## 27.160 Solarna energetika

### Međunarodna normizacija

#### IEC

- IEC 62116:2014-02  
Utility-interconnected photovoltaic inverters – Test procedure of islanding prevention measures

## 27.180 Sustavi vjetrovinih turbina i drugi alternativni izvori energije

### Europska normizacija

#### CENELEC

- EN 61400-2  
Windenergieanlagen – Teil 2: Anforderungen für kleine Windenergieanlagen (IEC 61400-2:2013)

## 29.020 Elektrotehnika općenito

### Europska normizacija

#### CENELEC

- EN 60695-11-2:2014-03  
Fire hazard testing – Part 11-2: Test flames – 1 kW pre-mixed flame: Apparatus, confirmatory test arrangement and guidance (IEC 60695-11-2:2013)

### Međunarodna normizacija

#### IEC

- IEC 60050 AMD 1:2014-02  
International Electrotechnical Vocabulary – Part 161: Electromagnetic compatibility – Part 732: Computer network technology – Part 851: Electric welding
- IEC 60695-2-11:2014-02  
Fire hazard testing – Part 2-11: Glowing/hot-wire based test methods – Glow-wire flammability test method for end-products (GWEPT)
- IEC 60695-2-12 AMD 1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials
- IEC 60695-2-12 Edition 2.1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials
- IEC 60695-2-13 AMD 1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials
- IEC 60695-2-13 Edition 2.1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials
- IEC 60695-10-2:2014-02  
Fire hazard testing – Part 10-2: Abnormal heat; Ball pressure test
- IEC 60050-114:2014-03  
International electrotechnical vocabulary – Part 114: Electrochemistry
- IEC 60050-395:2014-03  
International electrotechnical vocabulary – Part 395: Nuclear instrumentation: Physical phenomena, basic concepts, instruments, systems, equipment and detectors
- IEC 60695-9-2:2014-02  
Fire hazard testing – Part 9-2: Surface spread of flame – Summary and relevance of test methods

## 29.035.01 Izolacijski materijali općenito

### Međunarodna normizacija

#### IEC

- IEC 60695-2-12 AMD 1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials
- IEC 60695-2-12 Edition 2.1:2014-02  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials
- IEC 60695-2-13 AMD 1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials
- IEC 60695-2-13 Edition 2.1:2014-02  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials

## 29.035.10 Papirna i kartonska izolacijska gradiva

### Europska normizacija CENELEC

- EN 60819-3-4  
Zellulosefreie Papiere für elektrotechnische Zwecke – Teil 3: Bestimmungen für einzelne Materialien – Blatt 4: Papier aus Aramidfaser mit einem Glimmeranteil von nicht mehr als 50 % (IEC 60819-3-4:2013)

## 29.035.20 Plastični i gumeni izolacijski materijali

### Europska normizacija CENELEC

- EN 60684-3-216/A2  
Isolierschläuche – Teil 3: Anforderungen für einzelne Schlauchtypen – Blatt 216: Wärmeschrumpfende, flammwidrige Schläuche mit begrenztem Brandrisiko (IEC 60684-3-216:2001/A2:2013)
- EN 60684-3-280/A1  
Isolierschläuche – Teil 3: Anforderungen für einzelne Schlauchtypen – Blatt 280: Polyolefin-Wärmeschrumpfschläuche, kriechstromfest (IEC 60684-3-280:2010/A1:2013)
- EN 60684-3-283/A1  
Isolierschläuche – Teil 3: Anforderungen für einzelne Schlauchtypen – Blatt 283: Polyolefin-Wärmeschrumpfschläuche für die Isolierung von Sammelschienen (IEC 60684-3-283:2010/A1:2013)

### Međunarodna normizacija IEC

- IEC 60893-3-4 Corrigendum 1:2014-03  
Insulating materials – Industrial rigid laminated sheets based on thermosetting resins for electrical purposes – Part 3-4: Specifications for individual materials; Requirements for rigid laminated sheets based on phenolic resins; Corrigendum 1
- IEC 61212-1 Corrigendum 1:2014-03  
Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 1: Definitions, designation and general requirements; Corrigendum 1

## 29.040.10 Izolacijska ulja

### Međunarodna normizacija IEC

- IEC 62021-3:2014-03  
Insulating liquids – Determination of acidity – Part 3: Test methods for non mineral insulating oils
- IEC 62701:2014-03  
Fluids for electrotechnical applications – Recycled mineral insulating oils for transformers and switchgear

## 29.060.10 Žice

### Europska normizacija CENELEC

- EN 60317-20:2014-02  
Specifications for particular types of winding wires – Part 20: Solderable polyurethane enamelled round copper wire, class 155 (IEC 60317-20:2013)

- EN 60317-21:2014-02  
Specifications for particular types of winding wires – Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155 (IEC 60317-21:2013)
- EN 60317-23:2014-02  
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:2013)
- EN 60317-27:2014-02  
Specifications for particular types of winding wires – Part 27: Paper tape covered rectangular copper wire (IEC 60317-27:2013)
- EN 60317-28:2014-02  
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:2013)

### Međunarodna normizacija IEC

- IEC 60317-51:2014-02  
Specifications for particular types of winding wires – Part 51: Solderable polyurethane enamelled round copper wire, class 180
- IEC 60317-52:2014-02  
Specifications for particular types of winding wires – Part 52: Aromatic polyamide (aramid) tape wrapped round copper wire, temperature index 220
- IEC 60317-53:2014-03  
Specifications for particular types of winding wires – Part 53: Aromatic polyamide (aramid) tape wrapped rectangular copper wire, temperature index 220

## 29.060.20 Kabeli

### Europska normizacija CENELEC

- EN 13501-6:2014-03  
Fire classification of construction products and building elements – Part 6: Classification using data from reaction to fire tests on electric cables
- EN 60754-1  
Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen entstehenden Gase – Teil 1: Bestimmung des Gehaltes an Halogenwasserstoffsäure (IEC 60754-1:2011 + corrigendum Nov. 2013)
- EN 60754-2  
Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen entstehenden Gase – Teil 2: Bestimmung der Azidität (durch Messung des pH-Wertes) und Leitfähigkeit (IEC 60754-2:2011)
- EN 50565-1  
Kabel und Leitungen – Leitfaden für die Verwendung von Kabeln und isolierten Leitungen mit einer Nennspannung nicht über 450/750 V – Teil 1: Allgemeiner Leitfaden
- EN 50565-2  
Kabel und Leitungen – Leitfaden für die Verwendung von Kabeln und isolierten Leitungen mit einer Nennspannung nicht über 450/750 V – Teil 2: Aufbaudaten und Einsatzbedingungen der Kabel- und Leitungsbauarten nach EN 50525

## Međunarodna normizacija IEC

IEC 60502-2:2014-02

Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 2: Cables for rated voltages from 6 kV (Um = 7,2 kV) up

## 29.080.10 Izolatori

### Europska normizacija CENELEC

EN 60507

Fremdschichtprüfungen an Hochspannungs-Isolatoren aus Keramik und Glas zur Anwendung in Wechselspannungssystemen (IEC 60507:2013)

## 29.080.30 Izolacijski sustavi

### Međunarodna normizacija IEC

IEC 61858-1:2014-02

Electrical insulation systems – Thermal evaluation of modifications to an established EIS – Part 1: Wire-wound winding EIS

IEC 61858-2:2014-02

Electrical insulation systems – Thermal evaluation of modifications to an established EIS – Part 2: Form-wound EIS

IEC 60034-18-41:2014-03

Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters – Qualification and quality control tests

## 29.100.01 Sastavnice za električnu opremu općenito

### Europska normizacija CENELEC

EN 50625-1

Sammlung, Logistik und Behandlung von Elektro- und Elektronik-Altgeräten (WEEE) – Teil 1: Allgemeine Anforderungen an die Behandlung

## 29.120.30 Utikači, utičnice, sprežnici

### Međunarodna normizacija IEC

IEC 60884-1 AMD 2 Corrigendum 1:2014-03

Plugs and socket-outlets for household and similar purposes – Part 1: General requirements; Amendment 2; Corrigendum 1

IEC 60884-2-7 AMD 1 Corrigendum 1:2014-03

Plugs and socket-outlets for household and similar purposes – Part 2-7: Particular requirements for cord extension sets; Amendment 1; Corrigendum 1

## 29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

### Međunarodna normizacija IEC

IEC/TR 60269-5:2014-03

Low-voltage fuses – Part 5: Guidance for the application of low-voltage fuses

IEC 60871-4:2014-03

Shunt capacitors for AC power systems having a rated voltage above 1000 V – Part 4: Internal fuses

## 29.120.70 Sklopnici (releji)

### Međunarodna normizacija IEC

IEC 60255-121:2014-03

Measuring relays and protection equipment – Part 121: Functional requirements for distance protection

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija IEC

IEC 62271-106 Corrigendum 1:2014-02

High-voltage switchgear and controlgear – Part 106: Alternating current contactors, contactor-based controllers and motor-starters; Corrigendum 1

IEC 62271-201:2014-03

High-voltage switchgear and controlgear – Part 201: AC solid-insulation enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

IEC 62271-202:2014-03

High-voltage switchgear and controlgear – Part 202: High-voltage/low-voltage prefabricated substation

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Europska normizacija CENELEC

EN 60947-6-1/A1

Niederspannungsschaltgeräte – Teil 6-1: Mehrfunktionsschaltgeräte – Netzumschalter (IEC 60947-6-1:2005/A1:2013)

### Međunarodna normizacija IEC

IEC 62626-1:2014-02

Low-voltage switchgear and controlgear enclosed equipment – Part 1: Enclosed switch-disconnectors outside the scope of IEC 60947-3 to provide isolation during repair and maintenance work

## 29.140.10 Kape i držači svjetiljki

### Međunarodna normizacija IEC

IEC 60061-1 AMD 50:2014-02

Amendment 50: Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps

- IEC 60061-2 AMD 47:2014-02  
Amendment 47: Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders
- IEC 60061-3 AMD 48:2014-02  
Amendment 48: Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges

## 29.140.99 Ostale norme koje se odnose na svjetiljke

### Europska normizacija CENELEC

- EN 62707-1  
LED-Binning – Allgemeine Anforderungen und Weißfelder (IEC 62707-1:2013)

### Međunarodna normizacija IEC

- IEC/TR 62854:2014-02  
Sharp edge testing apparatus and test procedure for lighting equipment

## 29.160.01 Rotacijski strojevi općenito

### Međunarodna normizacija IEC

- IEC 60034-8 AMD 1:2014-03  
Rotating electrical machines – Part 8: Terminal markings and direction of rotation
- IEC 60034-8 Edition 3.1:2014-03  
Rotating electrical machines – Part 8: Terminal markings and direction of rotation
- IEC 60034-18-41:2014-03  
Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters – Qualification and quality control tests

## 29.160.30 Motori

### Međunarodna normizacija IEC

- IEC 60034-30-1:2014-03  
Rotating electrical machines – Part 30-1: Efficiency classes of line operated AC motors (IE-code)

## 29.180 Transformatori. Prigušnice

### Europska normizacija CEN

- EN ISO 5826:2014-02  
Resistance welding equipment – Transformers – General specifications applicable to all transformers (ISO 5826:2014)

### Međunarodna normizacija ISO

- ISO 5826:2014-02  
Resistance welding equipment – Transformers – General specifications applicable to all transformers

## 29.240.01 Mreže za prijenos i razdiobu električne energije općenito

### Međunarodna normizacija IEC

- IEC 61936-1 AMD 1:2014-02  
Power installations exceeding 1 kV a.c. – Part 1: Common rules
- IEC 61936-1 Edition 2.1:2014-02  
Power installations exceeding 1 kV a.c. – Part 1: Common rules

## 29.240.99 Ostala oprema koja se upotrebljava u mrežama za prijenos i razdiobu električne energije

### Europska normizacija CENELEC

- CLC/TR 50609:2014-02  
Technical guidelines for radial HVDC networks

## 29.260.20 Električni uređaji za eksplozivnu atmosferu

### Međunarodna normizacija IEC

- IEC 60079-28 Interpretation Sheet 1:2014-03  
Explosive atmospheres – Protection of equipment and transmission systems using optical radiation; Interpretation Sheet 1
- IEC 60079-29-3:2014-03  
Explosive atmospheres – Part 29-3: Gas detectors – Guidance on functional safety of fixed gas detection systems

## 29.280 Oprema za električnu vuču

### Europska normizacija CENELEC

- EN 50125-1  
Bahnanwendungen – Umweltbedingungen für Betriebsmittel – Teil 1: Betriebsmittel auf Bahnfahrzeugen

## 31.020 Elektronički sastavni dijelovi općenito

### Međunarodna normizacija IEC

- IECQ 03-5:2014-02  
IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – Part 5: IECQ HSPM Scheme – Hazardous Substance Process Management Requirements
- IEC 62368-1:2014-02  
Audio/video, information and communication technology equipment – Part 1: Safety requirements



## 31.060.70 Energetski kondenzatori

### Međunarodna normizacija IEC

- IEC 60831-1:2014-02  
Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V – Part 1: General – Performance, testing and rating – Safety requirements – Guide for installation and operation
- IEC 60831-2:2014-02  
Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V – Part 2: Ageing test, self-healing test and destruction test

## 31.140 Piezoelektrične naprave

### Međunarodna normizacija IEC

- IEC 62761:2014-02  
Guidelines for the measurement method of nonlinearity for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF)

## 31.160 Električni filtri

### Međunarodna normizacija IEC

- IEC 62761:2014-02  
Guidelines for the measurement method of nonlinearity for surface acoustic wave (SAW) and bulk acoustic wave (BAW) devices in radio frequency (RF)

## 31.190 Sklopovi elektroničkih sastavnica

### Međunarodna normizacija IEC

- IEC 61190-1-2:2014-02  
Attachment materials for electronic assembly – Part 1-2: Requirements for soldering paste for high-quality interconnects in electronics assembly

## 31.220.01 Elektromehanički sastavni dijelovi općenito

### Europska normizacija CENELEC

- EN 50625-1  
Sammlung, Logistik und Behandlung von Elektro- und Elektronik-Altgeräten (WEEE) – Teil 1: Allgemeine Anforderungen an die Behandlung

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Europska normizacija CENELEC

- EN 60191-4:2014-03  
Mechanical Standardization of Semiconductor Devices – Part 4: Coding system and classification into forms of package outlines for semiconductor device packages (IEC 60191-4:2013)

### Međunarodna normizacija IEC

- IEC 61837-2 AMD 1:014-03  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures
- IEC 61837-2 Edition 2.1:2014-03  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures

## 31.260 Optoelektronika. Laserska oprema

### Međunarodna normizacija IEC

- IEC 62522:2014-02  
Calibration of tuneable laser sources
- IEC 62715-6-1:2014-02  
Flexible display devices – Part 6-1: Mechanical stress test methods

## 33.020 Telekomunikacije općenito

### Europska normizacija CEN

- CEN/CLC/ETSI TR 101550:2014-02  
Documents relevant to EN 301549 „Accessibility requirements suitable for public procurement of ICT products and services in Europe“
- CEN/CLC/ETSI TR 101551:2014-02  
Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe

## 33.030 Telekomunikacijske usluge. Primjena

### Europska normizacija CEN

- CEN/CLC/ETSI TR 101552:2014-03  
Guidance for the application of conformity assessment to accessibility requirements for public procurement of ICT products and services in Europe
- EN 301549 V 1.1.1:2014-02  
Accessibility requirements suitable for public procurement of ICT products and services in Europe

## 33.040.40 Mreže za prijenos podataka

### Europska normizacija CENELEC

- EN 61850-3  
Kommunikationsnetze und -systeme für die Automatisierung in der elektrischen Energieversorgung – Teil 3: Allgemeine Anforderungen (IEC 61850-3:2013)

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

#### CENELEC

- EN 302885-1 V 1.3.1:2014-03  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 1: Technical characteristics and methods of measurement
- EN 302885-2 V 1.2.1:2014-03  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- EN 302885-3 V 1.2.1:2014-03  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 3: Harmonized EN covering the essential requirements of article 3.3 (e) of the R&TTE Directive

## 33.060.40 Kabelski distribucijski sustavi

### Međunarodna normizacija

#### IEC

- IEC 60728-1-1:2014-03  
Cable networks for television signals, sound signals and interactive services – Part 1-1: RF cabling for two way home networks
- IEC 60728-1-2:2014-03  
Cable networks for television signals, sound signals and interactive services – Part 1-2: Performance requirements for signals delivered at the system outlet in operation (TA 5)
- IEC 60728-10:2014-03  
Cable networks for television signals, sound signals and interactive services – Part 10: System performance of return paths (TA5)
- IEC 60728-14:2014-03  
Cable networks for television signals, sound and interactive services – Part 14: Optical return path systems using RFoG technology

## 33.100.01 Elektromagnetska kompatibilnost općenito

### Europska normizacija

#### CENELEC

### Međunarodna normizacija

#### IEC

- IEC 60974-10:2014-02  
Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

## 33.100.10 Zračenje

### Europska normizacija

#### CENELEC

- EN 12015:2014-03  
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Emission

### Međunarodna normizacija

#### IEC

- IEC 60601-1-2:2014-02  
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic disturbances – Requirements and tests

## 33.100.20 Otpornost

### Međunarodna normizacija

#### IEC

- IEC 60601-1-2:2014-02  
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic disturbances – Requirements and tests

## 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

### Međunarodna normizacija

#### IEC

- IEC 61883-8 Edition 1.1:2014-02  
Consumer audio/video equipment – Digital interface – Part 8: Transmission of ITU-R BT.601 style digital video data
- IEC 62368-1:2014-02  
Audio/video, information and communication technology equipment – Part 1: Safety requirements
- IEC 62379-5-2:2014-03  
Common control interface for networked digital audio and video products – Part 5-2: Transmission over networks – Signalling

## 33.160.30 Audiosustavi

### Europska normizacija

#### CENELEC

- EN 61937-6/A1  
Digitalton – Schnittstelle für nichtlinear-PCM-codierte Audio-Bitströme unter Verwendung von IEC 60958 – Teil 6: Nichtlineare PCM-Bitströme nach MPEG-2 AAC- und MPEG-4 AAC-Audio-Formaten (IEC 61937-6:2006/A1:2014)

## 33.160.40 Videosustavi

### Međunarodna normizacija

#### IEC

- IEC 61883-8 AMD 1:2014-02  
Consumer audio/video equipment – Digital interface – Part 8: Transmission of ITU-R BT.601 style digital video data (TA 4)

## 33.160.60 Multimedijski sustavi i telekonferencijska oprema

### Međunarodna normizacija

#### IEC

- IEC 62481-4:2014-03  
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 4: DRM interoperability solutions (TA 9)
- IEC 62608-1:2014-03  
Multimedia home network configuration – Basic reference model – Part 1: System model
- IEC/PAS 62883:2014-03  
The universal Framework for User Interaction in Multimedia Ambient Assisted Living (AAL) Spaces

## 33.170 Televizijski i radijski prijenos

### Europska normizacija

#### CENELEC

- EN 300743 V 1.5.1:2014-01  
Digital Video Broadcasting (DVB) – Subtitling systems

## 33.180.10 Svjetlovodna vlakna i kabeli

### Europska normizacija

#### CENELEC

- EN 60794-1-20  
Lichtwellenleiterkabel – Teil 1-20: Fachgrundspezifikation – Grundlegende Prüfverfahren für Lichtwellenleiterkabel – Grundlegendes und Definitionen (IEC 60794-1-20:2014)

### Međunarodna normizacija

#### IEC

- IEC 60793-1-51:2014-02  
Measurement methods – Dry heat (steady state) tests
- IEC 60793-1-52:2014-02  
Optical fibres – Part 1-52: Measurement methods – Change of temperature tests
- IEC 60793-1-53:2014-02  
Optical fibres – Part 1-53: Measurement methods – Water immersion tests
- IEC 60794-5-10:2014-02  
Optical fibre cables – Part 5-10: Family specification for outdoor microduct optical fibre cables, microducts and protected microducts for installation by blowing
- IEC 60794-5-20:2014-02  
Optical fibre cables – Part 5-20: Family specification for outdoor microduct fibre units, microducts and protected microducts for installation by blowing
- IEC/TR 62349:2014-02  
Guidance of measurement methods and test procedures – Basic tests for polarization-maintaining optical fibres

## 33.180.20 Svjetlovodni vezne naprave

### Međunarodna normizacija

#### IEC

- IEC 61300-2-42:2014-02  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-42: Tests – Static side load for strain relief

IEC 61300-3-52:2014-02

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-52: Examinations and measurements – Guide hole and alignment pin deformation constant, CD for 8 degree angled PC rectangular ferrule, single mode fibres

IEC 61754-30:2014-02

Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 30: Type CLIK connector series

IEC 62074-1:2014-02

Fibre optic interconnecting devices and passive components – Fibre optic WDM devices – Part 1: Generic specification

IEC 61300-2-35:2014-03

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-35: Tests – Cable nutation

IEC 61300-3-29:2014-03

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-29: Examinations and measurements – Spectral transfer characteristics of DWDM devices

IEC 61753-053-2:2014-03

Fibre optic interconnecting devices and passive components – Performance standard – Part 053-2: Non-connectorised single-mode fibre electrically controlled variable optical attenuator for category C – Controlled environments

## 33.180.30 Optička pojačala

### Europska normizacija

#### CENELEC

EN 61290-3-3:2014-02

Optical amplifiers – Test methods – Part 3-3: Noise figure parameters – Signal power to total ASE power ratio (IEC 61290-3-3:2013)

## 33.180.99 Ostala svjetlovodna oprema

### Međunarodna normizacija

#### IEC

IEC 62522:2014-02

Calibration of tuneable laser sources

## 35.020 Informacijska tehnologija (IT) općenito

### Europska normizacija

#### CENELEC

CEN/CLC/ETSI TR 101550:2014-02

Documents relevant to EN 301549 „Accessibility requirements suitable for public procurement of ICT products and services in Europe“

CEN/CLC/ETSI TR 101551:2014-02

Guidelines on the use of accessibility award criteria suitable for public procurement of ICT products and services in Europe

CEN/CLC/ETSI TR 101552:2014-03

Guidance for the application of conformity assessment to accessibility requirements for public procurement of ICT products and services in Europe

## 35.040 Skupovi znakova i kodiranje informacija

### Međunarodna normizacija ISO

- ISO/IEC 15444-9 AMD 5:2014-02  
Information technology – JPEG 2000 image coding system: Interactivity tools, APIs and protocols – Amendment 5: UDP transport and additional enhancements to JPIP
- ISO/IEC 24730-1:2014-02  
Information technology – Real-time locating systems (RTLS) – Part 1: Application programming interface (API)
- ISO/IEC 24759:2014-02  
Information technology – Security techniques – Test requirements for cryptographic modules
- ISO/IEC TR 27016:2014-03  
Information technology – Security techniques – Information security management – Organizational economics
- ISO/IEC 27033-4:2014-03  
Information technology – Security techniques – Network security – Part 4: Securing communications between networks using security gateways
- ISO/IEC 29147:2014-02  
Information technology – Security techniques – Vulnerability disclosure
- ISO/IEC 14496-30:2014-03  
Information technology – Coding of audio-visual objects – Part 30: Timed text and other visual overlays in ISO base media file format
- ISO/IEC 23000-10 Technical Corrigendum 2:2014-03  
Information technology – Multimedia application format (MPEG-A) – Part 10: Surveillance application format; Technical Corrigendum 2
- ISO/IEC 23003-3 AMD 1:2014-03  
Information technology – MPEG audio technologies – Part 3: Unified speech and audio coding – Amendment 1: Conformance
- ISO/IEC 27038:2014-03  
Information technology – Security techniques – Specification for digital redaction
- ISO/IEC 29150 Technical Corrigendum 1:2014-03  
Information technology – Security techniques – Signcryption; Technical Corrigendum 1

## 35.080 Softver (programaska podrška)

### Europska normizacija CENELEC

- EN 50128/AC:2014-02  
Railway applications – Communications, signalling and processing systems – Software for railway control and protection systems

### Međunarodna normizacija ISO

- ISO/IEC 25051:2014-02  
Software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Requirements for quality of Ready to Use Software Product (RUSP) and instructions for testing
- ISO/IEC 25000:2014-03  
Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Guide to SQuaRE

- ISO/IEC 25001:2014-03  
Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Planning and management

- ISO/IEC 25063:2014-03  
Systems and software engineering – Systems and software product Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for usability: Context of use description

## 35.100.70 Sloj primjene

### Međunarodna normizacija ISO

- ISO/IEC 9594-1:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 1: Overview of concepts, models and services
- ISO/IEC 9594-2:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 2: Models
- ISO/IEC 9594-3:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 3: Abstract service definition
- ISO/IEC 9594-4:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 4: Procedures for distributed operation
- ISO/IEC 9594-5:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 5: Protocol specifications
- ISO/IEC 9594-6:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 6: Selected attribute types
- ISO/IEC 9594-7:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 7: Selected object classes
- ISO/IEC 9594-8:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 8: Public-key and attribute certificate frameworks
- ISO/IEC 9594-9:2014-03  
Information technology – Open Systems Interconnection – The Directory – Part 9: Replication

## 35.110 Umrežavanje (IT)

### Međunarodna normizacija ISO

- ISO/IEC/IEEE 8802-1AB:2014-02  
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Part 1AB: Station and media access control connectivity discovery
- ISO/IEC/IEEE 8802-1AR:2014-02  
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Part 1AR: Secure device identity
- ISO/IEC/IEEE 8802-1AS:2014-02  
Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Part 1AS: Timing and synchronization for time-sensitive applications in bridged local area networks



- ISO/IEC 29182-3:2014-02  
Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 3: Reference architecture views
- ISO/IEC/IEEE 8802-11 AMD 1:2014-03  
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 1: Prioritization of management frames (adoption of IEEE Std 802-11ae-2012)
- ISO/IEC/IEEE 8802-11 AMD 2:2014-03  
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: MAC enhancements for robust audio video streaming (adoption of IEEE Std 802.11aa-2012)
- ISO/IEC/IEEE 8802-11 AMD 3:2014-03  
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 3: Enhancements for very high throughput in the 60 GHz band (adoption of IEEE Std 802.11ad-2012)

## IEC

- IEC 62481-4:2014-03  
Digital living network alliance (DLNA) home networked device interoperability guidelines – Part 4: DRM interoperability solutions (TA 9)
- IEC 62608-1:2014-03  
Multimedia home network configuration – Basic reference model – Part 1: System model
- IEC/PAS 62883:2014-03  
The universAAL Framework for User Interaction in Multimedia Ambient Assisted Living (AAL) Spaces

## 35.140 Računalna grafika

### Međunarodna normizacija

#### ISO

- ISO/IEC 18025:2014-02  
Information technology – Environmental Data Coding Specification (EDCS)

## 35.160 Mikroprocesorski sustavi

### Međunarodna normizacija

#### IEC

- IEC/TR 62865:2014-02  
Multimedia home server systems – Relationship between the content usage contract and the digital rights permission code (TA8)

## 35.240.15 Identifikacijske kartice i pripadajuće naprave

### Međunarodna normizacija

#### ISO

- ISO/IEC 19794-5 AMD 1:2014-02  
Information technology – Biometric data interchange formats – Part 5: Face image data – Amendment 1: Conformance testing methodology and clarification of defects
- ISO/IEC 19794-7:2014-02  
Information technology – Biometric data interchange formats – Part 7: Signature/sign time series data
- ISO/IEC 7816-12 Technical Corrigendum 1:2014-03  
Identification cards – Integrated circuit cards – Part 12: Cards with contacts – USB electrical interface and operating procedures; Technical Corrigendum 1
- ISO/IEC 18745-1:2014-03  
Information technology – Test methods for machine readable travel documents (MRTD) and associated devices – Part 1: Physical test methods for passport books (durability)
- ISO/IEC 19794-8 AMD 1:2014-03  
Information technology – Biometric data interchange formats – Part 8: Finger pattern skeletal data – Amendment 1: Conformance testing meth
- ISO/IEC TR 30117:2014-03  
Information technology – Guide to on-card biometric comparison standards and applications

## 35.240.50 Primjene IT-a u industriji

### Međunarodna normizacija

#### IEC

- IEC 61970-453:2014-02  
Energy management system application program interface (EMS-API) – Part 453: Diagram layout profile
- IEC/PAS 62746-10-1:2014-02  
Systems interface between customer energy management system and the power management system – Part 10-1: Open Automated Demand Response (OpenADR 2.0b Profile Specification)

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Europska normizacija

#### CENELEC

- EN 50128/AC:2014-02  
Railway applications – Communications, signalling and processing systems – Software for railway control and protection systems

### Međunarodna normizacija

#### ISO

- ISO/IEC 24791-3:2014-03  
Information technology – Radio frequency identification (RFID) for item management – Software system infrastructure – Part 3: Device management
- ISO 17185-1:2014-04  
Intelligent transport systems – Public transport user information – Part 1: Standards framework for public information systems

ISO 21217:2014-04  
Intelligent transport systems – Communications  
access for land mobiles (CALM) – Architecture

## IEC

IEC 62280:2014-02  
Railway applications – Communication, signalling  
and processing systems – Safety related  
communication in transmission systems

IEC 61375-3-4:2014-03  
Electronic railway equipment – Train communication  
network (TCN) – Part 3-4: Ethernet Consist  
Network (ECN)

## 35.240.70 Primjene IT-a u znanosti

### Europska normizacija

#### CEN

EN ISO 19115-1:2014-04  
Geographic information – Metadata – Part 1:  
Fundamentals (ISO 19115-1:2014)

EN ISO 19117:2014-03  
Geographic information – Portrayal  
(ISO 19117:2012)

### Međunarodna normizacija

#### ISO

ISO 19153:2014-02  
Geoinformation – Referenzmodell für die Verwaltung  
von Rechten im Bereich Geoinformation  
Geospatial Digital Rights Management Reference  
Model (GeoDRM RM)

ISO 19115-1:2014-04  
Geographic information – Metadata – Part 1:  
Fundamentals

## 35.240.80 Primjene IT u tehnicima zaštite zdravlja

### Europska normizacija

#### CEN

EN ISO 11073-10102:2014-03  
Health informatics – Point-of-care medical device  
communication – Part 10102: Nomenclature –  
Annotated ECG (ISO/IEEE 11073-10102:2014)

EN ISO 11073-10417:2014-03  
Health informatics – Personal health device  
communication – Part 10417: Device specialization –  
Glucose meter (ISO/IEEE 11073-10417:2014)

EN ISO 11073-10418:2014-03  
Health informatics – Personal health device  
communication – Part 10418: Device  
specialization – International Normalized Ratio (INR)  
monitor (ISO/IEEE 11073-10418:2014)

EN ISO 21549-2:2014-02  
Health informatics – Patient healthcard data –  
Part 2: Common objects (ISO 21549-2:2014)

EN ISO 21549-3:2014-02  
Health informatics – Patient healthcard data –  
Part 3: Limited clinical data (ISO 21549-3:2014)

EN ISO 21549-4:2014-02  
Health informatics – Patient healthcard data –  
Part 4: Extended clinical data (ISO 21549-4:2014)

CEN/TR 15872:2014-03  
Health informatics – Guidance on patient  
identification and cross-referencing of identities

### Međunarodna normizacija

#### ISO

ISO/IEEE 11073-10102:2014-03  
Health informatics – Point-of-care medical device  
communication – Part 10102: Nomenclature –  
Annotated ECG

ISO/IEEE 11073-10103:2014-03  
Health informatics – Point-of-care medical device  
communication – Part 10103: Nomenclature –  
Implantable device, cardiac

ISO/IEEE 11073-10417:2014-03  
Health informatics – Personal health device  
communication – Part 10417: Device  
specialization – Glucose meter

ISO/IEEE 11073-10418:2014-03  
Health informatics – Personal health device  
communication – Part 10418: Device specialization –  
International Normalized Ratio (INR) monitor

ISO 18104:2014-02  
Health informatics – Categorial structures for  
representation of nursing diagnoses and nursing  
actions in terminological systems

ISO 21549-2:2014-02  
Health informatics – Patient healthcard data –  
Part 2: Common objects

ISO 21549-3:2014-02  
Health informatics – Patient healthcard data –  
Part 3: Limited clinical data

ISO 21549-4:2014-02  
Health informatics – Patient healthcard data –  
Part 4: Extended clinical data

ISO/TR 28380-1:2014-02  
Medizinische Informatik – Übernahme weltweiter  
IHE Standards – Teil 1: Verfahrensweise  
Health informatics – IHE global standards adoption –  
Part 1: Process

ISO/TR 28380-2:2014-02  
Health informatics – IHE global standards adoption –  
Part 2: Integration and content profiles

ISO 20302:2014-03  
Health informatics – Health cards – Numbering  
system and registration procedure for issuer  
identifiers

## 35.240.99 Primjene IT-a u ostalim područjima

### Međunarodna normizacija

#### ISO

ISO/IEC 20016-1:2014-02  
Information technology for learning, education  
and training – Language accessibility and human  
interface equivalencies (HIEs) in e-learning  
applications – Part 1: Framework and reference  
model for semantic interoperability

#### IEC

IEC/TR 62865:2014-02  
Multimedia home server systems – Relationship  
between the content usage contract and the digital  
rights permission code (TA8)

## 37.040.10 Fotografaska oprema. Projektori

### Međunarodna normizacija

#### ISO

ISO 12233:2014-02  
Photography – Electronic still picture imaging –  
Resolution and spatial frequency responses

## **37.080 Primjene u preslikavanju dokumenata**

### **Međunarodna normizacija ISO**

ISO 12653-3:2014-04  
Electronic imaging – Test target for scanning of office documents – Part 3: Test target for use in lower resolution applications

## **37.100.20 Gradiva za grafičku tehniku**

### **Međunarodna normizacija ISO**

ISO 15397:2014-02  
Graphic technology – Communication of graphic paper properties

## **43.040.10 Električna i elektronička oprema**

### **Međunarodna normizacija ISO**

ISO 8820-2:2014-02  
Road vehicles – Fuse-links – Part 2: User guidelines

## **43.060.20 Sustavi za prednabijanje i dovodni/odvodni sustavi za zrak/ ispušne plinove**

### **Međunarodna normizacija ISO**

ISO 5011:2014-04  
Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing

## **43.080.10 Kamioni i prikolice**

### **Europska normizacija CEN**

EN 12252:2014-04  
LPG equipment and accessories – Equipping of LPG road tankers

## **43.120 Električna cestovna vozila**

### **Međunarodna normizacija IEC**

IEC 61851-23:2014-03  
Electric vehicle conductive charging system – Part 23: D.C electric vehicle charging station

IEC 61851-24:2014-03  
Electric vehicle conductive charging system – Part 24: Digital communication between a dc EV charging station and an electric vehicle for control of d.c. charging

## **43.160 Vozila za posebne namjene**

### **Europska normizacija CEN**

EN 13524+A2:2014-02  
Highway maintenance machines – Safety requirements

## **43.180 Oprema za dijagnostiku, održavanje i ispitivanje**

### **Međunarodna normizacija ISO**

ISO 15031-4:2014-02  
Road vehicles – Communication between vehicle and external equipment for emissions-related diagnostics – Part 4: External test equipment

## **45.020 Željeznička tehnika općenito**

### **Međunarodna normizacija IEC**

IEC 62280:2014-02  
Railway applications – Communication, signalling and processing systems – Safety related communication in transmission systems

## **45.040 Materijali i sastavnice za željezničku tehniku**

### **Europska normizacija CEN**

EN 16241:2014-02  
Railway applications – Slack adjuster

EN 16019:2014-03  
Railway applications – Automatic coupler – Performance requirements, specific interface geometry and test method

## **45.060.01 Željeznička tračnička vozila općenito**

### **Europska normizacija CEN**

EN 16404:2014-02  
Railway applications – Re-railing and recovery requirements for railway vehicles

EN 50343  
Bahnanwendungen – Fahrzeuge – Regeln für die Installation von elektrischen Leitungen

## **45.060.10 Vučna vozila**

### **Europska normizacija CEN**

EN 50125-1  
Bahnanwendungen – Umweltbedingungen für Betriebsmittel – Teil 1: Betriebsmittel auf Bahnfahrzeugen

## **45.080 Tračničke i željezničke sastavnice**

### **Međunarodna normizacija ISO**

ISO 12856-1:2014-03  
Plastics – Plastic railway sleepers for railway applications (railroad ties) – Part 1: Material characteristics

## 47.020.01 Opće norme koje se odnose na brodogradnju i pomorske konstrukcije

### Europska normizacija CEN

EN 12473:2014-02  
General principles of cathodic protection in seawater

## 47.020.05 Materijali i sastavnice za brodogradnju

### Međunarodna normizacija ISO

ISO 28004-2:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations

ISO 28004-3:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 3: Additional specific guidance for adopting ISO 28000 for use by medium and small businesses (other than marine ports)

ISO 28004-4:2014-02  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 4: Additional specific guidance on implementing ISO 28000 if compliance with ISO 28001 is a management objective

## 47.020.70 Oprema za navigaciju i upravljanje

### Međunarodna normizacija ISO

ISO 16328:2014-03  
Ships and marine technology – Gyro-compasses for high-speed craft

ISO 22090-1:2014-03  
Ships and marine technology – Transmitting heading devices (THDs) – Part 1: Gyro-compasses

ISO 22090-2:2014-03  
Ships and marine technology – Transmitting heading devices (THDs) – Part 2: Geomagnetic principles

ISO 22090-3:2014-03  
Ships and marine technology – Transmitting heading devices (THDs) – Part 3: GNSS principles

### IEC

IEC 61996-1 Corrigendum 1:2014-02  
Maritime navigation and radiocommunication equipment and systems – Shipborne voyage data recorder (VDR) – Part 1: Voyage data recorder (VDR) – Performance requirements, methods of testing and required test results; Corrigendum 1

IEC 62065:2014-02  
Maritime navigation and radiocommunication equipment and systems – Track control systems – Operational and performance requirements, methods of testing and required test results

IEC 62388 Corrigendum 1:2014-02  
Maritime navigation and radiocommunication equipment and systems – Shipborne radar – Performance requirements, methods of testing and required test results; Corrigendum 1

## 47.020.99 Ostale norme koje se odnose na brodogradnju i pomorske konstrukcije

### Međunarodna normizacija ISO

ISO 19292:2014-03  
Ships and marine technology – Lifesaving and fire protection – Point-type resettable flame detectors for ships

## 47.060 Plovila za unutrašnji promet

### Međunarodna normizacija ISO

ISO 18422:2014-03  
Ships and marine technology – Inland navigation vessels – Plate with instructions for rescue, resuscitation and first aid for drowning persons

## 49.025.01 Materijali za zrakoplovne konstrukcije općenito

### Međunarodna normizacija ISO

ISO 16691:2014-02  
Space systems – Thermal control coatings for spacecraft – General requirements

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Međunarodna normizacija ISO

ISO 5859:2014-03  
Aerospace series – Graphic symbols for schematic drawings of hydraulic and pneumatic systems and components

## 49.100 Zemaljska služba i oprema za održavanje

### Europska normizacija CEN

EN 12312-2:2014-04  
Aircraft ground support equipment – Specific requirements – Part 2: Catering vehicles

EN 12312-4:2014-03  
Aircraft ground support equipment – Specific requirements – Part 4: Passenger boarding bridges

## 49.140 Svemirski sustavi i operacije

### Međunarodna normizacija ISO

ISO 16127:2014-02  
Space systems – Prevention of break-up of unmanned spacecraft

ISO 16691:2014-02  
Space systems – Thermal control coatings for spacecraft – General requirements

ISO 16695:2014-02  
Space environment (natural and artificial) – Geomagnetic reference models



## 53.020.20 Dizalice

### Europska normizacija

#### CEN

- EN 15011+A1:2014-02  
Cranes – Bridge and gantry cranes

### Međunarodna normizacija

#### ISO

- ISO 10245-2:2014-02  
Cranes – Limiting and indicating devices – Part 2:  
Mobile cranes
- ISO 4305:2014-04  
Mobile cranes – Determination of stability
- ISO 9374-3:2014-04  
Cranes – Information to be provided for enquiries,  
orders, offers and supply – Part 3: Tower cranes

## 53.060 Industrijski prijevozni sustavi

### Europska normizacija

#### CEN

- EN ISO 3691-5:2014-02  
Industrial trucks – Safety requirements and  
verification – Part 5: Pedestrian-propelled trucks  
(ISO 3691-5:2014)
- EN 16307-6:2014-04  
Industrial trucks – Safety requirements and  
verification – Part 6: Supplementary requirements for  
burden and personnel carriers
- EN ISO 3691-6/AC:2014-03  
Industrial trucks – Safety requirements and  
verification – Part 6: Burden and personnel carriers  
(ISO 3691-6:2013)

### Međunarodna normizacija

#### ISO

- ISO 3691-5:2014-02  
Industrial trucks – Safety requirements and  
verification – Part 5: Pedestrian-propelled trucks

## 53.100 Strojevi za zemljane radove

### Europska normizacija

#### CEN

- EN 474-1+A4/AC:2014-03  
Earth-moving machinery – Safety – Part 1: General  
requirements
- EN 12643:2014-02  
Earth-moving machinery – Rubber-tyred machines –  
Steering requirements (ISO 5010:1992 modified)

## 55.020 Ambalaža, pakiranje i distribucija robe općenito

### Europska normizacija

#### CEN

- EN ISO 13274/AC:2014-04  
Packaging – Transport packaging for dangerous  
goods – Plastics compatibility testing for  
packaging and IBCs – Technical Corrigendum 1  
(ISO 13274:2013/Cor 1:2014)

### Međunarodna normizacija

#### ISO

- ISO 13274 Technical Corrigendum 1:2014-04  
Packaging – Transport packaging for dangerous  
goods – Plastics compatibility testing for packaging  
and IBCs; Technical Corrigendum 1

## 55.100 Boce. Vrčevi. Lonci

### Europska normizacija

#### CEN

- EN 16287-1:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 1: Returnable glass MCA 1 finish
- EN 16287-2:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 2: One way glass MCA 1 finish
- EN 16288-1:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 1: Returnable glass MCA 3 finish
- EN 16288-2:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 2: One way glass MCA 3 finish
- EN 16290-1:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 1: Returnable glass MCA 7,5 R  
finish
- EN 16290-2:2014-03  
Glass packaging – Screw finishes for pressure  
capsules – Part 2: One way glass MCA 7,5 R finish

## 55.180.99 Ostale norme koje se odnose na distribuciju robe

### Europska normizacija

#### CEN

- EN 12195-1/AC:2014-03  
Load restraining on road vehicles – Safety – Part 1:  
Calculation of securing forces

## 59.060.10 Prirodna vlakna

### Europska normizacija

#### CEN

- EN 16315:2014-03  
Textiles – Silk woven fabrics for womenswear, silk  
squares, scarves and ties – Requirements and test  
methods

### Međunarodna normizacija

#### ISO

- ISO 2403:2014-02  
Textiles – Cotton fibres – Determination of  
micronaire value

## 59.080.01 Tekstili općenito

### Međunarodna normizacija

#### ISO

- ISO 17299-1:2014-03  
Textiles – Determination of deodorant property –  
Part 1: General principle

- ISO 17299-2:2014-03  
Textiles – Determination of deodorant property –  
Part 2: Detector tube method
- ISO 17299-3:2014-03  
Textiles – Determination of deodorant property –  
Part 3: Gas chromatography method

## 59.080.30 Tekstilni proizvodi

### Europska normizacija

#### CEN

- EN ISO 13935-1:2014-04  
Textiles – Seam tensile properties of fabrics and  
made-up textile articles – Part 1: Determination  
of maximum force to seam rupture using the strip  
method (ISO 13935-1:2014)
- EN ISO 13935-2:2014-04  
Textiles – Seam tensile properties of fabrics and  
made-up textile articles – Part 2: Determination  
of maximum force to seam rupture using the grab  
method (ISO 13935-2:2014)

### Međunarodna normizacija

#### ISO

- ISO 13935-1:2014-04  
Textiles – Seam tensile properties of fabrics and made-  
up textile articles – Part 1: Determination of maximum  
force to seam rupture using the strip method
- ISO 13935-2:2014-04  
Textiles – Seam tensile properties of fabrics and made-  
up textile articles – Part 2: Determination of maximum  
force to seam rupture using the grab method

## 59.080.40 Premazane tkanine

### Europska normizacija

#### CEN

- EN 15619:2014-03  
Rubber or plastic coated fabrics – Safety of  
temporary structures (tents) – Specification for  
coated fabrics intended for tents and related  
structures

## 59.140.30 Koža i krzno

### Europska normizacija

#### CEN

- EN ISO 11646:2014-03  
Leather – Measurement of area (ISO 11646:2014)

### Međunarodna normizacija

#### ISO

- ISO 11646:2014-03  
Leather – Measurement of area

## 65.060.10 Poljoprivredni traktori i priključna vozila

### Međunarodna normizacija

#### ISO

- ISO 5721-2:2014-02  
Agricultural tractors— Requirements, test  
procedures and acceptance criteria for the  
operator's field of vision – Part 2: Field of vision to  
the side and to the rear

- ISO 10998 AMD 1:2014-02  
Agricultural tractors – Requirements for steering;  
Amendment 1

- ISO 500-1:2014-04  
Agricultural tractors – Rear-mounted power take-off  
types 1, 2, 3 and 4 – Part 1: General specifications,  
safety requirements, dimensions for master shield  
and clearance zone

- ISO 500-3:2014-04  
Agricultural tractors – Rear-mounted power take-off  
types 1, 2, 3 and 4 – Part 3: Main PTO dimensions  
and spline dimensions, location of PTO

## 65.060.70 Oprema za vrtlarstvo

### Europska normizacija

#### CENELEC

- EN 62841-1/AA  
Elektrische motorbetriebene handgeführte  
Werkzeuge, transportable Werkzeuge und Rasen-  
und Gartenmaschinen – Sicherheit – Teil 1:  
Allgemeine Anforderungen

### Međunarodna normizacija

#### IEC

- IEC 62841-1:2014-03  
Electric Motor-Operated Hand-Held, Transportable  
Tools and Lawn and Garden Machinery – Safety –  
Part 1: General requirements

## 65.060.80 Oprema za šumarstvo

### Europska normizacija

#### CENELEC

- EN 62841-1/AA  
Elektrische motorbetriebene handgeführte  
Werkzeuge, transportable Werkzeuge und Rasen-  
und Gartenmaschinen – Sicherheit – Teil 1:  
Allgemeine Anforderungen

### Međunarodna normizacija

#### IEC

- IEC 62841-1:2014-03  
Electric Motor-Operated Hand-Held, Transportable  
Tools and Lawn and Garden Machinery – Safety –  
Part 1: General requirements

## 65.080 Gnojiva

### Europska normizacija

#### CEN

- EN 12945:2014-04  
Liming materials – Determination of neutralizing  
value – Titrimetric methods

## 65.120 Hrana za životinje

### Europska normizacija

#### CEN

- EN ISO 4833-2/AC:2014-02  
Microbiology of the food chain – Horizontal method  
for the enumeration of microorganisms – Part 2:  
Colony count at 30 degrees C by the surface plating  
technique; Technical Corrigendum 1 (ISO 4833-  
2:2013/Cor 1:2014)

## 67.100.10 Mlijeko i obrađeni mliječni proizvodi

### Međunarodna normizacija ISO

ISO 8968-1:2014-02  
Milk and milk products – Determination of nitrogen content – Part 1: Kjeldahl principle and crude protein calculation

## 67.200.20 Uljarice

### Međunarodna normizacija ISO

ISO 14244:2014-02  
Oilseed meals – Determination of soluble proteins in potassium hydroxide solution

## 67.220.10 Mirodije i začini

### Međunarodna normizacija ISO

ISO 6539:2014-02  
Cinnamon (*Cinnamomum zeylanicum* Blume) – Specification

## 67.250 Gradiva i proizvodi u dodiru s hranom

### Međunarodna normizacija ISO

ISO 14285:2014-02  
Rubber and plastics gloves for food services – Limits for extractable substances

## 67.260 Postrojenja i oprema za prehrambenu industriju

### Europska normizacija CEN

EN 12042:2014-04  
Food processing machinery – Automatic dough dividers – Safety and hygiene requirements

## 71.040.40 Kemijska analiza

### Europska normizacija CENELEC

EN 60754-2  
Prüfung der bei der Verbrennung der Werkstoffe von Kabeln und isolierten Leitungen entstehenden Gase – Teil 2: Bestimmung der Azidität (durch Messung des pH-Wertes) und Leitfähigkeit (IEC 60754-2:2011)

## 71.100.10 Materijali za proizvodnju aluminija

### Međunarodna normizacija ISO

ISO 18142:2014-02  
Carbonaceous materials for the production of primary aluminium – Baked carbon bodies – Determination of the dynamic elasticity modulus by the resonance method

## 71.100.20 Plinovi za industrijsku primjenu

### Međunarodna normizacija ISO

ISO 14687-3:2014-02  
Hydrogen fuel – Product specification – Part 3: Proton exchange membrane (PEM) fuel cell applications for stationary appliances

## 71.100.35 Kemikalije za dezinfekciju u industriji i kućanstvima

### Europska normizacija CEN

EN 16437:2014-02  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action – Test method and requirements (phase 2, step 2)

EN 16438:2014-02  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action – Test method and requirements (phase 2, step 2)

## 71.100.40 Površinski aktivne tvari

### Međunarodna normizacija ISO

ISO 17293-1:2014-04  
Surface active agents – Determination of chloroacetic acid (chloroacetate) in surfactants – Part 1: HPLC method

ISO 17293-2:2014-04  
Surface active agents – Determination of chloroacetic acid (chloroacetate) in surfactants – Part 2: Ionic chromatographic method

## 71.100.80 Kemikalije za pročišćivanje vode

### Europska normizacija CEN

EN 1197:2014-03  
Chemicals used for treatment of water intended for human consumption – Monozinc phosphate solution

EN 15039:2014-03  
Chemicals used for treatment of water intended for human consumption – Antiscalants for membranes – Polycarboxylic acids and salts

- EN 15040:2014-03  
Chemicals used for treatment of water intended for human consumption – Antiscalants for membranes – Phosphonic acids and salts
- EN 15041:2014-03  
Chemicals used for treatment of water intended for human consumption – Antiscalants for membranes – Polyphosphates
- EN 15513:2014-03  
Produkte zur Aufbereitung von Schwimm- und Badebeckenwasser – Kohlenstoffdioxid  
Chemicals used for treatment of swimming pool water – Carbon dioxide
- EN 16070:2014-03  
Products used for treatment of water intended for human consumption – Natural zeolite

## 73.060.10 Željezove rude

### Međunarodna normizacija ISO

- ISO 16742:2014-03  
Iron ores – Sampling of slurries

## 75.060 Prirodni plin

### Europska normizacija CEN

- EN ISO 15112:2014-03  
Natural gas – Energy determination (ISO 15112:2011)
- EN ISO 15970:2014-03  
Natural gas – Measurement of properties – Volumetric properties: density, pressure, temperature and compression factor (ISO 15970:2008)
- EN ISO 15971:2014-03  
Natural gas – Measurement of properties – Calorific value and Wobbe index (ISO 15971:2008)

## 75.100 Maziva, industrijska ulja i srodni proizvodi

### Europska normizacija CEN

- EN ISO 13503-6:2014-03  
Petroleum and natural gas industries – Completion fluids and materials – Part 6: Procedure for measuring leakoff of completion fluids under dynamic conditions (ISO 13503-6:2014)

### Međunarodna normizacija ISO

- ISO 13503-6:2014-03  
Petroleum and natural gas industries – Completion fluids and materials – Part 6: Procedure for measuring leakoff of completion fluids under dynamic conditions

## 75.140 Vosak, smolasta gradiva i drugi naftni proizvodi

### Europska normizacija CEN

- EN 13924-2:2014-03  
Bitumen and bituminous binders – Specification framework for special paving grade bitumen – Part 2: Multigrade paving grade bitumens

## 75.160.20 Tekuća goriva

### Europska normizacija CEN

- EN 12662:2014-02  
Liquid petroleum products – Determination of total contamination in middle distillates, diesel fuels and fatty acid methyl esters
- CEN/TR 16680:2014-02  
Liquid petroleum products – Investigation on internal diesel injector sticking deposits mechanisms and the impacts of corrosion inhibitors
- EN ISO 22854:2014-03  
Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method (ISO 22854:2014)
- EN 15751:2014-03  
Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method

### Međunarodna normizacija ISO

- ISO 22854:2014-03  
Liquid petroleum products – Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel – Multidimensional gas chromatography method

## 75.180.10 Oprema za iskorištavanje i vađenje

### Europska normizacija CEN

- EN ISO 13085:2014-03  
Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells (ISO 13085:2014)

### Međunarodna normizacija ISO

- ISO 13085:2014-03  
Erdöl- und Erdgasindustrie – Rohre aus Aluminiumlegierungen zur Verwendung als Steigrohre für Bohrungen  
Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells

## 75.180.30 Oprema za obujamska mjerenja i mjerenja

### Europska normizacija CEN

- EN ISO 15970:2014-03  
Natural gas – Measurement of properties – Volumetric properties: density, pressure, temperature and compression factor (ISO 15970:2008)



## 75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

### Europska normizacija

#### CEN

EN 12583:2014-03  
Gas Infrastructure – Compressor stations – Functional requirements

EN ISO 15589-2:2014-03  
Petroleum, petrochemical and natural gas industries – Cathodic protection of pipeline transportation systems – Part 2: Offshore pipelines (ISO 15589-2:2012)

### Međunarodna normizacija

#### ISO

ISO 2929:2014-03  
Rubber hoses and hose assemblies for bulk fuel delivery by truck – Specification

## 77.060 Korozija metala

### Europska normizacija

#### CEN

EN 12473:2014-02  
General principles of cathodic protection in seawater

EN ISO 8407:2014-03  
Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens (ISO 8407:2009)

EN ISO 11474:2014-03  
Corrosion of metals and alloys – Corrosion tests in artificial atmosphere – Accelerated outdoor test by intermittent spraying of a salt solution (Scab test) (ISO 11474:1998)

### Međunarodna normizacija

#### ISO

ISO 15158:2014-02  
Corrosion of metals and alloys – Method of measuring the pitting potential for stainless steels by potentiodynamic control in sodium chloride solution

## 77.140.50 Proizvodi i poluproizvodi od plosnatog čelika

### Europska normizacija

#### CEN

EN 10107:2014-03  
Grain-oriented electrical steel strip and sheet delivered in the fully processed state

### Međunarodna normizacija

#### ISO

ISO 5954:2014-03  
Cold-reduced carbon steel sheet according to hardness requirements

ISO 7778:2014-03  
Through-thickness characteristics for steel products

ISO 6932:2014-03  
Cold-reduced carbon steel strip with a maximum carbon content of 0,25 %

## 77.140.65 Čelična žica, čelična užad i lanci

### Europska normizacija

#### CEN

EN ISO 16841:2014-03  
Steel wire ropes – Pulling eyes for rope installation – Types and minimum requirements (ISO 16841:2014)

### Međunarodna normizacija

#### ISO

ISO 16841:2014-03  
Stahldrahtseile – Einziehösen für die Seilmontage – Formen und Mindestanforderungen  
Steel wire ropes – Pulling eyes for rope installation – Types and minimum requirements

## 77.150.10 Aluminijski proizvodi

### Europska normizacija

#### CEN

EN ISO 13085:2014-03  
Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells (ISO 13085:2014)

### Međunarodna normizacija

#### ISO

ISO 13085:2014-03  
Petroleum and natural gas industries – Aluminium alloy pipe for use as tubing for wells

## 77.160 Metalurgija praha

### Europska normizacija

#### CEN

EN ISO 22068:2014-03  
Sintered-metal injection-moulded materials – Specifications (ISO 22068:2012)

## 79.040 Drvo, trupci i piljena građa

### Europska normizacija

#### CEN

EN 16449:2014-03  
Wood and wood-based products – Calculation of the biogenic carbon content of wood and conversion to carbon dioxide

## 79.060.10 Uslojeno drvo

### Međunarodna normizacija

#### ISO

ISO 13608:2014-02  
Plywood – Decorative veneered plywood

ISO 13609:2014-02  
Wood-based panels – Plywood – Blockboards and battenboards

## 81.060.30 Tehnička keramika

### Međunarodna normizacija

#### ISO

- ISO 17161:2014-04  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Ceramic composites – Determination of the degree of misalignment in uniaxial mechanical tests
- ISO 17162:2014-03  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of monolithic ceramics at room temperature – Determination of compressive strength

## 83.040.10 Lateks i sirova guma

### Međunarodna normizacija

#### ISO

- ISO 17403:2014-03  
Rubber – Determination of magnesium content of field and concentrated natural rubber latices by titration (cyanide-free method)
- ISO 124:2014-03  
Latex, rubber – Determination of total solids content

## 83.060 Guma

### Međunarodna normizacija

#### ISO

- ISO 289-1:2014-02  
Rubber, unvulcanized – Determinations using a shearing-disc viscometer – Part 1: Determination of Mooney viscosity
- ISO 2322:2014-03  
Styrene-butadiene rubber (SBR) – Emulsion- and solution-polymerized types – Evaluation procedures
- ISO 2393:2014-03  
Rubber test mixes – Preparation, mixing and vulcanization – Equipment and procedures
- ISO 2476:2014-03  
Butadiene rubber (BR) – Solution-polymerized types – Evaluation procedures

## 83.080.01 Plastika općenito

### Europska normizacija

#### CEN

- EN 16472:2014-04  
Plastics – Method for artificial accelerated photoageing using medium pressure mercury vapour lamps
- EN ISO 11357-2:2014-03  
Plastics – Differential scanning calorimetry (DSC) – Part 2: Determination of glass transition temperature and glass transition step height (ISO 11357-2:2013)
- EN ISO 11357-5:2014-03  
Plastics – Differential scanning calorimetry (DSC) – Part 5: Determination of characteristic reaction-curve temperatures and times, enthalpy of reaction and degree of conversion (ISO 11357-5:2013)

### Međunarodna normizacija

#### ISO

- ISO 15850:2014-02  
Plastics – Determination of tension-tension fatigue crack propagation – Linear elastic fracture mechanics (LEFM) approach
- ISO 11443:2014-04  
Plastics – Determination of the fluidity of plastics using capillary and slit-die rheometers

## 83.080.10 Termostatična gradiva

### Međunarodna normizacija

#### ISO

- ISO 15028:2014-02  
Plastics – Aromatic isocyanates for use in the production of polyurethanes – Determination of hydrolysable chlorine
- ISO 21048:2014-02  
Plastics – Epoxy resins – Determination of 1,2-glycol content
- ISO 25761:2014-03  
Plastics – Polyols for use in the production of polyurethanes – Determination of basicity (total amine value), expressed as percent nitrogen

## 83.140.99 Drugi gumeni i plastični proizvodi

### Međunarodna normizacija

#### ISO

- ISO 14285:2014-02  
Rubber and plastics gloves for food services – Limits for extractable substances
- ISO 12856-1:2014-03  
Plastics – Plastic railway sleepers for railway applications (railroad ties) – Part 1: Material characteristics

## 83.160.20 Zrakoplovne gume

### Međunarodna normizacija

#### ISO

- ISO 7295 AMD 1:2014-03  
Tyre valves for aircraft – Interchangeability dimensions; Amendment 1

## 83.180 Adhezivi

### Europska normizacija

#### CEN

- EN 28510-1:2014-04  
Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 1: 90° peel

## 85.040 Celuloza

### Europska normizacija

#### CEN

- EN ISO 14453:2014-04  
Pulps – Determination of acetone-soluble matter (ISO 14453:2014)

## **Međunarodna normizacija ISO**

- ISO 14453:2014-04  
Pulps – Determination of acetone-soluble matter
- ISO 16065-1:2014-04  
Pulps – Determination of fibre length by automated optical analysis – Part 1: Polarized light method

## **85.060 Papir i karton**

### **Europska normizacija CEN**

- EN 16418:2014-04  
Paper and board – Determination of the cytotoxicity of aqueous extracts using a metabolically competent hepatoma cell line (HepG2)

## **85.080.20 Tanki upijajući papir. Higijenski papir**

### **Europska normizacija CEN**

- EN ISO 12625-3:2014-04  
Tissue paper and tissue products – Part 3: Determination of thickness, bulking thickness and apparent bulk density and bulk (ISO 12625-3:2014)

### **Međunarodna normizacija ISO**

- ISO 12625-3:2014-03  
Tissue paper and tissue products – Part 3: Determination of thickness, bulking thickness and apparent bulk density and bulk

## **85.080.30 Karton**

### **Međunarodna normizacija ISO**

- ISO 16945:2014-04  
Corrugating medium – Determination of the edge crush resistance after laboratory fluting

## **87.040 Boje i lakovi**

### **Međunarodna normizacija ISO**

- ISO 16925:2014-02  
Paints and varnishes – Determination of the resistance of coatings to pressure water-jetting

## **91.010.01 Građevna industrija općenito**

### **Međunarodna normizacija ISO**

- ISO 6707-1:2014-03  
Buildings and civil engineering works – Vocabulary – Part 1: General terms

## **91.010.20 Ugovorni aspekti**

### **Međunarodna normizacija ISO**

- ISO 6707-2:2014-03  
Buildings and civil engineering works – Vocabulary – Part 2: Contract terms

## **91.010.30 Tehnički aspekti**

### **Europska normizacija CEN**

- EN 1994-1-2/A1:2014-02  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design

## **91.010.99 Drugi aspekti**

### **Europska normizacija CEN**

- EN 16485:2014-03  
Round and sawn timber – Environmental Product Declarations – Product category rules for wood and wood-based products for use in construction

## **91.040.01 Građevine općenito**

### **Europska normizacija CEN**

- EN 16309:2014-02  
Sustainability of construction works – Assessment of social performance of buildings – Calculation methodology

## **91.040.10 Javne građevine**

### **Europska normizacija CEN**

- EN 13200-7:2014-03  
Spectator facilities – Part 7: Entry and exit elements and routes

## **91.040.99 Druge građevine**

### **Europska normizacija CEN**

- EN 15619:2014-03  
Rubber or plastic coated fabrics – Safety of temporary structures (tents) – Specification for coated fabrics intended for tents and related structures

## **91.060.30 Stropovi. Podovi. Stubišta**

### **Europska normizacija CEN**

- EN 13964:2014-03  
Suspended ceilings – Requirements and test methods

## **91.060.10 Zidovi. Pregrade. Pročelja**

### **Europska normizacija CEN**

- EN 13120+A1:2014-02  
Internal blinds – Performance requirements including safety
- EN 16433:2014-02  
Internal blinds – Protection from strangulation hazards – Test methods

EN 16434:2014-02  
Internal blinds – Protection from strangulation hazards – Requirements and test methods for safety devices

## **91.080.01 Konstrukcije zgrada općenito**

### **Međunarodna normizacija ISO**

ISO/TR 12930:2014-04  
Seismic design examples based on ISO 23469

## **91.080.10 Metalne konstrukcije**

### **Europska normizacija CEN**

EN 1994-1-2/A1:2014-02  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design

## **91.080.20 Drvene konstrukcije**

### **Europska normizacija CEN**

EN 16485:2014-03  
Round and sawn timber – Environmental Product Declarations – Product category rules for wood and wood-based products for use in construction

### **Međunarodna normizacija ISO**

ISO 12122-1:2014-03  
Timber structures – Determination of characteristic values – Part 1: Basic requirements  
ISO 12122-2:2014-03  
Timber structures – Determination of characteristic values – Part 2: Sawn timber

## **91.080.40 Betonske konstrukcije**

### **Europska normizacija CEN**

EN 1994-1-2/A1:2014-02  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design

## **91.100.15 Mineralni materijali i proizvodi**

### **Europska normizacija CEN**

EN 1367-7:2014-04  
Tests for thermal and weathering properties of aggregates – Part 7: Determination of resistance to freezing and thawing of Lightweight aggregates  
EN 1367-8:2014-04  
Tests for thermal and weathering properties of aggregates – Part 8: Determination of resistance to disintegration of Lightweight Aggregates

## **91.100.30 Beton i betonski proizvodi**

### **Europska normizacija CEN**

CEN/TR 16639:2014-03  
Use of k-value concept, equivalent concrete performance concept and equivalent performance of combinations concept

## **91.100.50 Veziva. Materijali za brtvljenje**

### **Europska normizacija CEN**

EN 13924-2:2014-03  
Bitumen and bituminous binders – Specification framework for special paving grade bitumen – Part 2: Multigrade paving grade bitumens

## **91.120.10 Toplinska izolacija**

### **Međunarodna normizacija ISO**

ISO 14857:2014-02  
Thermal performance in the built environment – Determination of air permeance of building materials

## **91.120.20 Akustika u zgradama. Zvučna izolacija**

### **Europska normizacija CEN**

EN ISO 16283-1:2014-02  
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation (ISO 16283-1:2014)

### **Međunarodna normizacija ISO**

ISO 16283-1:2014-02  
Acoustics – Field measurement of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation

## **91.140.10 Sustavi centralnoga grijanja**

### **Europska normizacija CEN**

EN 12828+A1:2014-04  
Heating systems in buildings – Design for water-based heating systems

## **91.140.60 Sustavi opskrbe vodom**

### **Međunarodna normizacija ISO**

ISO 16422:2014-02  
Pipes and joints made of oriented unplasticized poly(vinyl chloride) (PVC-O) for the conveyance of water under pressure – Specifications



## 91.140.65 Oprema za grijanje vode

### Europska normizacija

#### CENELEC

- EN 60335-2-21  
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke – Teil 2-21: Besondere Anforderungen für Wassererwärmer (Warmwasserspeicher und Warmwasserboiler) (IEC 60335-2-21:2012, modifiziert + corrigendum Apr. 2013)

## 91.140.70 Sanitarne instalacije

### Europska normizacija

#### CENELEC

- EN 60335-2-105/A2  
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke – Teil 2-105: Besondere Anforderungen für multifunktionelle Duscheinrichtungen (IEC 60335-2-105:2004/A2:2013)

## 91.140.90 Dizala. Pokretne stube

### Europska normizacija

#### CENELEC

- EN 12015:2014-03  
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Emission

### Međunarodna normizacija

#### ISO

- ISO 22559-1:2014-02  
Safety requirements for lifts (elevators) – Part 1: Global essential safety requirements (GESRs)

## 93.010 Niskogradnja općenito

### Međunarodna normizacija

#### ISO

- ISO 6707-1:2014-03  
Buildings and civil engineering works – Vocabulary – Part 1: General terms

## 93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

### Međunarodna normizacija

#### ISO

- ISO/TR 12930:2014-04  
Seismic design examples based on ISO 23469

## 93.080.99 Druge norme koje se odnose na cestovnu tehniku

### Europska normizacija

#### CEN

- EN 13524+A2:2014-02  
Highway maintenance machines – Safety requirements

## 93.100 Gradnja željezničkih pruga

### Europska normizacija

#### CEN

- EN 13481-2/AC:2014-03  
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers
- EN 13848-6:2014-03  
Railway applications – Track – Track geometry quality – Part 6: Characterisation of track geometry quality
- CEN/TR 16513:2014-03  
Railway applications – Track – Survey of track geometry quality

## 97.030 Kućanski električni uređaji općenito

### Europska normizacija

#### CENELEC

- CLC/TR 50619:2014-02  
Household electrical appliances – Method of measuring performance – Assessment of repeatability and reproducibility

## 97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

### Europska normizacija

#### CEN

- EN 203-1:2014-02  
Gas heated catering equipment – Part 1: General safety rules
- EN 203-2-7:2014-03  
Gas heated catering equipment – Part 2-7: Specific requirements – Salamanders and rotisseries

### Međunarodna normizacija

#### IEC

- IEC 60335-2-6:2014-02  
Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances

## 97.040.30 Kućanski rashladni uređaji

### Europska normizacija

#### CENELEC

- EN 60335-2-14/A2  
Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke – Teil 2-14: Besondere Anforderungen für Küchenmaschinen (IEC 60335-2-14:2006/A2:2012)

## 97.180 Razna kućanska oprema

### Međunarodna normizacija

#### ISO

- ISO 11540:2014-03  
Writing and marking instruments – Specification for caps to reduce the risk of asphyxiation

## **97.190 Oprema za djecu**

ISO 11540:2014-03

Writing and marking instruments – Specification for caps to reduce the risk of asphyxiation

## **97.195 Umjetnički i obrtnički predmeti**

### **Europska normizacija**

#### **CEN**

EN 15999-1:2014-03

Conservation of cultural heritage – Guidelines for design of showcases for exhibition and preservation of objects – Part 1: General requirements

## **97.200.10 Oprema za kazalište, scenu i studio**

### **Europska normizacija**

#### **CEN**

EN 13200-7:2014-03

Spectator facilities – Part 7: Entry and exit elements and routes

## **97.200.40 Igrališta**

### **Europska normizacija**

#### **CEN**

CEN/TR 16598: 014-02

Collection of rationales for EN 1176 – Requirements

## **97.200.50 Igračke**

### **Europska normizacija**

#### **CEN**

EN 71-1+A3:2014-03

Safety of toys – Part 1: Mechanical and physical properties

EN 71-2+A1:2014-03

Safety of toys – Part 2: Flammability

EN 71-7:2014-04

Safety of toys – Part 7: Finger paints – Requirements and test methods

EN 71-13:2014-03

Safety of toys – Part 13: Olfactory board games, cosmetic kits and gustative games

## **97.220.10 Sportski objekti**

### **Europska normizacija**

#### **CEN**

EN 13200-7:2014-03

Spectator facilities – Part 7: Entry and exit elements and routes