

Hrvatski zavod za norme

Oglasnik za normativne dokumente

5/2011 listopad, 2011.

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.

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4 Obavijesti HZN-a

- 4.1 Cjenik hrvatskih norma

Rezultati hrvatske normizacije

1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 163/03) 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 1591-1:2009/Ispr.1:2011 en pr
Prirubnice i njihovi spojevi – Pravila za projektiranje prirubničkih spojeva s kružnim brtvama – 1. dio: Postupak proračuna (EN 1591-1:2001+A1:2009/AC:2011)
Flanges and their joints – Design rules for gasketed circular flange connections – Part 1: Calculation method (EN 1591-1:2001+A1:2009/AC:2011)

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

- HRN EN ISO 15320:2011 en pr
Pulpa, papir i karton – Određivanje pentaklorofenola (PCP) u vodenoj ekstraktu (ISO 15320:2011; EN ISO 15320:2011)
Pulp, paper and board – Determination of pentachlorophenol in an aqueous extract (ISO 15320:2011; EN ISO 15320:2011)

HZN/TO 8, *Brodogradnja*

- HRN EN ISO 9875:2004/Ispr.1:2011 en pr
Brodovi i pomorska tehnologija – Oprema za mjerenje dubina u pomorstvu (ISO 9875:2000/Cor 1:2006; EN ISO 9875:2001/AC:2011)
Ships and marine technology – Marine echo-sounding equipment (ISO 9875:2000/Cor 1:2006; EN ISO 9875:2001/AC:2011)

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN EN 12101-7:2011 en pr
Sustavi za upravljanje dimom i toplinom – 7. dio: Sekcije dimnih kanala (EN 12101-7:2011)
Smoke and heat control systems – Part 7: Smoke duct sections (EN 12101-7:2011)
- HRN EN 12101-8:2011 en pr
Sustavi za upravljanje dimom i toplinom – 8. dio: Zaklopke za upravljanje dimom (EN 12101-8:2011)
Smoke and heat control systems – Part 8: Smoke control dampers (EN 12101-8:2011)

HZN/TO 25, *Ljevarstvo*

- HRN EN 1559-3:2011 en pr
Ljevarstvo – Tehnički uvjeti isporuke – 3. dio: Dodatni zahtjevi za odljeve od željeznog lijeva (EN 1559-3:2011)
Founding – Technical conditions of delivery – Part 3: Additional requirements for iron castings (EN 1559-3:2011)
- HRN EN 1561:2011 en pr
Ljevarstvo – Sivi željezni lijevovi (EN 1561:2011)
Founding – Grey cast iron (EN 1561:2011)

HZN/TO 28, *Naftni proizvodi i maziva*

- HRN ISO 3987:2011 en pr
Naftni proizvodi – Određivanje sulfatnog pepela u mazivim uljima i aditivima (ISO 3987:2010+Cor 1:2011)
Petroleum products – Determination of sulfated ash in lubricating oils and additives (ISO 3987:2010+Cor 1:2011)
- HRN ISO 7507-4:2011 en pr
Nafta i tekući naftni proizvodi – Umjeravanje vertikalnih cilindričnih spremnika – 4. dio: Elektro-optička metoda mjerenja unutarnjeg razmaka (ISO 7507-4:2010)
Petroleum and liquid petroleum products – Calibration of vertical cylindrical tanks – Part 4: Internal electro-optical distance-ranging method (ISO 7507-4:2010)
- HRN ISO 10307-1:2011 en pr
Naftni proizvodi – Ukupna količina sedimenta u ostatnim loživim uljima – 1. dio: Određivanje vrućom filtracijom (ISO 10307-1:2009)
Petroleum products – Total sediment in residual fuel oils – Part 1: Determination by hot filtration (ISO 10307-1:2009)
- HRN ISO 10307-2:2011 en pr
Naftni proizvodi – Ukupna količina sedimenta u ostatnim loživim uljima – 2. dio: Određivanje starenja standardnim postupcima (ISO 10307-2:2009+Cor 1:2010)
Petroleum products – Total sediment in residual fuel oils – Part 2: Determination using standard procedures for ageing (ISO 10307-2:2009+Cor 1:2010)
- HRN ISO 11158:2011 en pr
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred H (hidraulički sustavi) – Specifikacije za kategorije HH, HL, HM, HV i HG (ISO 11158:2009)
Lubricants, industrial oils and related products (class L) – Family H (hydraulic systems) – Specifications for categories HH, HL, HM, HV and HG (ISO 11158:2009)
- HRN ISO 13739:2011 en pr
Naftni proizvodi – Postupci pretakanja brodskih goriva u plovila (ISO 13739:2010)
Petroleum products – Procedures for transfer of bunkers to vessels (ISO 13739:2010)
- HRI CEN/TR 16227:2011 en pr
Tekući naftni proizvodi – Biomaziva – Preporuka za nazivlje i karakterizaciju biomaziva i maziva na biljnoj osnovi (CEN/TR 16227:2011)
Liquid petroleum products – Bio-lubricants – Recommendation for terminology and characterisation of bio-lubricants and bio-based lubricants (CEN/TR 16227:2011)

HZN/TO 34/PO 12, *Poljoprivredni i prehrambeni proizvodi; Aditivi, kontaminanti, ambalaža za prehrambene proizvode i predmeti u dodiru s hranom*

- HRN EN 13834:2011 en pr
Posuđe za kuhanje hrane – Posuđe za pećnice u kućanstvu (EN 13834:2007+A1:2009)
Cookware – Ovenware for use in traditional domestic ovens (EN 13834:2007+A1:2009)

HZN/TO 35, *Boje i lakovi*

- HRN EN ISO 1513:2011 en pr
Boje i lakovi – Ispitivanje i priprema ispitnih uzoraka (ISO 1513:2010; EN ISO 1513:2010)
Paints and varnishes – Examination and preparation of test samples (ISO 1513:2010; EN ISO 1513:2010)

HRN EN ISO 4628-6:2011 en pr
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 6: Assessment of degree of chalking by tape method (ISO 4628-6:2011; EN ISO 4628-6:2011)

HRN EN ISO 9117-2:2011 en pr
Paints and varnishes – Drying tests – Part 2: Pressure test for stackability (ISO 9117-2:2010; EN ISO 9117-2:2010)

HRN EN ISO 9117-3:2011 en pr
Paints and varnishes – Drying tests – Part 3: Surface-drying test using ballotini (ISO 9117-3:2010; EN ISO 9117-3:2010)

HRN EN 13523-1:2011 en pr
Metali zaštićeni trakom – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2009)
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2009)

HRN EN 13523-8:2011 en pr
Metali zaštićeni trakom – Metode ispitivanja – 8. dio: Otpornost na slanu maglu (EN 13523-8:2010)
Coil coated metals – Test methods – Part 8: Resistance to salt spray (fog) (EN 13523-8:2010)

HRN EN 13523-10:2011 en pr
Metali zaštićeni trakom – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2010)
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2010)

HRN EN 13523-21:2011 en pr
Metali zaštićeni trakom – Metode ispitivanja – 21. dio: Ocjena ploča izloženih vanjskim utjecajima (EN 13523-21:2010)
Coil coated metals – Test methods – Part 21: Evaluation of outdoor exposed panels (EN 13523-21:2010)

HRN EN 13523-22:2011 en pr
Metali zaštićeni trakom – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2010)
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2010)

HRN EN 13523-27:2011 en pr
Zaštićeni limovi u kolutovima – Metode ispitivanja – 27. dio: Otpornost na vlažne obloge (Cataplasma test) (EN 13523-27:2009)
Coil coated metals – Test methods – Part 27: Resistance to humid poultice (Cataplasma test) (EN 13523-27:2009)

HRN EN 13523-29:2011 en pr
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2010)

HRN EN ISO 16773-3:2011 en pr
Boje i lakovi – Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučanim uzorcima – 3. dio: Obradivanje i analiza podataka iz slijepih ćelija (ISO 16773-3:2009; EN ISO 16773-3:2009)
Paints and varnishes – Electrochemical impedance spectroscopy (EIS) on high-impedance coated specimens – Part 3: Processing and analysis of data from dummy cells (ISO 16773-3:2009; EN ISO 16773-3:2009)

HRN EN ISO 16773-4:2011 en pr
Boje i lakovi – Elektrokemijska impedancijska spektroskopija (EIS) na visokootpornim prevučanim uzorcima – 4. dio: Primjeri spektra polimerom prevučanih uzoraka (ISO 16773-4:2009; EN ISO 16773-4:2009)

Paints and varnishes – Electrochemical impedance spectroscopy (EIS) on high-impedance coated specimens – Part 4: Examples of spectra of polymer-coated specimens (ISO 16773-4:2009; EN ISO 16773-4:2009)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 15609-5:2011 en pr
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 5. dio: Elektrootporno zavarivanje (ISO 15609-5:2011; EN ISO 15609-5:2011)
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 5: Resistance welding (ISO 15609-5:2011; EN ISO 15609-5:2011)

HRN EN ISO 15792-1:2008/A1:2011 en pr
Dodatni i potrošni materijali za zavarivanje – Metode ispitivanja – 1. dio: Metode ispitivanja ispitivnih uzoraka čistog metala zavara za čelik, niki i legure nikla (ISO 15792-1:2000/Amd 1:2011; EN ISO 15792-1:2008/A1:2011)
Welding consumables – Test methods – Part 1: Test methods for all-weld metal test specimens in steel, nickel and nickel alloys (ISO 15792-1:2000/Amd 1:2011; EN ISO 15792-1:2008/A1:2011)

HRN EN ISO 17654:2011 en pr
Elektrootporno zavarivanje – Razorna ispitivanja zavara – Tlačno ispitivanje elektrootporno zavarenih šavnih spojeva (ISO 17654:2011; EN ISO 17654:2011)
Resistance welding – Destructive tests of welds – Pressure test of resistance seam welds (ISO 17654:2011; EN ISO 17654:2011)

HZN/TO 54, Eterična ulja

HRN ISO 8897:2011 en pr
Oil of juniper berry (*Juniperus communis* L.) (ISO 8897:2010)

HRN ISO 10869:2011 en pr
Oil of fir needle, Siberian (*Abies sibirica* Ledeb.) (ISO 10869:2010)

HRN ISO 14715:2011 en pr
Oil of thyme containing thymol, Spanish type [*Thymus zygis* (Loefl.) L.] (ISO 14715:2010)

HRN ISO 22769:2011 en pr
Oil of Australian sandalwood (*Santalum spicatum* (R.Br.) A.D.C.) (ISO 22769:2009)

HRN ISO 23954:2011 en pr
Oil of lime expressed, Persian type (*Citrus latifolia* Tanaka) (ISO 23954:2009)

HZN/TO 82, Rudarstvo

HRN EN 1889-1:2011 en pr
Strojevi za podzemne rudnike – Pokretni strojevi u podzemnim rudnicima – Sigurnost – 1. dio: Vozila na gumenim kotačima (EN 1889-1:2011)
Machines for underground mines – Mobile machines working underground – Safety – Part 1: Rubber tyred vehicles (EN 1889-1:2011)

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

HRN EN 14276-1:2011 en pr
Tlačna oprema za rashladne sustave i dizalice topline – 1. dio: Posude – Opći zahtjevi (EN 14276-1:2006+A1:2011)
Pressure equipment for refrigerating systems and heat pumps – Part 1: Vessels – General requirements (EN 14276-1:2006+A1:2011)

HRN EN 14276-2:2011 en pr
Tlačna oprema za rashladne sustave i dizalice topline – 2. dio: Cjevovodi – Opći zahtjevi (EN 14276-2:2007+A1:2011)
Pressure equipment for refrigerating systems and heat pumps – Part 2: Piping – General requirements (EN 14276-2:2007+A1:2011)

HZN/TO 89, *Furniri i drvne ploče*

HRN EN 12369-2:2011 en pr
Ploče na osnovi drva – Svojstvene vrijednosti za projektiranje konstrukcija – 2. dio: Uslojeno drvo (EN 12369-2:2011)
Wood-based panels – Characteristic values for structural design – Part 2: Plywood (EN 12369-2:2011)

HZN/TO 108, *Mehaničke vibracije i udari*

HRN ISO 7919-2:2011 en pr
Mehaničke vibracije – Vrednovanje vibracija strojeva mjerenjem na rotirajućim osovima – 2. dio: Stacionarne parne turbine i generatori veći od 50 MW s nazivnim brzinama vrtnje 1500 o/min, 1800 o/min, 3000 o/min i 3600 o/min (ISO 7919-2:2009)
Mechanical vibration – Evaluation of machine vibration by measurements on rotating shafts – Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1500 r/min, 1800 r/min, 3000 r/min and 3600 r/min (ISO 7919-2:2009)

HRN ISO 10816-2:2011 en pr
Mehaničke vibracije – Vrednovanje vibracija strojeva mjerenjem na nerotirajućim dijelovima – 2. dio: Stacionarne parne turbine i generatori veći od 50 MW s nazivnim brzinama vrtnje 1500 o/min, 1800 o/min, 3000 o/min i 3600 o/min (ISO 10816-2:2009)
Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 2: Land-based steam turbines and generators in excess of 50 MW with normal operating speeds of 1500 r/min, 1800 r/min, 3000 r/min and 3600 r/min (ISO 10816-2:2009)

HRN ISO 14839-1:2011 en pr
Mehaničke vibracije – Vibracije rotacijskih strojeva s aktivnim magnetskim ležajevima – 1. dio: Rječnik (ISO 14839-1:2002+Amd 1:2010)
Mechanical vibration – Vibration of rotating machinery equipped with active magnetic bearings – Part 1: Vocabulary (ISO 14839-1:2002+Amd 1:2010)

HZN/TO 120, *Koža i obuća*

HRS CEN ISO/TS 16181:2011 en pr
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Određivanje ftalata u materijalima za obuću (ISO/TS 16181:2011; CEN ISO/TS 16181:2011)
Footwear – Critical substances potentially present in footwear and footwear components – Determination of phthalates in footwear materials (ISO/TS 16181:2011; CEN ISO/TS 16181:2011)

HRN EN ISO 17076-2:2011 en pr
Koža – Određivanje otpornosti na habanje – 2. dio: Martindale uređaj, metoda ploče s kuglicama (ISO 17076-2:2011; EN ISO 17076-2:2011)
Leather – Determination of abrasion resistance – Part 2: Martindale ball plate method (ISO 17076-2:2011; EN ISO 17076-2:2011)

HRN EN ISO 17226-3:2011 en pr
Koža – Kemijsko određivanje sadržaja formaldehida – 3. dio: Određivanje otpuštanja formaldehida iz kože (ISO 17226-3:2011; EN ISO 17226-3:2011)
Leather – Chemical determination of formaldehyde content – Part 3: Determination of formaldehyde emissions from leather (ISO 17226-3:2011; EN ISO 17226-3:2011)

HZN/TO 126, *Duhan i duhanski proizvodi*

HRN EN ISO 12863:2011 en pr
Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO 12863:2010+Cor 1:2011; EN ISO 12863:2010+AC:2011)
Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010+Cor 1:2011; EN ISO 12863:2010+AC:2011)

HZN/TO 134, *Gnojiva i poboljšivači tla*

HRN EN 1235:2001/A1:2011 en pr
Kruta gnojiva – Kontrolno sijanje (EN 1235:1995/A1:2003)
Solid fertilizers – Test sieving (EN 1235:1995/A1:2003)

HRN EN 15704:2011 en pr
Tvari za kalcifikaciju – Određivanje raspada granuliranog kalcija i kalcijevih/magnezijevih karbonata pod utjecajem vode (EN 15704:2008)
Liming materials – Determination of the breakdown of granulated calcium and calcium/magnesium carbonates under the influence of water (EN 15704:2008)

HRN EN 15919:2011 en pr
Gnojiva – Ekstrakcija fosfora topivog u 2 %-tnoj mravljnoj kiselini (EN 15919:2011)
Fertilizers – Extraction of phosphorus soluble in 2 % formic acid (EN 15919:2011)

HRN EN 15920:2011 en pr
Gnojiva – Ekstrakcija fosfora topivog u 2 %-tnoj limunskoj kiselini (EN 15920:2011)
Fertilizers – Extraction of phosphorus soluble in 2 % citric acid (EN 15920:2011)

HRN EN 15921:2011 en pr
Gnojiva – Ekstrakcija topivog fosfora prema Petermannu pri 65 °C (EN 15921:2011)
Fertilizers – Extraction of soluble phosphorus according to Petermann at 65 °C (EN 15921:2011)

HRN EN 15922:2011 en pr
Gnojiva – Ekstrakcija topivog fosfora prema Petermannu pri sobnoj temperaturi (EN 15922:2011)
Fertilizers – Extraction of soluble phosphorus according to Petermann at ambient temperature (EN 15922:2011)

HRN EN 15923:2011 en pr
Gnojiva – Ekstrakcija fosfora topivog u Joulievom alkalnom amonijevom citratu (EN 15923:2011)
Fertilizers – Extraction of phosphorus soluble in Joulie's alkaline ammonium citrate (EN 15923:2011)

HRN EN 15924:2011 en pr
Gnojiva – Određivanje finoće mljevenja mekih prirodnih fosfata (EN 15924:2011)
Fertilizers – Determination of the fineness of grinding of soft natural phosphates (EN 15924:2011)

HRN EN 15925:2011 en pr
Gnojiva – Ekstrakcija ukupnog sumpora prisutnog u različitim oblicima (EN 15925:2011)
Fertilizers – Extraction of total sulfur present in various forms (EN 15925:2011)

HRN EN 15926:2011 en pr
Gnojiva – Ekstrakcija vodotopivog sumpora prisutnog u različitim oblicima (EN 15926:2011)
Fertilizers – Extraction of water soluble sulfur where the sulfur is in various forms (EN 15926:2011)

HRN EN 15956:2011 en pr
Gnojiva – Ekstrakcija fosfora topivog u mineralnim kiselinama (EN 15956:2011)
Fertilizers – Extraction of phosphorus soluble in mineral acids (EN 15956:2011)

- HRN EN 15957:2011 en pr
Gnojiva – Ekstrakcija fosfora topivog u neutralnom amonijevom citratu (EN 15957:2011)
Fertilizers – Extraction of phosphorus which is soluble in neutral ammonium citrate (EN 15957:2011)
- HRS CEN/TS 16195:2011 en pr
Gnojiva – Određivanje klorida u odsutnosti organskog materijala (CEN/TS 16195:2011)
Fertilizers – Determination of chlorides in the absence of organic material (CEN/TS 16195:2011)
- HRS CEN/TS 16196:2011 en pr
Gnojiva – Manganometrijsko određivanje ekstrahiranog kalcija nakon taloženja u obliku oksalata (CEN/TS 16196:2011)
Fertilizers – Manganometric determination of extracted calcium following precipitation in the form of oxalate (CEN/TS 16196:2011)
- HRS CEN/TS 16197:2011 en pr
Gnojiva – Određivanje magnezija atomskom apsorpcijskom spektrometrijom (CEN/TS 16197:2011)
Fertilizers – Determination of magnesium by atomic absorption spectrometry (CEN/TS 16197:2011)
- HRS CEN/TS 16198:2011 en pr
Gnojiva – Određivanje magnezija kompleksometrijski (CEN/TS 16198:2011)
Fertilizers – Determination of magnesium by complexometry (CEN/TS 16198:2011)
- HRS CEN/TS 16199:2011 en pr
Gnojiva – Određivanje ekstrahiranog natrija spektrometrijom emisije plamena (CEN/TS 16199:2011)
Fertilizers – Determination of the sodium extracted by flame-emission spectrometry (CEN/TS 16199:2011)

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

- HRN ISO 12176-3:2011 en pr
Plastične cijevi i spojnice – Oprema za spajanje polietilenskih sustava zavarivanjem – 3. dio: Identifikacija izvođača (ISO 12176-3:2011)
Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 3: Operator's badge (ISO 12176-3:2011)
- HRN EN 12666-1:2011 en pr
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polietilen (PE) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 12666-1:2005+A1:2011)
Plastics piping systems for non-pressure underground drainage and sewerage – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system (EN 12666-1:2005+A1:2011)

HZN/TO 146, *Kvaliteta zraka*

- HRI CEN/TR 15983:2011 en pr
Emisije iz stacionarnih izvora – Upute za primjenu norme EN 14181:2004 (CEN/TR 15983:2010)
Stationary source emissions – Guidance on the application of EN 14181:2004 (CEN/TR 15983:2010)
- HRI CEN/TR 16013-1:2011 en pr
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- HRI CEN/TR 16013-2:2011 en pr
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Workplace exposure – Guide for the use of direct-reading instruments for aerosol monitoring – Part 2: Evaluation of airborne particle concentrations using Optical Particle Counters (CEN/TR 16013-2:2010)
- HRN EN ISO 28439:2011 en pr
Atmosfera radnih prostora – Karakterizacija ultrafina aerosola/nanoaerosola – Određivanje veličine distribucije i brojne koncentracije upotrebom diferencijalnoga električnog sustava za ispitivanje pokretljivosti (ISO 28439:2011; EN ISO 28439:2011)
Workplace atmospheres – Characterization of ultrafine aerosols/nanoaerosols – Determination of the size distribution and number concentration using differential electrical mobility analysing systems (ISO 28439:2011; EN ISO 28439:2011)

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

- HRN EN 15972:2011 en pr
Kvaliteta vode – Smjernice za kvantitativno i kvalitativno istraživanje morskog fitoplanktona (EN 15972:2011)
Water quality – Guidance on quantitative and qualitative investigations of marine phytoplankton (EN 15972:2011)
- HRN ISO 19250:2011 en pr
Kvaliteta vode – Detekcija vrsta roda Salmonella (ISO 19250:2010)
Water quality – Detection of Salmonella species (ISO 19250:2010)

HZN/TO 159, *Ergonomija*

- HRN EN 13861:2011 en pr
Sigurnost strojeva – Smjernice za primjenu ergonomske norma u dizajniranju strojeva (EN 13861:2011)
Safety of machinery – Guidance for the application of ergonomics standards in the design of machinery (EN 13861:2011)
- HRN EN ISO 26800:2011 en pr
Ergonomija – Opći pristup, načela i pojmovi (ISO 26800:2011; EN ISO 26800:2011)
Ergonomics – General approach, principles and concepts (ISO 26800:2011; EN ISO 26800:2011)

HZN/TO 172, *Optika i optički instrumenti*

- HRN EN ISO 8624:2011 en pr
Oftalmološka optika – Okviri za naočale – Mjerni sustav i nazivlje (ISO 8624:2011; EN ISO 8624:2011)
Ophthalmic optics – Spectacle frames – Measuring system and terminology (ISO 8624:2011; EN ISO 8624:2011)
- HRN ISO 9211-1:2011 en pr
Optika i fotonika – Optički slojevi – 1. dio: Definicije (ISO 9211-1:2010)
Optics and photonics – Optical coatings – Part 1: Definitions (ISO 9211-1:2010)
- HRN ISO 9211-2:2011 en pr
Optika i fotonika – Optički slojevi – 2. dio: Optička svojstva (ISO 9211-2:2010)
Optics and photonics – Optical coatings – Part 2: Optical properties (ISO 9211-2:2010)
- HRN ISO 9211-3:2011 en pr
Optika i fotonika – Optički slojevi – 3. dio: Otpornost na utjecaje okoliša (ISO 9211-3:2008)
Optics and photonics – Optical coatings – Part 3: Environmental durability (ISO 9211-3:2008)

- HRN ISO 9211-4:2011 en pr
Optika i optički instrumenti – Optički slojevi – 4. dio: Specifične metode ispitivanja (ISO 9211-4:2006)
Optics and optical instruments – Optical coatings – Part 4: Specific test methods (ISO 9211-4:2006)
- HRN EN ISO 10943:2011 en pr
Oftalmološki instrumenti – Indirektni oftalmoskopi (ISO 10943:2011; EN ISO 10943:2011)
Ophthalmic instruments – Indirect ophthalmoscopes (ISO 10943:2011; EN ISO 10943:2011)
- HRN EN ISO 11990-1:2011 en pr
Laseri i oprema povezana s laserima – Utvrđivanje otpornosti trahealnih intubacijskih cijevi na lasersko zračenje – 1. dio: Tijelo trahealne intubacijske cijevi (ISO 11990-1:2011; EN ISO 11990-1:2011)
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 1: Tracheal tube shaft (ISO 11990-1:2011; EN ISO 11990-1:2011)
- HRN EN ISO 14534:2011 en pr
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Osnovni zahtjevi (ISO 14534:2011; EN ISO 14534:2011)
Ophthalmic optics – Contact lenses and contact lens care products – Fundamental requirements (ISO 14534:2011; EN ISO 14534:2011)
- HRN ISO 17123-1:2011 en pr
Optika i optički instrumenti – Terenski postupci za ispitivanje geodetskih instrumenata i instrumenata za izmjere – 1. dio: Teorija (ISO 17123-1:2010)
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 1: Theory (ISO 17123-1:2010)

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

- HRS CEN/TS 81-11:2011 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Osnove i tumačenja – 11. dio: Tumačenja u odnosu na EN 81 porodicu norma (CEN/TS 81-11:2011)
Safety rules for the construction and installation of lifts – Basics and interpretations – Part 11: Interpretations related to EN 81 family of standards (CEN/TS 81-11:2011)
- HRN ISO 4190-1:2011 en pr
Ugradnja dizala – 1. dio: Dizala I., II., III. i VI. klase (ISO 4190-1:2010)
Lift (Elevator) installation – Part 1: Class I, II, III and VI lifts (ISO 4190-1:2010)

HZN/TO 179, Zidane konstrukcije

- HRN EN 771-1:2011 en pr
Specifikacije za zidne elemente – 1. dio: Opečni zidni elementi (EN 771-1:2011)
Specification for masonry units – Part 1: Clay masonry units (EN 771-1:2011)
- HRN EN 771-2:2011 en pr
Specifikacije za zidne elemente – 2. dio: Vapnenosilikatni zidni elementi (EN 771-2:2011)
Specification for masonry units – Part 2: Calcium silicate masonry units (EN 771-2:2011)
- HRN EN 771-3:2011 en pr
Specifikacije za zidne elemente – 3. dio: Betonski zidni elementi (gusti i lagani agregat) (EN 771-3:2011)
Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and light weight aggregates) (EN 771-3:2011)
- HRN EN 771-4:2011 en pr
Specifikacije za zidne elemente – 4. dio: Zidni elementi od porastoga betona (EN 771-4:2011)
Specification for masonry units – Part 4: Autoclaved aerated concrete masonry units (EN 771-4:2011)

- HRN EN 771-5:2011 en pr
Specifikacije za zidne elemente – 5. dio: Zidni elementi od umjelnoga kamena (EN 771-5:2011)
Specification for masonry units – Part 5: Manufactured stone masonry units (EN 771-5:2011)
- HRN EN 771-6:2011 en pr
Specifikacije za zidne elemente – 6. dio: Zidni elementi od prirodnog kamena (EN 771-6:2011)
Specification for masonry units – Part 6: Natural stone masonry units (EN 771-6:2011)
- HRN EN 772-1:2011 en pr
Metode ispitivanja zidnih elemenata – 1. dio: Određivanje tlačne čvrstoće (EN 772-1:2011)
Methods of test for masonry units – Part 1: Determination of compressive strength (EN 772-1:2011)
- HRN EN 772-11:2011 en pr
Metode ispitivanja zidnih elemenata – 11. dio: Određivanje kapilarne vodoupojnosti zidnih elemenata od betona, porastoga betona, umjelnog i prirodnog kamena i početne vodoupojnosti opečnih zidnih elemenata (EN 772-11:2011)
Methods of test for masonry units – Part 11: Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units (EN 772-11:2011)
- HRN EN 772-16:2011 en pr
Metode ispitivanja zidnih elemenata – 16. dio: Određivanje izmjera (EN 772-16:2011)
Methods of test for masonry units – Part 16: Determination of dimensions (EN 772-16:2011)
- HRN EN 772-18:2011 en pr
Metode ispitivanja zidnih elemenata – 18. dio: Određivanje otpornosti na zamrzavanje i odmrzavanje vapnenosilikatnih zidnih elemenata (EN 772-18:2011)
Methods of test for masonry units – Part 18: Determination of freeze-thaw resistance of calcium silicate masonry units (EN 772-18:2011)
- HRN EN 772-21:2011 en pr
Metode ispitivanja zidnih elemenata – 21. dio: Određivanje vodoupojnosti opečnih i vapnenosilikatnih zidnih elemenata upijanjem hladne vode (EN 772-21:2011)
Methods of test for masonry units – Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption (EN 772-21:2011)

HZN/TO 190, Kvaliteta tla

- HRN EN ISO 15175:2011 en pr
Kvaliteta tla – Karakterizacija tla koja se odnosi na zaštitu podzemnih voda (ISO 15175:2004; EN ISO 15175:2011)
Soil quality – Characterization of soil related to groundwater protection (ISO 15175:2004; EN ISO 15175:2011)
- HRN EN ISO 15952:2011 en pr
Kvaliteta tla – Učinci onečišćivača na mlade zemljišne puževe (Helicidae) – Određivanje učinaka onečišćenosti tla na razvoj (ISO 15952:2006; EN ISO 15952:2011)
Soil quality – Effects of pollutants on juvenile land snails (Helicidae) – Determination of the effects on growth by soil contamination (ISO 15952:2006; EN ISO 15952:2011)

- HRN EN ISO 17402:2011 en pr
Kvaliteta tla – Zahtjevi i upute za odabir i primjenu metoda za ocjenjivanje bioraspoloživosti onečišćivača u tlu i materijalima tla (ISO 17402:2008; EN ISO 17402:2011)
Soil quality – Requirements and guidance for the selection and application of methods for the assessment of bioavailability of contaminants in soil and soil materials (ISO 17402:2008; EN ISO 17402:2011)
- HRN EN ISO 20963:2011 en pr
Kvaliteta tla – Učinci onečišćivača na ličinke kukaca (*Oxythyrea funesta*) – Određivanje akutne toksičnosti (ISO 20963:2005; EN ISO 20963:2011)
Soil quality – Effects of pollutants on insect larvae (*Oxythyrea funesta*) – Determination of acute toxicity (ISO 20963:2005; EN ISO 20963:2011)
- HRN EN ISO 22892:2011 en pr
Kvaliteta tla – Smjernice za identifikaciju ciljanih spojeva plinskom kromatografijom i masenom spektrometrijom (ISO 22892:2006; EN ISO 22892:2011)
Soil quality – Guidelines for the identification of target compounds by gas chromatography and mass spectrometry (ISO 22892:2006; EN ISO 22892:2011)
- HRN EN ISO 23611-1:2011 en pr
Kvaliteta tla – Uzorkovanje zemljišnih beskralježnjaka – 1. dio: Ručno razvrstavanje i ekstrakcija gujavica formalinom (ISO 23611-1:2006; EN ISO 23611-1:2011)
Soil quality – Sampling of soil invertebrates – Part 1: Hand-sorting and formalin extraction of earthworms (ISO 23611-1:2006; EN ISO 23611-1:2011)
- HRN EN ISO 23611-2:2011 en pr
Kvaliteta tla – Uzorkovanje zemljišnih beskralježnjaka – 2. dio: Uzorkovanje i izdvajanje mikročlankonožaca (*Collembola* i *Acarina*) (ISO 23611-2:2006; EN ISO 23611-2:2011)
Soil quality – Sampling of soil invertebrates – Part 2: Sampling and extraction of micro-arthropods (*Collembola* and *Acarina*) (ISO 23611-2:2006; EN ISO 23611-2:2011)
- HRN EN ISO 23611-3:2011 en pr
Kvaliteta tla – Uzorkovanje zemljišnih beskralježnjaka – 3. dio: Uzorkovanje i izdvajanje vrsta iz porodice *Enchytraeidae* (ISO 23611-3:2007; EN ISO 23611-3:2011)
Soil quality – Sampling of soil invertebrates – Part 3: Sampling and soil extraction of enchytraeids (ISO 23611-3:2007; EN ISO 23611-3:2011)
- HRN EN ISO 23611-4:2011 en pr
Kvaliteta tla – Uzorkovanje zemljišnih beskralježnjaka – 4. dio: Uzorkovanje, izdvajanje i identifikacija slobodno živućih nematoda (ISO 23611-4:2007; EN ISO 23611-4:2011)
Soil quality – Sampling of soil invertebrates – Part 4: Sampling, extraction and identification of soil-inhabiting nematodes (ISO 23611-4:2007; EN ISO 23611-4:2011)
- HRN EN ISO 23753-1:2011 en pr
Kvaliteta tla – Određivanje dehidrogenazne aktivnosti u tlu – 1. dio: Metoda s trifeniltetrazol kloridom (TTC) (ISO 23753-1:2005; EN ISO 23753-1:2011)
Soil Quality – Determination of dehydrogenase activity in soil – Part 1: Method using triphenyltetrazolium chloride (TTC) (ISO 23753-1:2005; EN ISO 23753-1:2011)
- HRN EN ISO 23753-2:2011 en pr
Kvaliteta tla – Određivanje dehidrogenazne aktivnosti u tlu – 2. dio: Metoda sa jodtetrazol kloridom (INT) (ISO 23753-2:2005; EN ISO 23753-2:2011)
Soil Quality – Determination of dehydrogenase activity in soils – Part 2: Method using iodotetrazolium chloride (INT) (ISO 23753-2:2005; EN ISO 23753-2:2011)

HZN/TO 211, *Geoinformacije/Geomatika*

- HRI CEN/TR 15449:2011 en pr
Geoinformacije – Norme, specifikacije, tehnička izvješća i smjernice, potrebne za implementaciju infrastrukture prostornih podataka (CEN/TR 15449:2011)
Geographic information – Standards, specifications, technical reports and guidelines, required to implement Spatial Data Infrastructure (CEN/TR 15449:2011)

HZN/TO 503, *Metalni materijali*

- HRN EN 10305-4:2011 en pr
Precizne čelične cijevi – Tehnički uvjeti isporuke – 4. dio: Bešavne hladno vučene cijevi za hidraulične i pneumatske energetske sustave (EN 10305-4:2011)
Steel tubes for precision applications – Technical delivery conditions – Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems (EN 10305-4:2011)
- HRN EN 16117-1:2011 en pr
Bakar i legure bakra – Određivanje udjela bakra – 1. dio: Elektrolitičko određivanje bakra u materijalima sa udjelom bakra manjim od 99,85 % (EN 16117-1:2011)
Copper and copper alloys – Determination of copper content – Part 1: Electrolytic determination of copper in materials with copper content less than 99,85 % (EN 16117-1:2011)

HZN/TO 509, *Cestovna oprema*

- HRN EN 1824:2011 en pr
Materijali za oznake na kolniku – Ispitna kola (EN 1824:2011)
Road marking materials – Road trials (EN 1824:2011)
- HRN EN 12802:2011 en pr
Materijali za oznake na kolniku – Laboratorijske metode za utvrđivanje svojstava (EN 12802:2011)
Road marking materials – Laboratory methods for identification (EN 12802:2011)
- HRN EN 13197:2011 en pr
Materijali za oznake na kolniku – Rotacijski simulator trošenja (EN 13197:2011)
Road marking materials – Wear simulator Turntable (EN 13197:2011)
- HRN EN 13212:2011 en pr
Materijali za oznake na kolniku – Zahtjevi za tvorničkom kontrolom proizvodnje (EN 13212:2011)
Road marking materials – Requirements for factory production control (EN 13212:2011)
- HRN EN 13459:2011 en pr
Materijali za oznake na cesti – Uzimanje uzoraka iz skladišta i ispitivanje (EN 13459:2011)
Road marking materials – Sampling from storage and testing (EN 13459:2011)

HZN/TO 522, *Karakterizacija i zbrinjavanje otpada*

- HRN EN 1501-1:2011 en pr
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 1. dio: Vozila za skupljanje otpada sa stražnjim punjenjem (EN 1501-1:2011)
Refuse collection vehicles – General requirements and safety requirements – Part 1: Rear loaded refuse collection vehicles (EN 1501-1:2011)
- HRN EN 1501-5:2011 en pr
Vozila za skupljanje otpada – Opći i sigurnosni zahtjevi – 5. dio: Vozila za skupljanje otpada s podiznim uređajima (EN 1501-5:2011)
Refuse collection vehicles – General requirements and safety requirements – Part 5: Lifting devices for refuse collection vehicles (EN 1501-5:2011)

- HRN EN 13071-3:2011 en pr
Stalni spremnici za otpad do 5000 l koji se podižu i prazne kroz dno – 3. dio: Preporučena spojna oprema za podizanje (EN 13071-3:2011)
Stationary waste containers up to 5000 l, top lifted and bottom emptied – Part 3: Recommended lifting connections (EN 13071-3:2011)
- HRN EN ISO 23161:2011 en pr
Kvaliteta tla – Određivanje odabranih organokositrenih spojeva – Plinskromatografska metoda (ISO 23161:2009; EN ISO 23161:2011)
Soil quality – Determination of selected organotin compounds – Gas-chromatographic method (ISO 23161:2009; EN ISO 23161:2011)

HZN/TO 523, Humanitarno razminiranje

- HRN 1129:2011 hr izv
Humanitarno razminiranje – Terminološki rječnik
Humanitarian demining – Vocabulary

HZN/TO 524, Cestovni prijevoz i prometna telematika

- HRS CEN/TS 15531-5:2011 en pr
Javni prijevoz – Sučelje servisa za informiranje u realnom vremenu o statusu javnog prijevoza – 5. dio: Funkcionalno sučelje servisa – Razmjena situacija (CEN/TS 15531-5:2011)
Public transport – Service interface for real-time information relating to public transport operations – Part 5: Functional service interfaces – Situation Exchange (CEN/TS 15531-5:2011)
- HRN EN 15722:2011 en pr
Cestovni prijevoz i prometna telematika – Elektronička sigurnost – Najmanji skup podataka za elektroničke hitne pozive iz vozila (MSD) (EN 15722:2011)
Intelligent transport systems – eSafety – eCall minimum set of data (MSD) (EN 15722:2011)

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

- HRN EN 544:2011 en pr
Bitumenske šindre s mineralnim i/ili sintetičkim ulošcima – Specifikacija proizvoda i metode ispitivanja (EN 544:2011)
Bitumen shingles with mineral and/or synthetic reinforcements – Product specification and test methods (EN 544:2011)

HZN/TO 528, Oprema za željeznice

- HRN EN 12561-1:2011 en pr
Oprema za željeznice – Vagoni cisterne – 1. dio: Označivanje vagona cisterne za prijevoz opasnih tvari (EN 12561-1:2011)
Railway applications – Tank wagons – Part 1: Identification plates for tank wagons for the carriage of dangerous goods (EN 12561-1:2011)
- HRN EN 12561-2:2011 en pr
Oprema za željeznice – Vagoni cisterne – 2. dio: Uređaji za donje pražnjenje tekućina uključivši povrat pare (EN 12561-2:2011)
Railway applications – Tank wagons – Part 2: Bottom emptying devices for liquid products including vapour return (EN 12561-2:2011)
- HRN EN 12561-3:2011 en pr
Oprema za željeznice – Vagoni cisterne – 3. dio: Uređaji za donje punjenje i pražnjenje za ukapljene plinove pod tlakom (EN 12561-3:2011)
Railway applications – Tank wagons – Part 3: Bottom filling and emptying devices for gases liquefied under pressure (EN 12561-3:2011)

- HRN EN 12561-4:2011 en pr
Oprema za željeznice – Vagoni cisterne – 4. dio: Uređaji za gornje pražnjenje i punjenje tekućina (EN 12561-4:2011)
Railway applications – Tank wagons – Part 4: Devices for top filling and emptying of liquid products (EN 12561-4:2011)

- HRN EN 12561-5:2011 en pr
Oprema za željeznice – Vagoni cisterne – 5. dio: Uređaji za povrat pare prilikom punjenja ili pražnjenja tekućina (EN 12561-5:2011)
Railway applications – Tank wagons – Part 5: Devices for vapour return while filling or emptying of liquid products (EN 12561-5:2011)

- HRN EN 12561-6:2011 en pr
Oprema za željeznice – Vagoni cisterne – 6. dio: Provlake (EN 12561-6:2011)
Railway applications – Tank wagons – Part 6: Manholes (EN 12561-6:2011)

- HRN EN 12561-7:2011 en pr
Oprema za željeznice – Vagoni cisterne – 7. dio: Platforme i ljestve (EN 12561-7:2011)
Railway applications – Tank wagons – Part 7: Platforms and ladders (EN 12561-7:2011)

- HRN EN 12561-8:2011 en pr
Oprema za željeznice – Vagoni cisterne – 8. dio: Priključci grijanja (EN 12561-8:2011)
Railway applications – Tank wagons – Part 8: Heating connections (EN 12561-8:2011)

HZN/TO 531, Plastika i guma

- HRN ISO 4649:2011 en pr
Guma i elastoplastomeri – Određivanje abrazijske otpornosti uređajem s rotirajućim cilindričnim bubnjem (ISO 4649:2010)
Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device (ISO 4649:2010)

- HRN ISO 23529:2011 en pr
Guma – Opći postupci pripreme i kondicioniranja ispitnih uzoraka za fizikalne ispitne metode (ISO 23529:2010)
Rubber – General procedures for preparing and conditioning test pieces for physical test methods (ISO 23529:2010)

- HRN ISO 23794:2011 en pr
Guma i elastoplastomeri – Abrazijska ispitivanja – Upute (ISO 23794:2010)
Rubber, vulcanized or thermoplastic – Abrasion testing – Guidance (ISO 23794:2010)

HZN/TO 532, Dimnjaci

- HRN EN 1858:2011 en pr
Dimnjaci – Dijelovi – Betonski blokovi dimnjaka (EN 1858:2008+A1:2011)
Chimneys – Components – Concrete flue blocks (EN 1858:2008+A1:2011)
- HRN EN 12446:2011 en pr
Dimnjaci – Dijelovi – Elementi vanjskog betonskog plašta (EN 12446:2011)
Chimneys – Components – Concrete outer wall elements (EN 12446:2011)

HZN/TO 534, Spremnici za teret

- HRN EN 13121-3:2010/Ispr.1:2011 en pr
Nadzemni GRP spremnici i posude – 3. dio: Konstrukcija i izrada (EN 13121-3:2008+A1:2010/AC:2011)
GRP tanks and vessels for use above ground – Part 3: Design and workmanship (EN 13121-3:2008+A1:2010/AC:2011)

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

HRN EN ISO 16484-1:2011 en pr
Upravljanje u zgradarstvu i upravljački sustavi (BACS) – 1. dio: Specifikacije projekta i primjena (ISO 16484-1:2010; EN ISO 16484-1:2010)
Building automation and control systems (BACS) – Part 1: Project specification and implementation (ISO 16484-1:2010; EN ISO 16484-1:2010)

HZN/TO 543, Poštanske usluge

HRN EN 14142-1:2011 en pr
Poštanske usluge – Adresne baze podataka – 1. dio: Sastavni dijelovi poštanske adrese (EN 14142-1:2011)
Postal services – Address databases – Part 1: Components of postal addresses (EN 14142-1:2011)

HZN/TO 550, Opskrba vodom

HRN EN 13618:2011 en pr
Sklopivi od fleksibilnih crijeva u instalacijama za pitku vodu – Funkcionalni zahtjevi i metode ispitivanja (EN 13618:2011)
Flexible hose assemblies in drinking water installations – Functional requirements and test methods (EN 13618:2011)

HZN/TO 551, Gradnja

HRN EN ISO 11600:2008/A1:2011 en pr
Gradnja zgrada – Proizvodi za spajanje – Razredba i zahtjevi za brtvila (ISO 11600:2002/Amd 1:2011; EN ISO 11600:2003/A1:2011)
Building construction – Jointing products – Classification and requirements for sealants (ISO 11600:2002/Amd 1:2011; EN ISO 11600:2003/A1:2011)

HZN/TO 554, Obrada otpadnih voda

HRN EN 13508-2:2011 en pr
Investigation and assessment of drain and sewer systems outside building – Part 2: Visual inspection coding system (EN 13508-2:2003+A1:2011)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 593:2011 en pr
Industrijski zaporni uređaji – Metalne leptiraste zaklopke (EN 593:2009+A1:2011)
Industrial valves – Metallic butterfly valves (EN 593:2009+A1:2011)

HZN/TO 560, Tekstilni proizvodi

HRN ISO 2076:2011 en pr
Tekstil – Umjetna vlakna – Generički nazivi (ISO 2076:2010)
Textiles – Man-made fibres – Generic names (ISO 2076:2010)

HRN ISO 7768:2011 en pr
Tekstil – Metoda ispitivanja za procjenu glatkoće tkanine nakon čišćenja (ISO 7768:2009)
Textiles – Test method for assessing the smoothness appearance of fabrics after cleansing (ISO 7768:2009)

HRN ISO 7769:2011 en pr
Tekstil – Metoda ispitivanja za procjenu nabora tkanine nakon čišćenja (ISO 7769:2009)
Textiles – Test method for assessing the appearance of creases in fabrics after cleansing (ISO 7769:2009)

HRN ISO 7770:2011 en pr
Tekstil – Metoda ispitivanja za procjenu glatkoće šavova na tkaninama nakon čišćenja (ISO 7770:2009)
Textiles – Test method for assessing the smoothness appearance of seams in fabrics after cleansing (ISO 7770:2009)

HRN ISO 9867:2011 en pr
Tekstil – Vrednovanje oporavka tkanine nakon gužvanja – Metoda procjene izgleda (ISO 9867:2009)
Textiles – Evaluation of the wrinkle recovery of fabrics – Appearance method (ISO 9867:2009)

HRN EN ISO 14184-2:2011 en pr
Tekstil – Određivanje formaldehida – 2. dio: Slobodni formaldehid (metoda apsorpcije parom) (ISO 14184-2:2011; EN ISO 14184-2:2011)
Textiles – Determination of formaldehyde – Part 2: Released formaldehyde (vapour absorption method) (ISO 14184-2:2011; EN ISO 14184-2:2011)

HRN ISO 22198:2011 en pr
Tekstil – Tkanine – Određivanje širine i dužine (ISO 22198:2006)
Textiles – Fabrics – Determination of width and length (ISO 22198:2006)

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

HRN EN 12953-6:2011 en pr
Dimnocijevni kotlovi – 6. dio: Zahtjevi za opremu kotla (EN 12953-6:2011)
Shell boilers – Part 6: Requirements for equipment for the boiler (EN 12953-6:2011)

HRN EN 13480-2:2008/A1:2011 en pr
Metalni industrijski cjevovodi – 2. dio: Materijali (EN 13480-2:2002/A1:2010)
Metallic industrial piping – Part 2: Materials (EN 13480-2:2002/A1:2010)

HRN EN 13480-2:2008/A2:2011 en pr
Metalni industrijski cjevovodi – 2. dio: Materijali (EN 13480-2:2002/A2:2010)
Metallic industrial piping – Part 2: Materials (EN 13480-2:2002/A2:2010)

HRN EN 13480-5:2008/A1:2011 en pr
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje (EN 13480-5:2002/A1:2011)
Metallic industrial piping – Part 5: Inspection and testing (EN 13480-5:2002/A1:2011)

HRN EN 15776:2011 en pr
Neložene tlačne posude – Zahtjevi za projektiranje i proizvodnju tlačnih posuda i tlačnih dijelova posuda izrađenih od željeznog lijeva s elongacijom (istezljivošću) 15 % ili manjom (EN 15776:2011)
Unfired pressure vessels – Requirements for the design and fabrication of pressure vessels and pressure parts constructed from cast iron with an elongation after fracture equal or less than 15 % (EN 15776:2011)

HZN/TO 563, Sigurnost strojeva

HRN EN 1010-1:2011 en pr
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 1: Common requirements (EN 1010-1:2004+A1:2010)

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

HRN EN ISO 3656:2011 en pr
Životinjske i biljne masti i ulja – Određivanje apsorbancija u ultraljubičastom spektru izraženih kao specifična UV ekstinkcija (ISO 3656:2011; EN ISO 3656:2011)
Animal and vegetable fats and oils – Determination of ultraviolet absorbance expressed as specific UV extinction (ISO 3656:2011; EN ISO 3656:2011)

HRN EN ISO 3961:2011 en pr
Životinjske i biljne masti i ulja – Određivanje jednog broja (ISO 3961:2009; EN ISO 3961:2011)
Animal and vegetable fats and oils – Determination of iodine value (ISO 3961:2009; EN ISO 3961:2011)

HRN EN ISO 9167-1:2011 en pr
Repičino sjeme – Određivanje udjela glukozinolata – 1. dio:
Metoda tekućinske kromatografije visokog učinka
(ISO 9167-1:1992; EN ISO 9167-1:1995)
Rapeseed – Determination of glucosinolates content –
Part 1: Method using high-performance liquid
chromatography (ISO 9167-1:1992;
EN ISO 9167-1:1995)

HRN EN ISO 9936:2007/A1:2011 en pr
Životinjske i biljne masti i ulja – Određivanje sadržaja
tokoferola i tokotrienola tekućinskom kromatografijom
visokog učinka – Amandman 1: Obnavljanje reagensa i
potvrda valjanosti statističkih podataka (ISO 9936:2006/
Amd 1:2011; EN ISO 9936:2006/A1:2011)
Animal and vegetable fats and oils – Determination
of tocopherol and tocotrienol contents by high-
performance liquid chromatography – Amendment 1:
Updating of reagents and confirmation of statistical
data validity (ISO 9936:2006/Amd 1:2011;
EN ISO 9936:2006/A1:2011)

HRN EN ISO 12966-2:2011 en pr
Životinjske i biljne masti i ulja – Određivanje metilnih
estera masnih kiselina plinskom kromatografijom –
2. dio: Priprava metilnih estera masnih kiselina
(ISO 12966-2:2011; EN ISO 12966-2:2011)
Animal and vegetable fats and oils – Gas
chromatography of fatty acid methyl esters – Part 2:
Preparation of methyl esters of fatty acids
(ISO 12966-2:2011; EN ISO 12966-2:2011)

HRN EN ISO 15753:2007/A1:2011 en pr
Životinjske i biljne masti i ulja – Određivanje policikličkih
aromatskih ugljikovodika – Amandman 1: Isključivanje
ulja komine maslina iz područja
(ISO 15753:2006/Amd 1:2011;
EN ISO 15753:2006/A1:2011)
Animal and vegetable fats and oils – Determination of
polycyclic aromatic hydrocarbons – Amendment 1:
Exclusion of olive pomace oil from the scope
(ISO 15753:2006/Amd 1:2011;
EN ISO 15753:2006/A1:2011)

HRN EN ISO 17932:2011 en pr
Palmino ulje – Određivanje vrijednosti indeksa
bijeljenja (DOBI) i količine karotena (ISO 17932:2011;
EN ISO 17932:2011)
Palm oil – Determination of the deterioration of
bleachability index (DOBI) and carotene content
(ISO 17932:2011; EN ISO 17932:2011)

HZN/TO 569, Hrana za životinje

HRN EN ISO 5983-1:2008/Ispr.1:2011 en pr
Hrana za životinje – Određivanje količine dušika i
izračunavanje količine sirovih proteina – 1. dio:
Kjeldahlova metoda (ISO 5983-1:2005/Cor 1:2008;
EN ISO 5983-1:2005/AC:2009)
Animal feeding stuffs – Determination of nitrogen
content and calculation of crude protein content –
Part 1: Kjeldahl method (ISO 5983-1:2005/Cor 1:2008;
EN ISO 5983-1:2005/AC:2009)

HRN EN ISO 12099:2011 en pr
Animal feeding stuffs, cereals and milled cereal
products – Guidelines for the application of near
infrared spectrometry (ISO 12099:2010;
EN ISO 12099:2010)

HRN EN ISO 30024:2011 en pr
Animal feeding stuffs – Determination of phytase
activity (ISO 30024:2009; EN ISO 30024:2009)

HZN/TO E14, Energetski transformatori

HRN EN 50216-12:2011 en pr
Oprema za energetske transformatore i prigušnice –
12. dio: Ventilatori (EN 50216-12:2011)
Power transformer and reactor fittings – Part 12: Fans
(EN 50216-12:2011)

HRN EN 50541-1:2011 en pr
Trofazni suhi distributivni transformatori 50 Hz, od
100 kVA do 3150 kVA za najviši napon opreme koji
ne prelazi 36 kV – 1. dio: Opći zahtjevi
(EN 50541-1:2011)
Three phase dry-type distribution transformers 50 Hz,
from 100 kVA to 3150 kVA, with highest voltage for
equipment not exceeding 36 kV – Part 1: General
requirements (EN 50541-1:2011)

HRN EN 60076-2:2011 en pr
Energetski transformatori – 2. dio: Zagrijanje
transformatora napunjenih tekućim dielektrikom
(IEC 60076-2:2011; EN 60076-2:2011)
Power transformers – Part 2: Temperature rise for
liquid-immersed transformers
(IEC 60076-2:2011; EN 60076-2:2011)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

HRN EN 60601-2-57:2011 en pr
Medicinska električna oprema – Dio 2-57: Posebni
zahtjevi za temeljnu sigurnost i bitne značajke opreme
sa svjetlosnim izvorima koji nisu laseri, a koja je
namijenjena za uporabu u terapijske, dijagnostičke,
promatračke i kozmetičko/estetske svrhe
(IEC 60601-2-57:2011; EN 60601-2-57:2011)
Medical electrical equipment – Part 2-57: Particular
requirements for basic safety and essential performance
of non-laser light source equipment intended for
therapeutic, diagnostic, monitoring and cosmetic/
aesthetic use (IEC 60601-2-57:2011;
EN 60601-2-57:2011)

HRN EN 60825-4:2008/A2:2011 en pr
Sigurnost laserskih proizvoda – 4. dio: Zaštita od
lasera (IEC 60825-4:2006/am2:2011;
EN 60825-4:2006/A2:2011)
Safety of laser products – Part 4: Laser guards
(IEC 60825-4:2006/am2:2011;
EN 60825-4:2006/A2:2011)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRI CLC/TR 50485:2011 en pr
Elektromagnetska kompatibilnost – Mjerenje emisije u
potpuno gluhim komorama (CLC/TR 50485:2010)
Electromagnetic compatibility – Emission
measurements in fully anechoic chambers
(CLC/TR 50485:2010)

HRI CLC/TR 50538:2011 en pr
Direktiva sukladnosti opreme namijenjene za vojnu
primjenu (CLC/TR 50538:2010)
Guide to EMC Directive conformity of equipment
designed for military purposes (CLC/TR 50538:2010)

HRN EN 55016-2-1:2009/A1:2011 en pr
Specifikacija uređaja i metoda za mjerenja radiosmetnja
i otpornosti – Dio 2-1: Metode mjerenja smetnja i
otpornosti – Mjerenja vođenih smetnja
(CISPR 16-2-1:2008/am1:2010;
EN 55016-2-1:2009/A1:2011)
Specification for radio disturbance and immunity
measuring apparatus and methods – Part 2-1:
Methods of measurement of disturbances and
immunity – Conducted disturbance measurements
(CISPR 16-2-1:2008/am1:2010;
EN 55016-2-1:2009/A1:2011)

HRN EN 55016-2-2:2011 en pr
Specifikacija uređaja i metoda za mjerenja radiosmetnja
i otpornosti – Dio 2-2: Metode mjerenja smetnja i
otpornosti – Mjerenje snage smetnje
(CISPR 16-2-2:2010; EN 55016-2-2:2011)
Specification for radio disturbance and immunity
measuring apparatus and methods – Part 2-2:
Methods of measurement of disturbances and
immunity – Measurement of disturbance power
(CISPR 16-2-2:2010; EN 55016-2-2:2011)

HRN EN 55022:2008/A2:2011 en pr
Uređaji informatičke tehnike – Značajke radiosmetnja –
Granice i metode mjerenja (CISPR 22:2005/am2:2006,
MOD; EN 55022:2006/A2:2010)

Information technology equipment – Radio disturbance
characteristics – Limits and methods of measurement
(CISPR 22:2005/am2:2006, MOD;
EN 55022:2006/A2:2010)

HRN EN 55022:2011 en pr
Uređaji informatičke tehnike – Značajke radiosmetnja
– Granice i metode mjerenja (CISPR 22:2008, MOD;
EN 55022:2010)

Information technology equipment – Radio disturbance
characteristics – Limits and methods of measurement
(CISPR 22:2008, MOD; EN 55022:2010)

HRN EN 61000-4-16:2001/A2:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-16:
Ispitne i mjerne tehnike – Ispitivanje otpornosti na
vodljive asimetrične smetnje u frekvencijskome
opsegu od 0 Hz do 150 kHz
(IEC 61000-4-16:1998/am2:2009;
EN 61000-4-16:1998/A2:2011)

Electromagnetic compatibility (EMC) – Part 4-16:
Testing and measurement techniques – Test for
immunity to conducted, common mode disturbances
in the frequency range 0 Hz to 150 kHz
(IEC 61000-4-16:1998/am2:2009;
EN 61000-4-16:1998/A2:2011)

HRN EN 61000-4-21:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-21:
Ispitne i mjerne tehnike – Metode ispitivanja u
odbijajućim komorama (IEC 61000-4-21:2011;
EN 61000-4-21:2011)

Electromagnetic compatibility (EMC) – Part 4-21:
Testing and measurement techniques – Reverberation
chamber test methods (IEC 61000-4-21:2011;
EN 61000-4-21:2011)

HRN EN 61000-4-22:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-22:
Ispitne i mjerne tehnike – Mjerenje emisije i otpornosti
u potpuno gluhim komorama
(IEC 61000-4-22:2010; EN 61000-4-22:2011)

Electromagnetic compatibility (EMC) – Part 4-22:
Testing and measurement techniques – Radiated
emission and immunity measurements in fully
anechoic rooms (FARs) (IEC 61000-4-22:2010;
EN 61000-4-22:2011)

HRN EN 61000-4-3:2008/A2:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-3:
Ispitne i mjerne tehnike – Ispitivanje otpornosti na
zračena radiofrekvencijska elektromagnetska polja
(IEC 61000-4-3:2006/am2:2010;
EN 61000-4-3:2006/A2:2010)

Electromagnetic compatibility (EMC) – Part 4-3:
Testing and measurement techniques – Radiated,
radio-frequency, electromagnetic field immunity test
(IEC 61000-4-3:2006/am2:2010;
EN 61000-4-3:2006/A2:2010)

HRN EN 61000-6-3:2008/A1:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 6-3:
Norme srodnih područja – Norma emisije za stambenu,
poslovnu i lakoiindustrijsku okolinu
(IEC 61000-6-3:2006/am1:2010;
EN 61000-6-3:2007/A1:2011)

Electromagnetic compatibility (EMC) – Part 6-3:
Generic standards – Emission standard for residential,
commercial and light-industrial environments
(IEC 61000-6-3:2006/am1:2010;
EN 61000-6-3:2007/A1:2011)

HRN EN 61000-6-4:2008/A1:2011 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 6-4:
Norme srodnih područja – Norma emisije za industrijsku
okolinu (IEC 61000-6-4:2006/am1:2010;
EN 61000-6-4:2007/A1:2011)

Electromagnetic compatibility (EMC) – Part 6-4:
Generic standards – Emission standard for industrial
environments (IEC 61000-6-4:2006/am1:2010;
EN 61000-6-4:2007/A1:2011)

HZN/TO E502, *Elektrotehnički aspekti telekomunikacijske opreme*

HRN ISO/IEC 14763-3:2011 en pr
Informacijska tehnologija – Izvedba i pogon kabliranja
korisničkih prostora – 3. dio: Ispitivanje svjetlovodnog
kabliranja (ISO/IEC 14763-3:2011)

Information technology – Implementation and
operation of customer premises cabling – Part 3:
Testing of optical fibre cabling
(ISO/IEC 14763-3:2011)

HRI ISO/IEC/TR 29125:2011 en pr
Informacijska tehnologija – Zahtjevi na
telekomunikacijsko kabliranje za daljinsko napajanje
terminalne opreme (ISO/IEC/TR 29125:2010)

Information technology – Telecommunications
cabling requirements for remote powering of terminal
equipment (ISO/IEC/TR 29125:2010)

HRN EN 50173-2:2008/A1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 2. dio: Uredski prostori (EN 50173-2:2007/A1:2010)
Information technology – Generic cabling systems –
Part 2: Office premises (EN 50173-2:2007/A1:2010)

HRN EN 50173-2:2008/A1:2011/Ispr.1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 2. dio: Uredski prostori
(EN 50173-2:2007/A1:2010/AC:2011)
Information technology – Generic cabling systems –
Part 2: Office premises
(EN 50173-2:2007/A1:2010/AC:2011)

HRN EN 50173-3:2008/A1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Industrijski prostori
(EN 50173-3:2007/A1:2010)
Information technology – Generic cabling systems –
Part 3: Industrial premises
(EN 50173-3:2007/A1:2010)

HRN EN 50173-3:2008/A1:2011/Ispr.1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Industrijski prostori
(EN 50173-3:2007/A1:2010/AC:2011)
Information technology – Generic cabling systems –
Part 3: Industrial premises
(EN 50173-3:2007/A1:2010/AC:2011)

HRN EN 50173-4:2008/A1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Stambeni prostori
(EN 50173-4:2007/A1:2010)
Information technology – Generic cabling systems –
Part 3: Homes (EN 50173-4:2007/A1:2010)

HRN EN 50173-4:2008/A1:2011/Ispr.1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Stambeni prostori
(EN 50173-4:2007/A1:2010/AC:2011)
Information technology – Generic cabling systems –
Part 3: Homes (EN 50173-4:2007/A1:2010/AC:2011)

HRN EN 50173-5:2008/A1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Podatkovni centri
(EN 50173-5:2007/A1:2010)
Information technology – Generic cabling systems –
Part 3: Data centres (EN 50173-5:2007/A1:2010)

HRN EN 50173-5:2008/A1:2011/Ispr.1:2011 en pr
Informacijska tehnologija – Generički sustavi kabliranja
– 3. dio: Podatkovni centri
(EN 50173-5:2007/A1:2010/AC:2011)
Information technology – Generic cabling systems –
Part 3: Data centres
(EN 50173-5:2007/A1:2010/AC:2011)

- HRN EN 50174-1:2010/A1:2011 en pr
 Informacijska tehnologija – Instalacija kabliranja –
 1. dio: Specifikacija instalacije i osiguranje kvalitete
 (EN 50174-1:2009/A1:2011)
 Information technology – Cabling installation – Part 1:
 Installation specification and quality assurance
 (EN 50174-1:2009/A1:2011)
- HRN EN 50174-2:2010/A1:2011 en pr
 Informacijska tehnologija – Instalacija kabliranja –
 2. dio: Planiranje instalacije i instalacijska praksa
 unutar zgrada (EN 50174-2:2009/A1:2011)
 Information technology – Cabling installation – Part 2:
 Installation planning and practices inside buildings
 (EN 50174-2:2009/A1:2011)
- HRN EN 50174-2:2010/A1:2011/Ispr.1:2011 en pr
 Informacijska tehnologija – Instalacija kabliranja –
 2. dio: Planiranje instalacije i instalacijska praksa
 unutar zgrada (EN 50174-2:2009/A1:2011/AC:2011)
 Information technology – Cabling installation – Part 2:
 Installation planning and practices inside buildings
 (EN 50174-2:2009/A1:2011/AC:2011)
- HRN EN 50310:2011 en pr
 Primjena izjednačenja potencijala i uzemljenja u
 zgradama s opremom informacijske tehnologije
 (EN 50310:2010)
 Application of equipotential bonding and earthing in
 buildings with information technology equipment
 (EN 50310:2010)

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

- HRN EN 131-1:2011 en pr
 Ljestve – 1. dio: Nazivi, tipovi, funkcionalne veličine
 (EN 131-1:2007+A1:2011)
 Ladders – Part 1: Terms, types, functional sizes
 (EN 131-1:2007+A1:2011)

HZN/TU N1, Nemetalni materijali 1

- HRN EN 14778:2011 en pr
 Solid biofuels – Sampling (EN 14778:2011)
- HRN EN 14780:2011 en pr
 Solid biofuels – Sample preparation (EN 14780:2011)
- HRN EN 14961-2:2011 en pr
 Solid biofuels – Fuel specifications and classes –
 Part 2: Wood pellets for non-industrial use
 (EN 14961-2:2011)
- HRN EN 14961-3:2011 en pr
 Solid biofuels – Fuel specifications and classes –
 Part 3: Wood briquettes for non-industrial use
 (EN 14961-3:2011)
- HRN EN 14961-4:2011 en pr
 Solid biofuels – Fuel specifications and classes –
 Part 4: Wood chips for non-industrial use
 (EN 14961-4:2011)

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

- HRN EN 455-2:2011 en pr
 Medical gloves for single use – Part 2: Requirements
 and testing for physical properties
 (EN 455-2:2009+A1:2011)
- HRN EN ISO 1797-1:2011 en pr
 Dentistry – Shanks for rotary instruments – Part 1:
 Shanks made of metals (ISO 1797-1:2011;
 EN ISO 1797-1:2011)
- HRN EN ISO 3630-5:2011 en pr
 Dentistry – Endodontic instruments – Part 5: Shaping
 and cleaning instruments (ISO 3630-5:2011;
 EN ISO 3630-5:2011)
- HRN EN ISO 7494-1:2011 en pr
 Dentistry – Dental units – Part 1: General requirements
 and test methods (ISO 7494-1:2011;
 EN ISO 7494-1:2011)

- HRN EN ISO 9999:2011 en pr
 Assistive products for persons with disability –
 Classification and terminology (ISO 9999:2011;
 EN ISO 9999:2011)
- HRN EN ISO 10271:2011 en pr
 Dentistry – Corrosion test methods for metallic
 materials (ISO 10271:2011; EN ISO 10271:2011)
- HRN EN ISO 15912:2008/A1:2011 en pr
 Dentistry – Casting investments and refractory die
 materials – Amendment 1: Requirement and test
 method for adequacy of expansion of Type 1 and Type
 2 materials (ISO 15912:2006/Amd 1:2011;
 EN ISO 15912:2006/A1:2011)
- HRN EN 16081:2011 en pr
 Hyperbaric chambers – Specific requirements for fire
 extinguishing systems – Performance, installation and
 testing (EN 16081:2011)
- HRN EN ISO 24234:2008/A1:2011 en pr
 Dentistry – Mercury and alloys for dental amalgam
 – Amendment 1: Requirements for marking and
 manufacturer's instructions concerning mercury
 (ISO 24234:2004/A1:2011;
 EN ISO 24234:2004/A1:2011)

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

- HRN EN 2240-051:2011 en pr
 Aerospace series – Lamps, incandescent – Part 051:
 Lamp, code 1163 – Product standard
 (EN 2240-051:2011)
- HRN EN 2240-052:2011 en pr
 Aerospace series – Lamps, incandescent – Part 052:
 Lamp, code 1222 – Product standard
 (EN 2240-052:2011)
- HRN EN 2240-053:2011 en pr
 Aerospace series – Lamps, incandescent – Part 053:
 Lamp, code 1308 – Product standard
 (EN 2240-053:2011)
- HRN EN 2240-054:2011 en pr
 Aerospace series – Lamps, incandescent – Part 054:
 Lamp, code 1317 – Product standard
 (EN 2240-054:2011)
- HRN EN 2240-055:2011 en pr
 Aerospace series – Lamps, incandescent – Part 055:
 Lamp, code 1495 – Product standard
 (EN 2240-055:2011)
- HRN EN 2240-056:2011 en pr
 Aerospace series – Lamps, incandescent – Part 056:
 Lamp, code 1506 – Product standard
 (EN 2240-056:2011)
- HRN EN 2240-057:2011 en pr
 Aerospace series – Lamps, incandescent – Part 057:
 Lamp, code 1512 – Product standard
 (EN 2240-057:2011)
- HRN EN 2240-058:2011 en pr
 Aerospace series – Lamps, incandescent – Part 058:
 Lamp, code 1524 – Product standard
 (EN 2240-058:2011)
- HRN EN 2240-059:2011 en pr
 Aerospace series – Lamps, incandescent – Part 059:
 Lamp, code 1591 – Product standard
 (EN 2240-059:2011)
- HRN EN 2240-060:2011 en pr
 Aerospace series – Lamps, incandescent – Part 060:
 Lamp, code 1619 – Product standard
 (EN 2240-060:2011)
- HRN EN 2481:2011 en pr
 Aerospace series – Steel FE-PL2108 (36NiCrMo16) –
 1250 MPa ≤ R_m ≤ 1400 MPa – Forgings – D_e ≤ 75 mm
 (EN 2481:2010)

HRN EN 2482:2011 en pr
Aerospace series – Steel FE-PL2108 (36NiCrMo16) – 1100 MPa $\leq R_m \leq$ 1300 MPa – Bars – $D_e \leq$ 100 mm (EN 2482:2010)

HRN EN 2483:2011 en pr
Aerospace series – Steel FE-PL2108 (36NiCrMo16) – 1100 MPa $\leq R_m \leq$ 1300 MPa – Forgings – $D_e \leq$ 100 mm (EN 2483:2010)

HRN EN 2826:2011 en pr
Aerospace series – Burning behaviour of non metallic materials under the influence of radiating heat and flames – Determination of gas components in the smoke (EN 2826:2011)

HRN EN 3155-033:2011 en pr
Aerospace series – Electrical contacts used in elements of connection – Part 033: Contacts, electrical, coaxial, 50 ohms, size 5, female, type D, crimp, class R – Product standard (EN 3155-033:2009)

HRN EN 3155-064:2011 en pr
Aerospace series – Electrical contacts used in elements of connection – Part 064: Contacts, electrical, coaxial, 50 ohms, size 1, female, type D, solder, class R – Product standard (EN 3155-064:2009)

HRN EN 3155-074:2011 en pr
Aerospace series – Electrical contacts used in elements of connection – Part 074: Contacts, electrical, quadrax, size 8, male, type E, crimp, class R – Product standard (EN 3155-074:2009)

HRN EN 3155-075:2011 en pr
Aerospace series – Electrical contacts used in elements of connection – Part 075: Contacts, electrical, quadrax, size 8, female, type E, crimp, class R – Product standard (EN 3155-075:2009)

HRN EN 3687:2011 en pr
Aerospace series – Bolts, normal hexagon head, relieved shank, long thread, in heat resisting steel FE-PA92HT (A286), silver plated – Classification: 1100 MPa/650 °C (EN 3687:2010)

HRN EN 4604-001:2011 en pr
Aerospace series – Cable, electrical, for signal transmission – Part 001: Technical specification (EN 4604-001:2009)

HRN EN 4641-001:2011 en pr
Aerospace series – Cables, optical, 125 μ m diameter cladding – Part 001: Technical specification (EN 4641-001:2009)

HRN EN 4655:2011 en pr
Aerospace series – Steel FE-PM1506 (X1CrNiMoAlTi12-10-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bars – a or $D \leq$ 200 mm – $R_m \geq$ 1400 MPa (EN 4655:2010)

HRN EN 4656:2011 en pr
Aerospace series – Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bars – a or $D \leq$ 200 mm – $R_m \geq$ 1520 MPa (EN 4656:2010)

HRN EN 4657:2011 en pr
Aerospace series – Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bars – a or $D <$ 200 mm – $R_m >$ 1650 MPa (EN 4657:2010)

HRN EN 4658:2011 en pr
Aerospace series – Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Forgings – a or $D \leq$ 200 mm – $R_m \geq$ 1520 MPa (EN 4658:2010)

HRN EN 4660-001:2011 en pr
Aerospace series – Modular and Open Avionics Architectures – Part 001: Architecture (EN 4660-001:2011)

HRN EN 4660-002:2011 en pr
Aerospace series – Modular and Open Avionics Architectures – Part 002: Common Functional Modules (EN 4660-002:2011)

HRN EN 4660-003:2011 en pr
Aerospace series – Modular and Open Avionics Architectures – Part 003: Communications/Network (EN 4660-003:2011)

HRN EN 4660-004:2011 en pr
Aerospace series – Modular and Open Avionics Architectures – Part 004: Packaging (EN 4660-004:2011)

HRN EN 4670:2011 en pr
Aerospace series – Steel FE-PM1507 (X1CrNiMoAlTi12-11-2) – Vacuum induction melted and consumable electrode remelted – Softened – Forging stock – a or $D \leq$ 300 mm (EN 4670:2010)

HRN EN 4671:2011 en pr
Aerospace series – Steel FE-PM1506 (X1CrNiMoAlTi12-10-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Forgings – a or $D \leq$ 200 mm – $R_m \geq$ 1400 MPa (EN 4671:2010)

1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 163/03) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

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

HZN/TO 548/PO 8, *Konstrukcijski eurokodovi; Eurokod 8: Projektiranje konstrukcija otpornih na potresno djelovanje*

nHRN EN 1998-1 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 1. dio: Opća pravila, potresna djelovanja i pravila za zgrade (EN 1998-1:2004+AC:2009)
Eurocode 8: Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings (EN 1998-1:2004+AC:2009)

nHRN EN 1998-1/NA hr 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

nHRN EN 1998-2 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 2. dio: Mostovi (EN 1998-2:2005+AC:2010+A1:2009+A2:2011)
Eurocode 8: Design of structures for earthquake resistance – Part 2: Bridges (EN 1998-2:2005+AC:2010+A1:2009+A2:2011)

nHRN EN 1998-2/NA hr 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

nHRN EN 1998-3 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 3. dio: Ocjenjivanje i obnova zgrada (EN 1998-3:2005+AC:2010)
Eurocode 8: Design of structures for earthquake resistance – Part 3: Assessment and retrofitting of buildings (EN 1998-3:2005+AC:2010)

nHRN EN 1998-3/NA hr 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

nHRN EN 1998-4 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 4. dio: Silosi, spremnici i cjevovodi (EN 1998-4:2006)
Eurocode 8: Design of structures for earthquake resistance – Part 4: Silos, tanks and pipelines (EN 1998-4:2006)

nHRN EN 1998-4/NA hr 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

nHRN EN 1998-5 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 5. dio: Temelji, potporne konstrukcije i geoteknička pitanja (EN 1998-5:2004)
Eurocode 8: Design of structures for earthquake resistance – Part 5: Foundations, retaining structures and geotechnical aspects (EN 1998-5:2004)

nHRN EN 1998-5/NA hr izv
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 5. dio: Temelji, potporne konstrukcije i geoteknička pitanja – Nacionalni dodatak
Eurocode 8: Design of structures for earthquake resistance – Part 5: Foundations, retaining structures and geotechnical aspects – National Annex

nHRN EN 1998-6 hr pp
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 6. dio: Tornjevi, jarboli i dimnjaci (EN 1998-6:2005)
Eurocode 8: Design of structures for earthquake resistance – Part 6: Towers, masts and chimneys (EN 1998-6:2005)

nHRN EN 1998-6/NA hr 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

HZN/TO E20, Električni kabeli

nHRN IEC 60050-461 hr pp
Međunarodni elektrotehnički rječnik – 461. dio: Električni kabeli (IEC 60050-461:2008)
International Electrotechnical Vocabulary – Part 461: Electric cables (IEC 60050-416:2008)

HZN/TO E23, Električni instalacijski pribor

nHRN 1145 hr izv
Utikači i utičnice za kućanstvo i slične svrhe – Dvopolne utičnice s bočnim zaštitnim kontaktom, 2P+PE, 16A 250V izmjenične struje – Glavne dimenzije
Plugs and socket-outlets for household and similar purposes – Two pole socket-outlets with side earthing contact, 2P + PE, 16A 250V a.c. – Main dimensions

nHRN 1146 hr izv
Utikači i utičnice za kućanstvo i slične svrhe – Dvopolni utikači sa zaštitnim kontaktom, 2P+PE, 16A 250V izmjenične struje – Glavne dimenzije
Plugs and socket-outlets for household and similar purposes – Two pole plugs with earthing contact, 2P+PE, 16A 250V a.c. – Main dimensions

nHRN 1147 hr izv
Utikači i utičnice za kućanstvo i slične svrhe – Dvopolni utikači 2P, 16A 250V izmjenične struje za opremu razreda II – Glavne dimenzije
Plugs and socket-outlets for household and similar purposes – Two pole plugs for class II appliances – Main dimensions

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

nHRN IEC 60050-826 hr pp
Međunarodni elektrotehnički rječnik – 826. dio: Električne instalacije (IEC 60050-826:2004)
International Electrotechnical Vocabulary – Part 826: Electrical installations (IEC 60050-826:2004)

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

nHRN EN 131-1 hr pp
Ljestve – 1. dio: Nazivi, tipovi, funkcionalne veličine (EN 131-1:2007+A1:2011)
Ladders – Part 1: Terms, types, functional sizes (EN 131-1:2007+A1:2011)

nHRN EN 131-2 hr pp
Ljestve – 2. dio: Zahtjevi, ispitivanje, označavanje (EN 131-2:2010)
Ladders – Part 2: Requirements, testing, marking (EN 131-2:2010)

nHRN EN 131-3 hr pp
Ljestve – 3. dio: Upute za korisnike (EN 131-3:2007)
Ladders – Part 3: User Instructions (EN 131-3:2007)

nHRN EN 131-4 hr pp
Ljestve – 4. dio: Zglobove ljestve s jednim ili više zglobova (EN 131-4:2007)
Ladders – Part 4: Single or multiple hinge-joint ladders (EN 131-4:2007)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 163/03) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma.

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

HZN/TO 6, Papir, karton i pulpe

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

HZN/TO 8, Brodogradnja

prEN ISO 10133 en
Small craft – Electrical systems – Extra-low-voltage d.c. installations (ISO/DIS 10133:2011)

prEN ISO 13297 en
Small craft – Electrical systems – Alternating current installations (ISO/DIS 13297:2011)

HZN/TO 21/PO 3, Protupožarna i vatrogasna oprema; Vatrodojavni i alarmni sustavi

prEN 1846-3 en
Firefighting and rescue service vehicles – Part 3: Permanently installed equipment – Safety and performance
Vozila za gašenje požara i spašavanje – 3. dio: Trajno ugrađena oprema – Sigurnost i svojstva

HZN/TO 22, Cestovna vozila

prEN ISO 18542-1 en
Road vehicles – Standardized repair and maintenance information (RMI) terminology – Part 1: General information and use case definition (ISO/DIS 18542-1:2011)
Cestovna vozila – Normirano nazivlje u informacijama za popravak i održavanje vozila (RMI) – 1. dio: Opće informacije i definicija slučaja uporabe (use case) (ISO/DIS 18542-1:2011)

HZN/TO 25, Ljevarstvo

FprEN 1564 en
Founding – Ausferritic spheroidal graphite cast iron
Ljevarstvo – Izotermički poboljšani nodularni lijev

HZN/TO 28, Naftni proizvodi i maziva

prEN ISO 13736 rev en
Determination of flash point – Abel closed-cup method (ISO/DIS 13736:2011)
Određivanje točke paljenja – Metoda zatvorene posude po Abelu (ISO/DIS 13736:2011)

prEN 14214 en
Liquid petroleum products – Fatty acid methyl esters (FAME) for diesel engines – Requirements and test methods
Tekući naftni proizvodi – Metilni esteri masnih kiselina (FAME) za dizelske motore – Zahtjevi i metode ispitivanja

prEN 16294 en
Petroleum products and fat and oil derivatives – Determination of phosphorus content in fatty acid methyl esters (FAME) – Optical emission spectral analysis with inductively coupled plasma (ICP OES)
Naftni proizvodi i derivati masti i ulja – Određivanje količine fosfora u metilnim esterima masnih kiselina (FAME) – Optička emisijska spektralna analiza induktivno spregnutom plazmom (ICP OES)

prEN 16300 en
Automotive fuels – Determination of iodine value – Calculation method from gas chromatographic data
Goriva za motorna vozila – Određivanje jednoga broja – Metoda izračunavanja iz plinskrokromatografskih podataka

EN ISO 20846:2011 en
Petroleum products – Determination of sulfur content of automotive fuels – Ultraviolet fluorescence method (ISO 20846:2011)
Naftni proizvodi – Određivanje količine sumpora u gorivima za motorna vozila – Metoda ultraljubičaste fluorescencije (ISO 20846:2011)

DIN 51603-1:2011 de
Flüssige Brennstoffe – Heizöle – Teil 1: Heizöl EL, Mindestanforderungen
Tekuća goriva – Loživa ulja – 1. dio: Loživo ulje EL (ekstra lako), specifikacije

HZN/TO 34/PO 7, Poljoprivredni i prehrambeni proizvodi; Kava, čaj, mirodije i začini

ISO 8455:2011 en
Green coffee – Guidelines for storage and transport
Sirova kava – Smjernice za skladištenje i transport

ISO 24114:2011 en
Instant coffee – Criteria for authenticity
Instant kava – Kriteriji autentičnosti

HZN/TO 44, Zavarivanje i srodni postupci

EN ISO 10863:2011 en
Non-destructive testing of welds – Ultrasonic testing – Use of time-of-flight diffraction technique (TOFD) (ISO 10863:2011)
Nerazorno ispitivanje zavarenih spojeva – Ultrazvučno ispitivanje – Upotreba tehnike difrakcije (TOFD) (ISO 10863:2011)

EN ISO 14271:2011 en
Resistance welding – Vickers hardness testing (low-force and microhardness) of resistance spot, projection, and seam welds (ISO 14271:2011)
Elektrotoporno zavarivanje – Ispitivanje tvrdoće prema Vickersu (malo opterećenje i mikrotvrdoća) elektrotoporno zavarenih točkastih, bradavičastih i šavnih spojeva (ISO 14271:2011)

EN ISO 14372:2011 en
Welding consumables – Determination of moisture resistance of manual metal arc welding electrodes by measurement of diffusible hydrogen (ISO 14372:2011)
Dodatni i potrošni materijali za zavarivanje – Određivanje otpornosti na vlagu elektroda za ručno elektrolučno zavarivanje mjerenjem difundiranog vodika (ISO 14372:2011)

HZN/TO 89, Furniri i drvene ploče

FprEN 14272 en
Plywood – Calculation method for some mechanical properties
Uslojeno drvo – Metode proračuna za pojedina mehanička svojstva

HZN/TO 108, Mehaničke vibracije i udari

ISO 1940-1:2003+Cor 1:2005 en
Mechanical vibration – Balance quality requirements for rotors in a constant (rigid) state – Part 1: Specification and verification of balance tolerances
Mehaničke vibracije – Zahtjevi za kakvoću uravnoteživanja rotora u postojanom (krutom) stanju – 1. dio: Specifikacija i verifikacija dopuštenih odstupanja uravnoteženosti

HZN/TO 120, Koža i obuća

FprCEN ISO/TS 16179 en
Footwear – Critical substances potentially present in footwear and footwear components – Determination of organotin compounds in footwear materials (ISO/DTS 16179:2011)

Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Određivanje organokositrenih spojeva u materijalima za obuću (ISO/DTS 16179:2011)

prEN ISO 17131 en
Leather – Identification of leather with microscopy (ISO/DIS 17131:2011)
Koža – Identifikacija kože pomoću mikroskopije (ISO/DIS 17131:2011)

prEN ISO 20433 en
Leather – Tests for colour fastness – Colour fastness to crocking (ISO/DIS 20433:2011)
Koža – Ispitivanje postojanosti obojenja – Postojanost obojenja na trenje (ISO/DIS 20433:2011)

HZN/TO 134, Gnojiva i poboljšivači tla

EN 15962:2011 en
Fertilizers – Determination of the complexed micro-nutrient content and of the complexed fraction of micro-nutrients
Gnojiva – Određivanje udjela kompleksiranih mikro hranjiva

EN 16024:2011 en
Fertilizers – Determination of 1H-1,2,4-triazole in urea and in fertilizers containing urea – Method using high-performance liquid chromatography (HPLC)
Gnojiva – Određivanje 1H-1,2,4-triazola u urei i u gnojivima koja sadrže ureu – Metoda tekućinske kromatografije visokog učinka (HPLC)

HZN/TO 135, Nerazorna ispitivanja

prEN 14584 en
Non-destructive testing – Acoustic emission – Examination of metallic pressure equipment during proof testing
Nerazorno ispitivanje – Akustička emisija – Ispitivanje metalne tlačne opreme tijekom njezina potvrđivanja

EN 16016-1:2011 en
Non-destructive testing – Radiation methods – Computed tomography – Part 1: Terminology
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 1. dio: Nazivlje

EN 16016-2:2011 en
Non-destructive testing – Radiation methods – Computed tomography – Part 2: Principle, equipment and samples
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 2. dio: Načelo, oprema i uzorci

EN 16016-3:2011 en
Non-destructive testing – Radiation methods – Computed Tomography – Part 3: Operation and interpretation
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 3. dio: Provedba i tumačenje

EN 16016-4:2011 en
Non-destructive testing – Radiation methods – Computed tomography – Part 4: Qualification
Nerazorno ispitivanje – Metode zračenja – Računalna tomografija – 4. dio: Kvalifikacija

prEN ISO 19232-1 en
Non-destructive testing – Image quality of radiographs – Part 1: Image quality indicators (wire type) – Determination of image quality value (ISO/DIS 19232-1:2011)
Nerazorno ispitivanje – Kvaliteta radiograma – 1. dio: Indikatori kvalitete radiograma (žičani) – Određivanje stupnja kvalitete radiograma (ISO/DIS 19232-1:2011)

prEN ISO 19232-2 en
Non-destructive testing – Image quality of radiographs – Part 2: Image quality indicators (step/hole type) – Determination of image quality value (ISO/DIS 19232-2:2011)
Nerazorno ispitivanje – Kvaliteta radiograma – 2. dio: Indikatori kvalitete radiograma (stepeničasti s provrtima) – Određivanje stupnja kvalitete radiograma (ISO/DIS 19232-2:2011)

prEN ISO 19232-3 en
Non-destructive testing – Image quality of radiographs – Part 3: Image quality classes for ferrous metals (ISO/DIS 19232-3:2011)
Nerazorno ispitivanje – Kvaliteta radiograma – 3. dio: Razredi kvalitete radiograma za željezne materijale (ISO/DIS 19232-3:2011)

prEN ISO 19232-4 en
Non-destructive testing – Image quality of radiographs – Part 4: Experimental evaluation of image quality values and image quality tables (ISO/DIS 19232-4:2011)
Nerazorno ispitivanje – Kvaliteta radiograma – 4. dio: Eksperimentalno vrednovanje stupnja kvalitete radiograma i tablice kvalitete radiograma (ISO/DIS 19232-4:2011)

prEN ISO 19232-5 en
Non-destructive testing – Image quality of radiographs – Part 5: Image quality indicators (duplex wire type) – Determination of image unsharpness value (ISO/DIS 19232-5:2011)
Nerazorno ispitivanje – Kvaliteta radiograma – 5. dio: Indikatori kvalitete radiograma (dvostruki žičani) – Određivanje vrijednosti ukupne neoštine radiograma (ISO/DIS 19232-4:2011)

HZN/TO 136, Namještaj

EN 16014:2011 en
Hardware for furniture – Strength and durability of locking mechanisms
Okov za namještaj – Čvrstoća i izdržljivost mehanizma za zaključavanje

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

FprCEN/TS 1451-2 en
Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure – Polypropylene (PP) – Part 2: Guidance for the assessment of conformity
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Polipropilen (PP) – 2. dio: Upute za ocjenjivanje sukladnosti

FprCEN/TS 1519-2 en
Plastic piping systems for soil and waste discharge (low and high temperature) within the building structure – Polyethylene (PE) – Part 2: Guidance for the assessment of conformity
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Polietilen (PE) – 2. dio: Upute za ocjenjivanje sukladnosti

prEN 1796 rev en
Plastics piping systems for water supply with or without pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP)
Plastični cijevni sustavi za tlačnu i netlačnu opskrbu vodom – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliesterskih smola (UP)

prEN 14364 rev en
Plastics piping systems for drainage and sewerage with or without pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Specifications for pipes, fittings and joints
Plastični cijevni sustavi za tlačnu i netlačnu odvodnju i kanalizaciju – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliesterskih smola (UP) – Specifikacije za cijevi, spojnice i brtve

FprCEN/TS 14632 en
Plastics piping systems for drainage, sewerage and water supply, pressure and non-pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) – Guidance for the assessment of conformity
Plastični cijevni sustavi za tlačnu i netlačnu odvodnju, kanalizaciju i opskrbu vodom – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliestera (UP) – Upute za ocjenjivanje sukladnosti

FprCEN ISO/TS 22391-7 en
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 7: Guidance for the assessment of conformity (ISO/PRF TS 22391-7:2011)
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 7. dio: Upute za ocjenjivanje sukladnosti (ISO/PRF TS 22391-7:2011)

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

- ISO 5667-5:2006 en
Water quality – Sampling – Part 5: Guidance on sampling of drinking water from treatment works and piped distribution systems
Kvaliteta vode – Uzorkovanje – 5. dio: Upute za uzorkovanje vode za piće iz uređaja za pročišćavanje i cjevovodnih opskrbnih sustava
- ISO 5667-6:2005 en
Water quality – Sampling – Part 6: Guidance on sampling of rivers and streams
Kvaliteta vode – Uzorkovanje – 6. dio: Upute za uzorkovanje vode rijeka i potoka
- ISO 5667-11:2009 en
Water quality – Sampling – Part 11: Guidance on sampling of groundwaters
Kvaliteta vode – Uzorkovanje – 11. dio: Upute za uzorkovanje podzemnih voda
- ISO 5667-17:2008 en
Water quality – Sampling – Part 17: Guidance on sampling of bulk suspended solids
Kvaliteta vode – Uzorkovanje – 17. dio: Upute za uzorkovanje raspršenih krutina
- ISO 5667-20:2008 en
Water quality – Sampling – Part 20: Guidance on the use of sampling data for decision making – Compliance with thresholds and classification systems
Kvaliteta vode – Uzorkovanje – 20. dio: Upute za uporabu podataka uzrokovanja u odlučivanju – Sukladnost s graničnim vrijednostima i klasifikacijskim sustavima
- ISO 5667-21:2010 en
Water quality – Sampling – Part 21: Guidance on sampling of drinking water distributed by tankers or means other than distribution pipes
Kvaliteta vode – Uzorkovanje – 21. dio: Upute za uzorkovanje vode za piće distribuirane cisternama ili drugim sredstvima isključujući distribucijske cijevi
- ISO 5667-22:2010 en
Water quality – Sampling – Part 22: Guidance on the design and installation of groundwater monitoring points
Kvaliteta vode – Uzorkovanje – 22. dio: Upute za osmišljavanje i postavljanje nadzornih točaka za podzemnu vodu

HZN/TO 159, *Ergonomija*

- FprEN ISO 9241-303 en
Ergonomics of human-system interaction – Part 303: Requirements for electronic visual displays (ISO/FDIS 9241-303:2011)
Ergonomija međudjelovanja čovjek-sustav – 303 dio: Zahtjevi za zaslone (ISO/FDIS 9241-303:2011)

HZN/TO 163/PO 2, *Toplinska izolacija; Toplinski proračun*

- prEN ISO 13788 rev en
Hygrothermal performance of building components and building elements – Internal surface temperature to avoid critical surface humidity and interstitial condensation – Calculation methods (ISO/DIS 13788:2011)
Značajke građevnih dijelova i građevnih dijelova zgrada s obzirom na toplinu i vlagu – Temperatura unutarnje površine kojom se izbjegava kritična vlažnost površine i unutarnja kondenzacija – Metode proračuna (ISO/DIS 13788:2011)

HZN/TO 167, *Metalne konstrukcije*

- EN 1090-1:2009/FprA1 en
Execution of steel structures and aluminium structures – Part 1: Requirements for conformity assessment of structural components

Izvedba čeličnih i aluminijskih konstrukcija – 1. dio: Zahtjevi za ocjenjivanje sukladnosti konstrukcijskih komponenata

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

- FprEN 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/FDIS 15378:2011)

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

- prEN 81-77 en
Safety rules for the construction and installations of lifts – Particular applications for passenger and good passengers lifts – Part 77: Lifts subject to seismic conditions

HZN/TO 179, *Zidane konstrukcije*

- EN 1520:2011 en
Prefabricated reinforced components of lightweight aggregate concrete with open structure with structural or non-structural reinforcement
Predgotovljeni armirani elementi od betona otvorene strukture s laganim agregatom s konstrukcijskim ili nekonstrukcijskim ojačanjem

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

- prEN 71-4 rev en
Safety of toys – Part 4: Experimental sets for chemistry and related activities

HZN/TO 196, *Prirodni kamen*

- EN 12059:2008/FprA1 en
Natural stone products – Dimensional stone work – Requirements
Proizvodi od prirodnog kamena – Dimenzionirani obrađeni kamen – Zahtjevi
- prEN 14066 rev en
Natural stone test methods – Determination of resistance to ageing by thermal shock
Metode ispitivanja prirodnog kamena – Određivanje otpornosti na starenje od toplinskih promjena
- prEN 16301 en
Natural stone test methods – Determination of sensitivity to accidental staining
Metode ispitivanja prirodnog kamena – Određivanje osjetljivosti na slučajno bojanje
- prEN 16306 en
Natural stone test methods – Determination of resistance of marble to thermal and moisture cycles
Metode ispitivanja prirodnog kamena – Određivanje otpornosti mramora na cikluse topline i vlage

HZN/TO 219, *Podne obloge*

- FprEN 994 en
Textile floor coverings – Determination of the side length, squareness and straightness of tiles
- FprEN ISO 10580 en
Resilient, textile and laminate floor coverings – Test method for volatile organic compound (VOC) emissions (ISO 10580:2010)
- FprEN ISO 10582 en
Resilient floor coverings – Heterogeneous poly(vinyl chloride) floor coverings – Specification (ISO 10582:2010)
- FprEN ISO 10595 en
Resilient floor coverings – Semi-flexible/vinylcomposition (VCT) poly(vinyl chloride) floor tiles – Specification (ISO 10595:2010)

- FprEN ISO 10874 en
Resilient, textile and laminate floor coverings – Classification (ISO 10874:2009)
- prEN 14041 en
Resilient, textile and laminate floor coverings – Essential characteristics
- FprEN ISO 23996 en
Resilient floor coverings – Determination of density (ISO 23996:2007)
- FprEN ISO 23997 en
Resilient floor coverings – Determination of mass per unit area (ISO 23997:2007)
- FprEN ISO 23999 en
Resilient floor coverings – Determination of dimensional stability and curling after exposure to heat (ISO 23999:2008)
- FprEN ISO 24011 en
Resilient floor coverings – Specification for plain and decorative linoleum (ISO 24011:2009)
- FprEN ISO 24340 en
Resilient floor coverings – Determination of thickness of layers (ISO 24340:2006)
- FprEN ISO 24341 en
Resilient and textile floor coverings – Determination of length, width and straightness of sheet (ISO 24341:2006)
- FprEN ISO 24342 en
Resilient and textile floor coverings – Determination of side length, edge, straightness and squareness of tiles (ISO 24342:2007)
- FprEN ISO 24343-1 en
Resilient and laminate floor coverings – Determination of indentation and residual indentation – Part 1: Residual indentation (ISO 24343-1:2007)
- FprEN ISO 24344 en
Resilient floor coverings – Determination of flexibility and deflection (ISO 24344:2008)
- FprEN ISO 24345 en
Resilient floor coverings – Determination of peel resistance (ISO 24345:2006)
- FprEN ISO 24346 en
Resilient floor coverings – Determination of overall thickness (ISO 24346:2006)
- FprEN ISO 26985 en
Resilient floor coverings – Identification of linoleum and determination of cement content and ash residue (ISO 26985:2008)
- FprEN ISO 26986 en
Resilient floor coverings – Expanded (cushioned) poly(vinyl chloride) floor covering – Specification (ISO 26986:2010)
- FprEN ISO 26987 en
Resilient floor coverings – Determination of staining and resistance to chemicals (ISO 26987:2008)

HZN/TO 221, Geosintetici

- prEN 13249 rev en
Geotextiles and geotextile-related products – Characteristics required for use in the construction of roads and other trafficked areas (excluding railways and asphalt inclusion)
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izgradnji cesta i ostalih prometnih površina (izuzimaju se željeznice i asfaltni sojevi)
- prEN 13250 rev en
Geotextiles and geotextile-related products – Characteristics required for use in the construction of railways
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izgradnji željeznica

- prEN 13251 rev en
Geotextiles and geotextile-related products – Characteristics required for use in earthworks, foundations and retaining structures
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izvođenju zemljanih radova, temelja i potpornih konstrukcija
- prEN 13252 rev en
Geotextiles and geotextile-related products – Characteristics required for use in drainage systems
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu u drenažnim sustavima
- prEN 13253 rev en
Geotextiles and geotextile-related products – Characteristics required for use in erosion control works (coastal protection, bank revetments)
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu u zaštiti od erozije (zaštita obale, obaloutvrde)
- prEN 13254 rev en
Geotextiles and geotextile-related products – Characteristics required for the use in the construction of reservoirs and dams
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izgradnji akumulacijskih jezera i brana
- prEN 13255 rev en
Geotextiles and geotextile-related products – Characteristics required for use in the construction of canals
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izgradnji kanala
- prEN 13256 rev en
Geotextiles and geotextile-related products – Characteristics required for use in the construction of tunnels and underground structures
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu pri izgradnji tunela i podzemnih građevina
- prEN 13257 rev en
Geotextiles and geotextile-related products – Characteristics required for use in solid waste disposals
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu u odlagalištima krutog otpada
- prEN 13265 rev en
Geotextiles and geotextile-related products – Characteristics required for use in liquid waste containment projects
Geotekstili i proizvodi srodni s geotekstilom – Zahtijevana svojstva za uporabu u odlagalištima tekućeg otpada

HZN/TO 502, Plinski uređaji

- prEN 16304 en
Vent Valves

HZN/TO 503, Metalni materijali

- FprEN 10218-1 en
Steel wire and wire products – General – Part 1: Test methods
Čelična žica i žičani proizvodi – Općenito – 1. dio: Metode ispitivanja
- FprEN 10218-2 en
Steel wire and wire products – General – Part 2: Wire dimensions and tolerances
Čelična žica i žičani proizvodi – Općenito – 2. dio: Mjere i dopuštena odstupanja za žicu

- prEN 10223-3 en
Steel wire and wire products for fencing and netting – Part 3: Hexagonal steel wire mesh products for engineering purposes
Čelična žica i proizvodi od žice za ograđivanje i omrežavanje – 3. dio: Mreže od čelične žice sa šesterokutnim otvorima za inženjersku namjenu
- prEN 10223-8 en
Steel wire and wire products for fencing and netting – Part 8: Welded mesh gabion products
Čelična žica i proizvodi od žice za ograđivanje i omrežavanje – 8. dio: Zavarene mreže za potporni zid (gabion)
- prEN 15616 en
Copper and copper alloys – Determination of cadmium content – Flame atomic absorption spectrometric method (FAAS)
Bakar i legure bakra – Određivanje udjela kadmija – Metoda plamene atomske spektrometrijske apsorpcije (FAAS)
- prEN 16117-2 en
Copper and copper alloys – Determination of copper content – Part 2: Electrolytic determination of copper in materials with copper content higher than 99,80 %
Bakar i legure bakra – Određivanje udjela bakra – 2. dio: Elektrolitičko određivanje bakra u materijalima s udjelom bakra višim od 99,80 %

HZN/TO 504, Korozija i zaštita metala i legura

- EN ISO 7539-6:2011 en
Corrosion of metals and alloys – Stress corrosion testing – Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement (ISO 7539-6:2011)
Korozija metala i legura – Ispitivanje korozije uz naprezanje – 6. dio: Priprema i primjena uzoraka s urezom za ispitivanja pod stalnim opterećenjem ili stalnim pomakom (ISO/FDIS 7539-6:2011)
- prEN 16299 en
Cathodic protection of external surfaces of above ground storage tank bases in contact with soil or foundations
Katodna zaštita vanjskih površina nadzemnih spremnika čiji su oslonci u kontaktu sa zemljom ili temeljima

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

- FprEN ISO 13678 en
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)

HZN/TO 508, Ambalaža i pakiranje

- prEN 16283 en
Packaging – Flexible aluminium tubes – Test method to measure the force to pierce the membrane
- prEN 16284 en
Packaging – Flexible laminate and plastic tubes – Test method to determine the adhesive strength of the membrane
- prEN 16285 en
Packaging – Flexible aluminium tubes – Test method to measure the deformation of the aluminium tube body (Guillotine test)
- prEN 16287 en
Glass packaging – Screw finishes for pressure capsules – MCA 1 finish
- prEN 16288 en
Glass packaging – Screw finishes for pressure capsules – MCA 3 finish

- prEN 16289 en
Glass packaging – Screw finishes for pressure capsules – MCA 7,5 RF finish
- prEN 16290 en
Glass packaging – Screw finishes for pressure capsules – MCA 7,5 R finish
- prEN 16291-1 en
Glass packaging – Screw finishes for pressure capsules – Part 1: Returnable glass MCA 2 finish
- prEN 16291-2 en
Glass packaging – Screw finishes for pressure capsules – Part 2: One way glass MCA 2 finish
- prEN 16292 en
Glass packaging – Screw finishes – Depressed threads
- prEN 16293 en
Packaging – Glass Packaging – Deep BVS finishes for still wines

HZN/TO 509, Cestovna oprema

- FprEN 1423 en
Road marking materials – Drop on materials – Glass beads, antiskid aggregates and mixtures of the two

HZN/TO 513, Mjerne jedinice i mjerila

- prEN ISO 4064-1 en
Water meters intended for the metering of cold potable water and hot water – Part 1: Metrological and technical requirements (ISO/DIS 4064-1:2011)
- prEN ISO 4064-2 en
Water meters intended for the metering of cold potable water and hot water – Part 2: Test methods (ISO/DIS 4064-2:2011)

HZN/TO 519, Adhezivi

- prEN 302-1 rev en
Adhesives for load-bearing timber structures – Test methods – Part 1: Determination of longitudinal tensile shear strength
- prEN 302-2 rev en
Adhesives for load-bearing timber structures – Test methods – Part 2: Determination of resistance to delamination
- prEN 302-3 rev en
Adhesives for load-bearing timber structures – Test methods – Part 3: Determination of the effect of acid damage to wood fibres by temperature and humidity cycling on the transverse tensile strength
- prEN 302-4 rev en
Adhesives for load-bearing timber structures – Test methods – Part 4: Determination of the effects of wood shrinkage on the shear strength
- prEN 302-5 en
Adhesives for load-bearing structures – Test methods – Part 5: Determination of maximum assembly time under referenced conditions
- prEN 302-6 rev en
Adhesives for load-bearing timber structures – Test methods – Part 6: Determination of the minimum pressing time under referenced conditions
- prEN 302-7 rev en
Adhesives for load-bearing timber structures – Test methods – Part 7: Determination of the working life under referenced conditions

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

- FprCEN/TR 16176 en
Characterization of waste – Screening methods for elemental composition by X-ray fluorescence spectrometry for on-site verification

HZN/TO 524, Cestovni prijevoz i prometna telematika

- CEN ISO/TS 13143-2:2011 en
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO/TS 12813 – Part 2: Abstract test suite (ISO/TS 13143-2:2011)
- CEN/TS 15213-6:2011 en
Road transport and traffic telematics – After-theft services for the recovery of stolen vehicles – Part 6: Test procedures
- CEN/TS 15531-4:2011 en
Public transport – Service interface for real-time information relating to public transport operations – Part 4: Functional service interfaces: Facility Monitoring

HZN/TO 526, Bitumenska veziva

- FprEN 1428 en
Bitumen and bituminous binders – Determination of water content in bituminous emulsions – Azeotropic distillation method
Bitumen i bitumenska veziva – Određivanje sadržaja vode u bitumenskim emulzijama – Metoda azeotropne destilacije
- CEN/TR 15352:2006 en
Bitumen and bituminous binders – Development of performance-related specifications – Status report 2005
Bitumen i bitumenska veziva – Razvoj specifikacija vezanih uz ponašanje – Izvještaj 2005

HZN/TO 528, Oprema za željeznice

- EN 14535-1:2005+A1:2011 en
Railway applications – Brake discs for railway rolling stock – Part 1: Brake discs pressed or shrunk onto the axle or drive shaft, dimensions and quality requirements
Oprema za željeznice – Kočni diskovi za vozni park – 1. dio: Kočni diskovi, naprešani ili toplo navučeni na osovine ili vratila, dimenzije i zahtjevi za kvalitetu
- EN 14535-2:2011 en
Railway applications – Brake discs for railway rolling stock – Part 2: Brake discs mounted onto the wheel, dimensions and quality requirements
Oprema za željeznice – Kočni diskovi za vozni park – 2. dio: Kočni diskovi, postavljeni na kotače, dimenzije i zahtjevi za kvalitetu
- EN 15220-1:2008+A1:2011 en
Railway applications – Brake indicators – Part 1: Pneumatically operated brake indicators
Oprema za željeznice – Pokazivači kočnice – 1. dio: Pneumatski upravljani pokazivači kočnice
- EN 15595:2009+A1:2011 en
Railway applications – Braking – Wheel slide protection
Oprema za željeznice – Kočenje – Protuklizna zaštita

HZN/TO 531, Plastika i guma

- FprEN ISO 1043-1 en
Plastics – Symbols and abbreviated terms – Part 1: Basic polymers and their special characteristics (ISO/FDIS 1043-1:2011)
Plastika – Simboli i skraćeni nazivi – 1. dio: Osnovni polimeri i njihova karakteristična svojstva (ISO/FDIS 1043-1:2011)
- FprEN ISO 1043-2 en
Plastics – Symbols and abbreviated terms – Part 2: Fillers and reinforcing materials (ISO/FDIS 1043-2:2011)
Plastika – Simboli i skraćeni nazivi – 2. dio: Punila i materijali za ojačavanje (ISO/FDIS 1043-2:2011)

- prEN ISO 3994 rev en
Plastics hoses – Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials – Specification (ISO/DIS 3994:2011)
Plastična crijeva – Plastomerna crijeva ojačana plastomernom spiralom za usisavanje i istovar vodenih supstanci – Specifikacija (ISO/DIS 3994:2011)
- EN ISO 4671:2007/A1:2011 en
Rubber and plastics hoses and hose assemblies – Methods of measurement of the dimensions of hoses and the lengths of hose assemblies – Amendment 1: Clarification of position at which outside diameter is measured (ISO 4671:2007/Amd 1:2011)
Gumena i plastična crijeva i crijevni uređaji – Metode mjerenja dimenzija crijeva i dužina crijevnih uređaja – Amandman 1: Objašnjenje pozicije na kojoj se mjeri vanjski promjer (ISO 4671:2007/Amd 1:2011)
- EN ISO 6224:2011 en
Thermoplastics hoses, textile-reinforced, for general-purpose water applications – Specification (ISO 6224:2011)
Plastomerna crijeva opće namjene za vodu ojačana tekstilom – Specifikacija (ISO 6224:2011)
- prEN ISO 7792-1 en
Plastics – Thermoplastic polyester (TP) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 7792-1:2011)
Plastika – Plastomerni poliesterski materijali (TP) za kalupljenje i ekstrudiranje – 1. dio: Sustav označivanja i osnove za specifikacije (ISO/DIS 7792-1:2011)
- prEN ISO 7792-2 en
Plastics – Thermoplastic polyester (TP) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO/DIS 7792-2:2011)
Plastika – Plastomerni poliesterski materijali (TP) za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO/DIS 7792-2:2011)
- prEN ISO 8029 en
Plastics hose – General-purpose collapsible water hose, textile-reinforced – Specification (ISO/DIS 8029:2011)
Plastično crijevo – Složivo crijevo opće namjene za vodu ojačano tekstilom – Specifikacija (ISO/DIS 8029:2011)
- FprCEN/TS 16295 en
Plastics – Declaration of the bio-based carbon content
Plastika – Izjava o sadržaju ugljika biološkog podrijetla
- prEN 16296 en
Imperfections in thermoplastics welded joints – Quality levels
Nesavršenosti u termoplastičnim zavarenim spojevima – Razine kvalitete
- FprEN ISO 22007-1 en
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles (ISO 22007-1:2009)
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 1. dio: Opća načela (ISO 22007-1:2009)
- FprEN ISO 22007-2 en
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 2: Transient plane heat source (hot disc) method (ISO 22007-2:2008)
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 2. dio: Metoda kratkotrajnoga površinskog izvora topline (vruća ploča) (ISO 22007-2:2008)

FprEN ISO 22007-3 en
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 3: Temperature wave analysis method (ISO 22007-3:2008)
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 3. dio: Metoda analize temperaturnoga vala (ISO 22007-3:2008)

FprEN ISO 22007-4 en
Plastics – Determination of thermal conductivity and thermal diffusivity – Part 4: Laser flash method (ISO 22007-4:2008)
Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 4. dio: Metoda laserskoga bljeska (ISO 22007-4:2008)

FprEN ISO 25762 en
Plastics – Guidance on the assessment of the fire characteristics and fire performance of fibre-reinforced polymer composites (ISO 25762:2009)
Plastika – Upute o određivanju karakteristika gorenja i ponašanja vlaknima ojačanih polimernih kompozita pri gorenju (ISO 25762:2009)

EN 26801:1993/A1:2011 en
Rubber or plastics hoses – Determination of volumetric expansion – Amendment 1: Deletion of alcohol as pressurizing fluid (ISO 6801:1983/Amd 1:2011)
Gumena ili plastična crijeva – Određivanje volumnog širenja – Amandman 1: Ukidanje alkohola kao tlačnog fluida (ISO 6801:1983/Amd 1:2011)

HZN/TO 533/PO 1, Kolničke konstrukcije; Cestograđevni materijali

prEN 13286-54 en
Unbound and hydraulically bound mixtures – Part 54: Test method for the determination of frost susceptibility – Resistance to freezing and thawing of hydraulically bound mixtures
Nevezane i hidrauličnim vezivom vezane mješavine – 54. dio: Metoda ispitivanja za određivanje osjetljivosti na smrzavanje – Otpornost na smrzavanje i odmrzavanje hidrauličnim vezivom vezanih mješavina

prEN 14227-1 en
Hydraulically bound mixtures – Specifications – Part 1: Cement bound granular mixtures
Mješavine vezane hidrauličnim vezivom – Specifikacije – 1. dio: Zrnate mješavine vezane cementom

prEN 14227-2 en
Hydraulically bound mixtures – Specifications – Part 2: Slag bound mixtures
Mješavine vezane hidrauličnim vezivom – Specifikacije – 2. dio: Mješavine vezane troskom

prEN 14227-3 en
Hydraulically bound mixtures – Specifications – Part 3: Fly ash bound mixtures
Mješavine vezane hidrauličnim vezivom – Specifikacije – 3. dio: Mješavine vezane letećim pepelom

prEN 14227-4 en
Hydraulically bound mixtures – Specifications – Part 4: Fly ash for hydraulically bound mixtures
Mješavine vezane hidrauličnim vezivom – Specifikacije – 4. dio: Leteći pepeo za mješavine vezane hidrauličnim vezivom

prEN 14227-5 en
Hydraulically bound mixtures – Specifications – Part 5: Hydraulic road binder bound mixtures
Mješavine vezane hidrauličnim vezivom – Specifikacije – 5. dio: Mješavine vezane hidrauličnim vezivom za ceste

HZN/TO 534, Spremnici za teret

EN 13081:2008/FprA1 en
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler

Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Spojke sabirača para

EN 13082:2008/FprA1 en
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Ventil za prijenos pare

HZN/TO 535, Agregati

FprEN 933-8 en
Tests for geometrical properties of aggregates – Part 8: Assessment of fines – Sand equivalent test
Ispitivanja geometrijskih svojstava agregata – 8. dio: Procjena sitnih čestica – Određivanje ekvivalenta pijeska

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

FprEN 1096-1 en
Glass in building – Coated glass – Part 1: Definitions and classification
Staklo u graditeljstvu – Staklo s premazom – 1. dio: Definicija i razredba

FprEN 1096-2 en
Glass in building – Coated glass – Part 2: Requirements and test methods for class A, B and S coatings
Staklo u graditeljstvu – Staklo s premazom – 2. dio: Zahtjevi i metode ispitivanja za razrede premaza A, B i S

FprEN 1096-3 en
Glass in building – Coated glass – Part 3: Requirements and test methods for class C and D coatings
Staklo u graditeljstvu – Staklo s premazom – 3. dio: Zahtjevi i metode ispitivanja za razrede premaza C i D

prEN 1096-5 en
Glass in building – Coated glass – Part 5: Test method and classification for the self-cleaning performances of coated glass surfaces

prEN 1932 rev en
External blinds and shutters – Resistance to wind loads – Method of testing and performance criteria

prEN 13330 rev en
Shutters – Hard body impact and resistance against intrusion – Test methods

FprEN 13541 en
Glass in building – Security glazing – Testing and classification of resistance against explosion pressure
Staklo u graditeljstvu – Sigurnosno staklo – Ispitivanje i razredba otpornosti na tlak eksplozije

prEN 13561 rev en
External blinds and awnings – Performance requirements including safety

prEN 13659 rev en
Shutters and external venetian blinds – Performance requirements including safety

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

prEN 12098-1 en
Controls for heating systems – Part 1: Control equipment for hot water heating systems
Regulacija sustava grijanja – 1. dio: Uređaji za kontrolu sustava toplodvodnog grijanja

FprEN 15232 en
Energy performance of buildings – Impact of Building Automation, Controls and Building Management
Energijske značajke zgrada – Utjecaj automatizacije zgrada, nadzor i upravljanje zgradama

HZN/TO 544, *Strojni elementi*

- EN ISO 1580:2011 en
Slotted pan head screws – Product grade A (ISO 1580:2011)
Vijci valjkaste glave s urezom – Proizvod kvalitete izrade A (ISO 1580:2011)
- EN ISO 2009:2011 en
Slotted countersunk flat head screws – Product grade A (ISO 2009:2011)
Vijci s upuštenom ravnom glavom s urezom (uobičajeni oblik glave) – Proizvod razreda A (ISO 2009:2011)
- EN ISO 2010:2011 en
Slotted raised countersunk head screws – Product grade A (ISO 2010:2011)
Vijci s upuštenom glavom oblika leće s urezom (uobičajeni oblik glave) – Proizvod razreda A (ISO 2010:2011)
- EN ISO 7045:2011 en
Pan head screws with type H or type Z cross recess – Product grade A (ISO 7045:2011)
Vijci s valjkastom zaobljenom glavom s križnim upustom tipa H ili Z – Proizvod razreda A (ISO 7045:2011)
- EN ISO 7046-1:2011 en
Countersunk flat head screws (common head style) with type H or type Z cross recess – Product grade A – Part 1: Steel of property class 4.8 (ISO 7046-1:2011)
Vijci s upuštenom ravnom glavom (uobičajeni oblik glave) s križnim upustom tipa H ili Z – Proizvod razreda A – 1. dio: Čelik razreda čvrstoće 4.8 (ISO 7046-1:2011)
- EN ISO 7046-2:2011 en
Countersunk flat head screws (common head style) with type H or type Z cross recess – Product grade A – Part 2: Steel screws of property class 8.8, stainless steel screws and non-ferrous metal screws (ISO 7046-2:2011)
Vijci s upuštenom ravnom glavom s križnim upustom (uobičajeni oblik glave) – Razred A – 2. dio: Čelični vijci razreda čvrstoće 8.8, vijci od nehrđajućeg čelika i vijci od neželjeznih metala (ISO 7046-2:2011)
- EN ISO 7047:2011 en
Raised countersunk head screws (common head style) with type H or type Z cross recess – Product grade A (ISO 7047:2011)
Vijci s upuštenom glavom oblika leće (uobičajeni oblik glave) s križnim upustom tipa H ili Z – Proizvod razreda A (ISO 7047:2011)

HZN/TO 546, *Očuvanje kulturne baštine*

- prEN 16302 en
Conservation of cultural property – Test methods – Measurement of water absorption under low pressure

HZN/TO 549, *Svjetlo i rasvjeta*

- prEN 1838 en
Lighting applications – Emergency lighting
Primjena rasvjete – Nužna rasvjeta
- prEN 16276 en
Evacuation Lighting in Road Tunnels
Evakuacijska rasvjeta u cestovnim tunelima

HZN/TO 551, *Gradnja*

- ISO 9836:2011 en
Performance standards in building – Definition and calculation of area and space indicators
Standardi za svojstva zgrada – Definiranje i proračun površina i prostora
- ISO 11527:2010 en
Building construction – Sealants – Test method for the determination of stringiness
Gradnja zgrada – Brtvila – Metoda ispitivanja za određivanje ljepljivosti

- ISO 13824:2009 en
Bases for design of structures – General principles on risk assessment of systems involving structures
Osnove projektiranja konstrukcija – Opća načela ocjenjivanja rizika konstrukcija koje uključuju sustave
- ISO 15686-1:2011 en
Buildings and constructed assets – Service life planning – Part 1: General principles and framework
Zgrade i druge građevine – Planiranje vijeka uporabe – 1. dio: Opća načela i okvir
- FprEN 15804 en
Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products
Održivost građevina – Izjava zaštite okoliša – Osnovna pravila za kategorizaciju građevinskih proizvoda
- FprEN 15942 en
Sustainability of construction works – Environmental product declarations – Communication format business-to-business
Održivost građevina – Izjava zaštite okoliša – Oblik komunikacije među poduzećima
- ISO 21931-1:2010 en
Sustainability in building construction – Framework for methods of assessment of the environmental performance of construction works – Part 1: Buildings
Održivost pri gradnji zgrada – Metodološki okvir za ocjenjivanje svojstva građevina s obzirom na okoliš – 1. dio: Zgrade

HZN/TO 553, *Predgotovljeni proizvodi*

- EN 15037-2:2009+A1:2011 en
Precast concrete products – Beam-and-block floor systems – Part 2: Concrete blocks
Predgotovljeni betonski proizvodi – Stropni sustavi sastavljeni od nosača i blokova (ispune) – 2. dio: Betonski blokovi
- EN 15037-3:2009+A1:2011 en
Precast concrete products – Beam-and-block floor systems – Part 3: Clay blocks
Predgotovljeni betonski proizvodi – Stropni sustavi sastavljeni od nosača i blokova (ispune) – 3. dio: Glineni blokovi

HZN/TO 555, *Medicinski proizvodi*

- prEN ISO 14644-10 en
Cleanrooms and associated controlled environments – Part 10: Classification of surface cleanliness by chemical concentration (ISO/DIS 14644-10:2011)
Čisti prostori i odgovarajući kontrolirani okoliš – 10. dio: Razredba površinske čistoće prema kemijskoj koncentraciji (ISO/DIS 14644-10:2011)

HZN/TO 556, *Osobna zaštitna oprema*

- FprEN 397 en
Industrial safety helmets
Industrijske zaštitne kacige
- FprEN 812 en
Industrial bump caps
Industrijske zaštitne kape
- FprEN 966 en
Helmets for airborne sports
Kacige za sportove u zraku
- FprEN 1078 en
Helmets for pedal cyclists and for users of skateboards and roller skates
Kacige za bicikliste i korisnike koturaljki i daske na koturaljkama
- FprEN 1384 en
Helmets for equestrian activities
Kacige za jahačke akrobatske aktivnosti

- FprEN 1385 en
Helmets for canoeing and white water sports
Kacige za vožnju kanuima i sportove na divljim vodama
- FprEN 12492 en
Mountaineering equipment – Helmets for mountaineers – Safety requirements and test methods
Planinarska oprema – Kacige za planinare – Zahtjevi sigurnosti i metode ispitivanja
- FprEN 13087-2 en
Protective helmets – Test methods – Part 2: Shock absorption
Zaštitne kacige – Metode ispitivanja – 2. dio: Prigušivanje udara
- FprEN 13087-4 en
Protective helmets – Test methods – Part 4: Retention system effectiveness
Zaštitne kacige – Metode ispitivanja – 4. dio: Djelotvornost sustava pričvršćivanja na glavu
- FprEN 13087-5 en
Protective helmets – Test methods – Part 5: Retention system strength
Zaštitne kacige – Metode ispitivanja – 5. dio: Čvrstoća sustava pričvršćivanja na glavu
- FprEN 13087-6 en
Protective helmets – Test methods – Part 6: Field of vision
Zaštitne kacige – Metode ispitivanja – 6. dio: Vidno polje
- FprEN 13087-10 en
Protective helmets – Test methods – Part 10: Resistance to radiant heat
Zaštitne kacige – Metode ispitivanja – 10. dio: Otpornost na toplinsko zračenje
- FprEN 13484 en
Helmets for users of luges
Kacige za korisnike saonica
- FprEN 13781 en
Protective helmets for drivers and passengers of snowmobiles and bobsleighs
Zaštitne kacige za vozače i putnike motornih saonica i bobova
- FprEN 14052 en
High performance industrial helmets
Visokozahajevne industrijske kacige

HZN/TO 557, Zaštitna odjeća

- prEN ISO 12127-1 en
Clothing for protection against heat and flame – Determination of contact heat transmission through protective clothing or constituent materials – Part 1: Contact heat produced by heating cylinder (ISO/DIS 12127-1:2011)
Odjeća za zaštitu od topline i plamena – Određivanje prijenosa kontaktne topline kroz zaštitnu odjeću ili sastavne materijale – 1. dio: Dodirna toplina proizvedena cilindrom koji se zagrijava (ISO/DIS 12127-1:2011)

HZN/TO 560, Tekstilni proizvodi

- prEN ISO 105-B02 en
Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test (ISO/DIS 105-B02:2011)
Tekstil – Ispitivanje postojanosti obojenja – Dio B02: Postojanost obojenja na umjetno svjetlo: ispitivanje na blijeđenje Xenon lampom (ISO/DIS 105-B02:2011)
- EN ISO 105-B10:2011 en
Textiles – Tests for colour fastness – Part B10: Artificial weathering – Exposure to filtered xenon-arc radiation (ISO 105-B10:2011)

Tekstil – Ispitivanje postojanosti obojenja – Dio B10: Umjetno starenje – Izlaganje filtriranom zračenju Xenonske lampe (ISO 105-B10:2011)

- EN ISO 139:2005/A1:2011 en
Textiles – Standard atmospheres for conditioning and testing (ISO 139:2005/Amd 1:2011)
Tekstil – Standardna atmosfera za kondicioniranje i ispitivanje (ISO 139:2005/Amd 1:2011)
- prEN ISO 1140 en
Fibre ropes – Polyamide – 3-, 4-, 8- and 12- strand ropes (ISO/DIS 1140:2011)
Vlaknasta užad – Poliamidno vlakno – 3-, 4-, 8- i 12-struka užad (ISO/DIS 1140:2011)
- prEN ISO 1141 en
Fibre ropes – Polyester – 3-, 4-, 8- and 12- strand ropes (ISO/DIS 1141:2011)
Vlaknasta užad – Poliestersko vlakno – 3-, 4-, 8- i 12-struka užad (ISO/DIS 1141:2011)
- prEN ISO 1346 en
Fibre ropes – Polypropylene split film, monofilament and multifilament (PP2) and polypropylene high tenacity multifilament (PP3) – 3-, 4-, 8- and 12- strand ropes (ISO/DIS 1346:2011)
Vlaknasta užad – Polipropilensko vrpčasto vlakno, monofilament i multifilament (PP2) i polipropilensko vlakno visoke čvrstoće multifilament (PP3) – 3-, 4-, 8- i 12-struka užad (ISO/DIS 1346:2011)
- EN ISO 10821:2005/A1:2009 en
Industrial sewing machines – Safety requirements for sewing machines, units and systems (ISO 10821:2005/Amd 1:2009, Corrected version 2009-08-01)
Industrijski šivaći strojevi – Sigurnosni zahtjevi za šivaće strojeve, jedinice i sustave (ISO 10821:2005/Amd 1:2009, Ispravljena verzija 2009-08-01)

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

- prEN ISO 11114-2 en
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 2: Non-metallic materials (ISO/DIS 11114-2:2011)
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 2. dio: Nemetalni materijali (ISO/DIS 11114-2:2011)
- EN ISO 11120:1999/FprA1 en
Gas cylinders – Refillable seamless steel tubes for compressed gas transport, of water capacity between 150 l and 3000 l – Design construction and testing – Amendment 1: Requirements for design of tubes for embrittling gases (EN ISO 11120:1999/DAM 1:2011)
- EN 13480-3:2002/FprA5 en
Metallic industrial piping – Part 3: Design and calculation
Metalni industrijski cjevovodi – 3. dio: Projektiranje i proračun
- prEN 13480-4 rev en
Metallic industrial piping – Part 4: Fabrication and installation
Metalni industrijski cjevovodi – 4. dio: Izrada i ugradnja
- prEN 13480-5 rev en
Metallic industrial piping – Part 5: Inspection and testing
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje
- EN ISO 22435:2007/prA1 en
Gas cylinders – Cylinder valves with integrated pressure regulators – Specification and type testing (ISO 22435:2007/DAM 1:2011)
Plinske boce – Ventili za boce s regulatorom tlaka – Specifikacija i ispitivanje tipa (ISO 22435:2007/DAM 1:2011)

HZN/TO 563, Sigurnost strojeva

prEN 1953 rev en
Atomising and spraying equipment for coating materials – Safety requirements

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

EN 14103:2011 en
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of ester and linolenic acid methyl ester contents
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje estera i sadržaja metilnih estera linolenske kiseline

EN 14105:2011 en
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride contents
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja slobodnog i ukupnog glicerola sadržaja mono-, di- i triglicerida

HZN/TO 569, Hrana za životinje

EN 16006:2011 en
Animal feeding stuffs – Determination of the Sum of Fumonisin B1 & B2 in compound animal feed with immunoaffinity clean-up and RP-HPLC with fluorescence detection after pre- or post-column derivatisation
Hrana za životinje – Određivanje sume fumonizina B1 i B2 u smjesama za životinje pročišćavanjem imunoafinitetnim kolonama te RP-HPLC sa fluorescentnom detekcijom nakon pred ili poslijekolonske derivatizacije

EN 16007:2011 en
Animal feeding stuffs – Determination of Ochratoxin A in animal feed by immunoaffinity column clean-up and High Performance Liquid Chromatography with fluorescence detection
Hrana za životinje – Određivanje okratoksina A u hrani za životinje pročišćavanjem imunoafinitetnim kolonama i tekućinskom kromatografijom visokog učinka sa fluorescentnom detekcijom

prEN 16277 en
Animal feeding stuffs – Determination of mercury by cold-vapour atomic absorption spectrometry (CVAAS) after microwave pressure digestion (extraction with 65 % nitric acid and 30 % hydrogen peroxide)

prEN 16278 en
Animal feeding stuffs – Determination of inorganic arsenic

prEN 16279 en
Animal Feeding stuffs – Determination of fluoride content after hydrochloric acid treatment by ion-sensitive electrode method (ISE)

HZN/TO E9, Električna oprema za željeznicu

FprEN 60349-4:2011 en
Electric traction – Rotating electrical machines for rail and road vehicles – Part 4: Permanent magnet synchronous electrical machines connected to an electronic converter (IEC 60349-4:201X)

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

FprEN 62059-32-1:2011 en
Electricity metering equipment – Dependability – Part 32-1: Durability – Testing of the stability of metrological characteristics by applying elevated temperature (IEC 62059-32-1:201X)

HZN/TO E14, Energetski transformatori

FprEN 60076-16:2011 en
Power transformers – Part 16: Transformers for wind turbines application (IEC 60076-16:2011)
Energetski transformatori – 16. dio: Transformatori za primjenu u vjetroagregatima (IEC 60076-16:2011)

HZN/TO E17, Sklopni i upravljački uređaji

EN 60947-4-1:2010/FprA1:2011 en
Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters (IEC 60947-4-1:2009/am1:201X)

HZN/TO E22, Energetska elektronika

EN 61954:2011 en
Static VAR compensators (SVC) – Testing of thyristor valves (IEC 61954:2011)
Statički kompenzatori jalove snage (SVC) – Ispitivanje tiristorških ventila (IEC 61954:2011)

EN 62040-3:2011 en
Uninterruptible power systems (UPS) – Part 3: Method of specifying the performance and test requirements (IEC 62040-3:2011)
Energetski sustavi neprekidnog napajanja (UPS) – 3. dio: Metoda specificiranja svojstava i ispitnih zahtjeva (IEC 62040-3:2011)

HZN/TO E23, Električni instalacijski pribor

EN 60309-1:1999/FprA2:2011 en
Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements (IEC 60309-1:1999/A2:201X)

EN 60309-2:1999/FprA2:2011 en
Plugs, socket-outlets and couplers for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories (IEC 60309-2:1999/A2:201X)

EN 60309-4:2007/FprA1:2011 en
Plugs, socket-outlets and couplers for industrial purposes – Part 4: Switched socket-outlets and connectors with or without interlock (IEC 60309-4:2006/A1:201X)

HZN/TO E31, Eksplozivne atmosfere

EN 14034-1:2004+A1:2011 en
Determination of explosion characteristics of dust clouds – Part 1: Determination of the maximum explosion pressure p_{max} of dust clouds

EN 14034-2:2006+A1:2011 en
Determination of explosion characteristics of dust clouds – Part 2: Determination of the maximum rate of explosion pressure rise (dp/dt)_{max} of dust clouds

EN 14034-3:2006+A1:2011 en
Determination of explosion characteristics of dust clouds – Part 3: Determination of the lower explosion limit LEL of dust clouds

EN 14034-4:2004+A1:2011 en
Determination of explosion characteristics of dust clouds – Part 4: Determination of the limiting oxygen concentration LOC of dust clouds

FprEN 14491 en
Dust explosion venting protective systems

prEN 50050-1:2011 en
Electrostatic hand-held spraying equipment – Safety requirements – Part 1: Hand-held spraying equipment for ignitable liquid coating materials

prEN 50050-2:2011 en
Electrostatic hand-held spraying equipment – Safety requirements – Part 2: Hand-held spraying equipment for ignitable coating powder

- prEN 50050-3:2011 en
Electrostatic hand-held spraying equipment – Safety requirements – Part 3: Hand-held spraying equipment for ignitable flock
- prEN 50059:2011 en
Electrostatic hand-held spraying equipment – Safety requirements – Hand-held spraying equipment for non-ignitable coating materials

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

- EN 60432-1:2000/FprA2:2011 en
Incandescent lamps – Safety specifications – Part 1: Tungsten filament lamps for domestic and similar general lighting purposes (IEC 60432-1:1999/am2:201X)
- EN 60432-2:2000/FprA2:2011 en
Incandescent lamps – Safety specifications – Part 2: Tungsten halogen lamps for domestic and similar general lighting purposes (IEC 60432-2:1999/am2:201X)
- EN 60432-3:2003/FprA3:2011 en
Incandescent lamps – Safety specifications – Part 3: Tungsten-halogen lamps (non-vehicle) (IEC 60432-3:2002/am3:201X)
- FprEN 60598-2-24:2011 en
Luminaires – Part 2-24: Particular requirements – Luminaires with limited surface temperatures (IEC 60598-2-24:201X)
- FprEN 60662:2010 en
High-pressure sodium vapour lamps – Performance specifications (IEC 60662:2011)
- FprEN 60662:2010/FprAA:2011 en
High-pressure sodium vapour lamps – Performance specifications
- FprEN 61347-2-9:2011 en
Lamp electromagnetic controlgear – Part 2-9: Particular requirements for electromagnetic controlgear for discharge lamps (excluding fluorescent lamps) (IEC 61347-2-9:201X)
- EN 61549:2003/FprA3:2011 en
Miscellaneous lamps (IEC 61549:2003/am3:201X)
- FprEN 62560:2010 en
Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specifications (IEC 62560:2011)
- FprEN 62560:2010/FprAA:2011 en
Self-ballasted LED-lamps for general lighting services by voltage > 50 V – Safety specifications

HZN/TO E37, Odvodnici prenapona

- prEN 61643-11:2011 en
Low-voltage surge protective devices – Part 11: Surge protective devices connected to low-voltage power systems – Requirements and test methods (IEC 61643-11:2011, MOD)
- EN 61643-21:2001/FprA2:2011 en
Low voltage surge protective devices – Part 21: Surge protective devices connected to telecommunications and signalling networks – Performance requirements and testing methods (IEC 61643-21:2000/am2:201X)

HZN/TO E45, Nuklearna instrumentacija

- prEN 61772 en
Nuclear power plants – Control rooms – Application of visual display units (VDUs) (IEC 61772:2009)

HZN/TO E55, Žice za namote

- FprEN 60317-49:2011 en
Specifications for particular types of winding wires – Part 49: Glass-fibre wound high temperature resin or varnish impregnated, bare or enamelled round copper wire, temperature index 180 (IEC 60317-49:201X)

- FprEN 60317-50:2011 en
Specifications for particular types of winding wires – Part 50: Glass-fibre wound silicone resin or varnish impregnated, bare or enamelled round copper wire, temperature index 200 (IEC 60317-50:201X)

HZN/TO E59, Uporabne značajke električnih kućanskih aparata

- prEN 50193-1 en
Electric instantaneous water heaters – Part 1: General requirements
- FprEN 60704-2-14:2011 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers (IEC 60704-2-14:201X)
- prEN 62552:2011 en
Household refrigerating appliances – Characteristics and test methods (IEC 62552:2007, MOD+Corr.:2008)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

- EN 50416:2005/FprAB:2011 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric conveyor dishwashing machines
- FprEN 50569:2011 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric spin extractors
- FprEN 50570:2011 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric tumble dryers
- FprEN 50571:2011 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric washing machines
- EN 60335-2-36:2002/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements
- EN 60335-2-37:2002/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-37: Particular requirements for commercial electric deep fat fryers
- EN 60335-2-39:2003/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans
- EN 60335-2-42:2003/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens
- EN 60335-2-47:2003/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-47: Particular requirements for commercial electric boiling pans
- EN 60335-2-48:2003/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-48: Particular requirements for commercial electric grillers and toasters
- EN 60335-2-49:2003/FprAB:2011 en
Household and similar electrical appliances – Safety – Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm

- EN 60335-2-58:2005/FprAC:2011 en
Household and similar electrical appliances – Safety – Part 2-58: Particular requirements for commercial electric dishwashing machines
- EN 60335-2-64:2000/FprAB:2011 en
Safety of household and similar electrical appliances – Part 2-64: Particular requirements for commercial electric kitchen machines
- EN 60335-2-65:2003/FprAA:2011 en
Household and similar electrical appliances – Safety – Part 2-65: Particular requirements for air-cleaning appliances
- EN 60335-2-76:2005/prAE:2011 en
Household and similar electrical appliances – Safety – Part 2-76: Particular requirements

HZN/TO E62, Električna oprema u medicinskoj praksi

- EN 60601-1-8:2007/FprA1:2011 en
Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems (IEC 60601-1-8:2006/am1:201X)
- EN 60601-2-41:2009/FprA1:2011 en
Medical electrical equipment – Part 2-41: Particular requirements for basic safety and essential performance of surgical luminaires and luminaires for diagnosis (IEC 60601-2-41:2009/A1:201X)

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

- FprHD 60364-5-557:2011 en
Low-voltage electrical installations – Part 5-557: Selection and erection of electrical equipment – Auxiliary circuits (IEC 60364-5-55:2001/A3:201X)
- HD 60364-5-56:2010/FprAA:2011 en
Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services

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

- FprEN 61131-6:2011 en
Programmable controllers – Part 6: Functional safety (IEC 61131-6:201X)
- FprEN 61499-1:2011 en
Function blocks – Part 1: Architecture (IEC 61499-1:201X)

HZN/TO E79, Alarmni sustavi

- EN 50131-6:2008/prAA:2011 en
Alarm systems – Intrusion and hold-up systems – Part 6: Power supplies
- CLC/TS 50131-7:2010 en
Alarm systems – Intrusion and hold-up systems – Part 7: Application guidelines
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 7. dio: Smjernice za primjenu
- prEN 50131-10:2011 en
Alarm systems – Intrusion and hold-up systems – Part 10: Application specific requirements
- EN 50132-1:2010 en
Alarm systems – CCTV surveillance systems for use in security applications – Part 1: System requirements
Alarmni sustavi – Sustavi nadzora pomoću TV zatvorenog kruga za uporabu u primjenama zaštite – 1. dio: Zahtjevi za sustave
- prEN 50136-2:2011 en
Alarm systems – Alarm transmission systems and equipment – Part 2: Requirements for Supervised Premises Transceiver (SPT)

- EN 50518-1:2010 en
Monitoring and alarm receiving centre – Part 1: Location and construction requirements
Centar za nadzor i prijam alarma – 1. dio: Zahtjevi za smještaj i izgradnju
- EN 50518-2:2010+AC:2011 en
Monitoring and alarm receiving centre – Part 2: Technical requirements
Centar za nadzor i prijam alarma – 2. dio: Tehnički zahtjevi
- EN 50518-3:2011 en
Monitoring and alarm receiving centre – Part 3: Procedures and requirements for operation
Centar za nadzor i prijam alarma – 3. dio: Postupci i zahtjevi za rad

HZN/TO E80, Pomorska navigacijska i radiokomunikacijska oprema i sustavi

- EN 61162-1:2011 en
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 1: Single talker and multiple listeners (IEC 61162-1:2010)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 1. dio: Jedan govornik i više slušatelja (IEC 61162-1:2010)
- EN 61162-450:2011 en
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 450: Multiple talkers and multiple listeners – Ethernet interconnection (IEC 61162-450:2011)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Digitalna sučelja – 450. dio: Više govornika i više slušatelja – Ethernet interkonekcija (IEC 61162-450:2011)
- EN 62287-1:2011 en
Maritime navigation and radiocommunication equipment and systems – Class B shipborne equipment of the automatic identification system (AIS) – Part 1: Carrier-sense time division multiple access (CSTDMA) techniques (IEC 62287-1:2010)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Brodska oprema razreda B sustava automatske identifikacije (AIS) – 1. dio: Tehnike višestrukog pristupa s vremenskom podjelom detekcije nosioca (CSTDMA) (IEC 62287-1:2010)
- EN 62376:2011 en
Maritime navigation and radiocommunication equipment and systems – Electronic chart system (ECS) – Operational and performance requirements, methods of testing and required test results (IEC 62376:2010)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Sustav za elektroničke karte (ECS) – Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 62376:2010)
- FprEN 62729:2011 en
Maritime navigation and radiocommunication equipment and systems – Shipborne equipment for long-range identification and tracking (LRIT) (IEC 62729:201X)

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

- FprEN 60544-2:2011 en
Electrical insulating materials – Guide for determining of the effects of ionizing radiation on insulating materials – Part 2: Procedures for irradiation and test (IEC 60544-2:201X)

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

EN 55103-2:2009/FprISA:2011 en
Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 2: Immunity

HZN/TO E501, *Elektroakustika i ultrazvuk*

FprEN 60601-2-66:2011 en
Hearing instruments and hearing instrument systems – Part 2-66: General requirements for basic safety and essential performance (IEC 60601-2-66:201X)

HZN/TO E502, *Elektrotehnički aspekti telekomunikacijske opreme*

EN 50173-4:2007/prAB:2011 en
Information technology – Generic cabling systems – Part 4: Homes

HZN/TO Z2, *Ocjenjivanje sukladnosti i akreditacija*

prEN ISO/IEC 17065 en
Conformity assessment – Requirements for bodies certifying products, processes and services (ISO/IEC/DIS 17065:2011)

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

prEN 16281 en
Child protective products – Consumer fitted child resistant locking devices for windows and balcony doors – Safety requirements and test methods

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

prEN 16274 en
Methods for analysis of allergens – Quantification of suspected fragrance allergens in consumer products – Step 1: GC analysis of ready-to-inject sample
Metode za analizu alergena – Određivanje količine sumnjivog mirisa alergena u proizvodima široke potrošnje – Korak 1: GC analize uzorka spremnog za ubrizgavanje

HZN/TU I2, *Strojarstvo 2*

prEN ISO 6165 en
Earth-moving machinery – Basic types – Identification and terms and definitions (ISO/DIS 6165:2011)

prEN 16297-1 en
Pumps – Rotodynamic pumps – Glandless circulators – Part 1: General requirements and procedures for testing and calculation of energy efficiency index (EEI)

prEN 16297-2 en
Pumps – Rotodynamic pumps – Glandless circulators – Part 2: Calculation of energy efficiency index (EEI) for standalone circulators

prEN 16297-3 en
Pumps – Rotodynamic pumps – Glandless circulators – Part 3: Energy efficiency index (EEI) for circulators integrated in products

HZN/TU M1, *Metalni materijali 1*

prEN ISO 7625 rev en
Sintered metal materials, excluding hardmetals – Preparation of samples for chemical analysis for determination of carbon content (ISO/DIS 7625:2011)
Sinterirani metalni materijali, osim tvrdih metala – Priprema uzoraka za kemijske analize za određivanje udjela ugljika (ISO/DIS 7625:2011)

HZN/TU N1, *Nemetalni materijali 1*

FprEN 14961-6 en
Solid biofuels – Fuel specifications and classes – Part 6: Non-woody pellets for non-industrial use

FprEN 15234-2 en
Solid biofuels – Fuel quality assurance – Part 2: Wood pellets for non-industrial use

FprEN 15234-3 en
Solid biofuels – Fuel quality assurance – Part 3: Wood briquettes for non-industrial use

FprEN 15234-4 en
Solid biofuels – Fuel quality assurance – Part 4: Wood chips for non-industrial use

FprEN 15234-5 en
Solid biofuels – Fuel quality assurance – Part 5: Firewood for non-industrial use

FprEN 15234-6 en
Solid biofuels – Fuel quality assurance – Part 6: Non-woody pellets for non-industrial use

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

prEN ISO 3630-2 en
Dentistry – Endodontic instruments – Part 2: Enlargers (ISO/DIS 3630-2:2011)

EN ISO 8362-4:2011 en
Injection containers and accessories – Part 4: Injection vials made of moulded glass (ISO 8362-4:2011)

EN ISO 8536-1:2011 en
Infusion equipment for medical use – Part 1: Infusion glass bottles (ISO 8536-1:2011)

prEN ISO 10323 rev en
Dentistry – Bore diameters for rotary instruments such as discs and wheels (ISO/DIS 10323:2011)

prEN 16280 en
Breath alcohol test devices for general public – Requirements and test methods

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

EN 1459:1998+A2:2010/FprA3 en
Safety of industrial trucks – Self-propelled variable reach trucks

EN 2240-061:2011 en
Aerospace series – Lamps, incandescent – Part 061: Lamp, code 1683 – Product standard

EN 2240-062:2011 en
Aerospace series – Lamps, incandescent – Part 062: Lamp, code 1810 – Product standard

EN 2240-063:2011 en
Aerospace series – Lamps, incandescent – Part 063: Lamp, code 1815 – Product standard

EN 2240-064:2011 en
Aerospace series – Lamps, incandescent – Part 064: Lamp, code 1819 – Product standard

EN 2240-065:2011 en
Aerospace series – Lamps, incandescent – Part 065: Lamp, code 1820 – Product standard

EN 2240-066:2011 en
Aerospace series – Lamps, incandescent – Part 066: Lamp, code 1829 – Product standard

EN 2240-067:2011 en
Aerospace series – Lamps, incandescent – Part 067: Lamp, code 1843 – Product standard

EN 2240-068:2011 en
Aerospace series – Lamps, incandescent – Part 068: Lamp, code 1864 – Product standard

EN 2240-069:2011 en
Aerospace series – Lamps, incandescent – Part 069: Lamp, code 1978 – Product standard

- EN 2240-070:2011 en
Aerospace series – Lamps, incandescent – Part 070: Lamp, code 2232 – Product standard
- EN 2491:2011 en
Aerospace series – Molybdenum disulphide dry lubricants – Coating methods
- EN 2535:2011 en
Aerospace series – Vacuum deposition of cadmium
- EN 2757:2011 en
Aerospace series – Structural adhesives system – Test method – Determination of the drying and ignition residues of primers
- EN 2825:2011 en
Aerospace series – Burning behaviour of non metallic materials under the influence of radiating heat and flames – Determination of smoke density
- EN 2997-001:2011 en
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 001: Technical specification
- EN 2997-014:2011 en
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 014: Square flange receptacle with integrated accessory – Product standard
- EN 2997-015:2011 en
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 015: Jam-nut mounted receptacle with integrated accessory – Product standard
- EN 3155-002:2011 en
Aerospace series – Electrical contacts used in elements of connection – Part 002: List and utilization of contacts
- EN 3280:2011 en
Aerospace series – Bearings, airframe rolling, rigid or self-aligning – Technical specification
- EN 3475-603:2011 en
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 603: Resistance to wet arc tracking
- EN 4008-007:2011 en
Aerospace series – Elements of electrical and optical connection – Crimping tools and associated accessories – Part 007: Positioner for crimping tool M22520/2-01 – Product standard
- EN 4008-008:2011 en
Aerospace series – Elements of electrical and optical connection – Crimping tools and associated accessories – Part 008: Positioner for crimping tool M22520/7-01 – Product standard
- EN 4160:2011 en
Aerospace series – Paints and varnishes – Determination of the effect of thermal exposure
- EN 4165-024:2011 en
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard
- EN 4165-026:2011 en
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 026: Accessories for single modules – Product standard
- EN 4476:2011 en
Aerospace series – Paints and varnishes – Cold curing intermediate coat
- EN 4593:2011 en
Aerospace series – Paints and varnishes – Determination of solar absorptance
- EN 4604-009:2011 en
Aerospace series – Cable, electrical, for signal transmission – Part 009: Cable, coaxial, light weight, 50 ohms, 180 °C, type KW (light WN) – Product standard
- EN 4604-010:2011 en
Aerospace series – Cable, electrical, for signal transmission – Part 010: Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) – Product standard
- EN 4641-301:2011 en
Aerospace series – Cables, optical 125 µm diameter cladding – Part 301: Tight structure 50/125 µm GI fibre nominal 1,8 mm outside diameter – Product standard
- EN 4660-005:2011 en
Aerospace series – Modular and Open Avionics Architectures – Part 005: Software
- EN 4672:2011 en
Aerospace series – Steel FE-PM1504 (X1CrNiMoAlTi12-10-2) – Vacuum induction melted and consumable electrode remelted – Softened – Forging stock – a or D = 300 mm
- EN 4675:2011 en
Aerospace series – Titanium Ti-P63002 (Ti5Al5Mo5V3Cr0.4Fe) – $R_m = 1300$ MPa – Bars – $D_e < 110$ mm
- EN 4678:2011 en
Aerospace series – Weldments and brazements for aerospace structures – Joints of metallic materials by laser beam welding – Quality of weldments
- EN 4683:2011 en
Aerospace series – Steel FE-WM 3504 (X4CrNiMo16-5-1) – Air melted – Filler metal for welding – Wire and rod
- EN 4685:2011 en
Aerospace series – Titanium Ti10V2Fe3Al – Bars – $D < 110$ mm – $R_m = 1240$ MPa
- EN 9101:2011 en
Quality Management Systems – Audit Requirements for Aviation, Space, and Defence Organizations

HZN/TU U1, Opća elektrotehnika 1

- FprEN 60068-2-65:2011 en
Environmental testing – Part 2: Methods of test – Test Fg: Vibration, acoustically induced (IEC 60068-2-65:201X)
- EN 60269-4:2009/FprA1:2011 en
Low-voltage fuses – Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices (IEC 60269-4:2009/A1:201X)
- FprEN 60695-4:2011 en
Fire hazard testing – Part 4: Terminology concerning fire tests for electrotechnical products (IEC 60695-4:201X)
- FprEN 60974-7:2011 en
Arc welding equipment – Part 7: Torches (IEC 60974-7:201X)
- FprEN 61083-2:2011 en
Instruments and software used for measurement in high-voltage and high-current tests – Part 2: Requirements for software for impulse tests (IEC 61083-2:201X)

FprEN 61788-13:2011 en
Superconductivity – Part 13: AC loss measurements
– Magnetometer methods for hysteresis loss in
superconducting multifilamentary composites
(IEC 61788-13:201X)

HZN/TU V1, *Elektronika 1*

prEN 50289-4-16:2011 en
Communication cables – Specifications for test
methods – Part 4-16: Environmental test methods –
Circuit integrity under fire conditions

FprEN 50411-2-2:2011 en
Fibre organisers and closures to be used in optical
fibre communication systems – Product specifications
– Part 2-2: Sealed pan fibre splice closures Type 1,
for category S & A

FprEN 50411-2-3:2011 en
Fibre organisers and closures to be used in optical
fibre communication systems – Product specifications
– Part 2-3: Sealed inline fibre splice closures Type 1,
for category S & A

FprEN 50411-2-4:2011 en
Fibre organisers and closures to be used in optical
fibre communication systems – Product specifications
– Part 2-4: Sealed dome fibre splice closures Type 1,
for category S & A

FprEN 60191-4:2011 en
Mechanical standardization of semiconductor devices
– Part 4: Coding system and classification into forms of
package outlines for semiconductor device packages
(IEC 60191-4:201X)

FprEN 60191-6-1:2011 en
Mechanical standardization of semiconductor devices
– Part 6-1: General rules for the preparation of outline
drawings of surface mounted semiconductor device
packages – Design guide for gull-wing lead terminals
(IEC 60191-6-1:201X)

FprEN 60512-99-001:2011 en
Test schedule for engaging and separating connectors
under electrical load – Part 60512-99-001: Connectors
used in twisted pair communication cabling with
remote power (IEC 60512-99-001:201X)

FprEN 61169-1:2011 en
Radio-frequency connectors – Part 1: Generic
specification – General requirements and measuring
methods (IEC 61169-1:201X)

FprEN 61291-1:2011 en
Optical amplifiers – Part 1: Generic specification
(IEC 61291-1:201X)

FprEN 61291-2:2011 en
Optical amplifiers – Part 2: Digital applications –
Performance specification template
(IEC 61291-2:201X)

FprEN 61300-3-33:2011 en
Fibre optic interconnecting devices and passive
components – Basic test and measurement procedures
– Part 3-33: Examinations and measurements –
Withdrawal force from a resilient alignment sleeve
using gauge pins (IEC 61300-3-33:201X)

FprEN 61754-28:2011 en
Fibre optic interconnecting devices and passive
components – Fibre optic connector interfaces – Part
28: Type LF3 connector family (IEC 61754-28:201X)

FprEN 61754-29:2011 en
Fibre optic interconnecting devices and passive
components – Fibre optic connector interfaces – Part
29: Type BLINK connector series for Category C.
Controlled environment (IEC 61754-29:201X)

FprEN 62149-1:2011 en
Fibre optic active components and devices –
Performance standards – Part 1: General and guidance
(IEC 62149-1:201X)

FprEN 62150-3:2011 en
Fibre optic active components and devices – Test
and measurement procedures – Part 3: Optical power
variation induced by mechanical disturbance in optical
receptacles and transceiver interfaces
(IEC 62150-3:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

EN 60745-2-4:2009 en
Hand-held motor-operated electric tools – Safety
– Part 2-4: Particular requirements for sanders and
polishers other than disk type (IEC 60745-2-4:2002,
MOD+am1:2008, MOD)

EN 60745-2-4:2009/FprAA:2011 en
Hand-held motor-operated electric tools – Safety
– Part 2-4: Particular requirements for sanders and
polishers other than disk type

FprEN 61558-2-14:2011 en
Safety of transformers, reactors, power supply units
and combinations thereof – Part 2-14: Particular
requirements and test for variable transformers and
power supply units incorporating variable transformers
(IEC 61558-2-14:201X)

FprEN 61558-2-26:2011 en
Safety of transformers, reactors, power supply units
and combinations thereof – Part 2-26: Particular
requirements and tests for transformers and power
supply units for saving energy and other purposes
(IEC 61558-2-26:201X)

FprEN 61982-1:2011 en
Secondary batteries (except lithium) for the propulsion
of electric road vehicles – Performance and endurance
tests (IEC 61982-1:201X)

1.4 Povučene hrvatske norme

Na prijedlog tehničkog odbora ravnatelj Hrvatskoga zavoda
za norme donosi odluku o povlačenju hrvatske norme kada je
donesena nova hrvatska norma ili kada je postojeća hrvatska
norma postala neprimjenjiva. Kada je koje područje uređeno
propisima i neki od propisa (pravilnik, naredba, naputak) upućuje
na norme koje su povučene, one se primjenjuju silom tih propisa
i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u
Normoteci HZN-a.

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

HRN EN ISO 15320:2008 en
Pulpa, papir i karton – Određivanje pentaklorofenola
(PCP) u vodenom ekstraktu (ISO 15320:2003;
EN ISO 15320:2003)
Pulp, paper and board – Determination of
pentachlorophenol in an aqueous extract
(ISO 15320:2003; EN ISO 15320:2003)
– zamijenjena s: HRN EN ISO 15320:2011

HZN/TO 25, *Ljevarstvo*

HRN EN 1559-3:2001 en
Ljevarstvo – Tehnički uvjeti isporuke – 3. dio: Dodatni
zahtjevi za odljevke od željeznog lijeva
(EN 1559-3:1997)
Founding – Technical conditions of delivery – Part 3:
Additional requirements for iron castings
(EN 1559-3:1997)
– zamijenjena s: HRN EN 1559-3:2011

HRN EN 1561:2001 en
Ljevarstvo – Sivi ljevovi (EN 1561:1997)
Founding – Grey cast irons (EN 1561:1997)
– zamijenjena s: HRN EN 1561:2011

HZN/TO 28, *Naftni proizvodi i maziva*

- HRN ISO 3987:2004 en
Naftni proizvodi – Ulja za podmazivanje i aditivi –
Određivanje sulfatnog pepela (ISO 3987:1994)
Petroleum products – Lubricating oils and additives –
Determination of sulfated ash (ISO 3987:1994)
- zamijenjena s: HRN ISO 3987:2011
- HRN ISO 7507-4:1999 en
Nafta i tekući naftni proizvodi – Umjeravanje okomitih
valjkastih spremnika – 4. dio: Metoda mjerenja
unutarnjega elektro-optičkog razmaka
(ISO 7507-4:1995)
Petroleum and liquid petroleum products – Calibration
of vertical cylindrical tanks – Part 4: Internal electro-
optical distance-ranging method (ISO 7507-4:1995)
- zamijenjena s: HRN ISO 7507-4:2011
- HRN ISO 10307-1:2003 en
Naftni proizvodi – Ukupna količina sedimenta u
ostatnim loživim uljima – 1. dio: Određivanje vrućom
filtracijom (ISO 10307-1:1993+Cor 1:1997)
Petroleum products – Total sediment in residual fuel
oils – Part 1: Determination by hot filtration
(ISO 10307-1:1993+Cor 1:1997)
- zamijenjena s: HRN ISO 10307-1:2011
- HRN ISO 10307-2:2003 en
Naftni proizvodi – Ukupna količina sedimenta u
ostatnim loživim uljima – 2. dio: Određivanje starenja
standardnim postupkom (ISO 10307-2:1993)
Petroleum products – Total sediment in residual fuel
oils – Part 2: Determination using standard procedure
for ageing (ISO 10307-2:1993)
- zamijenjena s: HRN ISO 10307-2:2011
- HRN ISO 11158:2005 en
Maziva, industrijska ulja i srodni proizvodi – (razred
L) – Podrazred H (hidraulički sustavi) – Specifikacije
za kategorije HH, HL, HM, HR, HV i HG
(ISO 11158:1997)
Lubricants, industrial oils and related products – (class
L) – Family H (hydraulic systems) – Specifications for
categories HH, HL, HM, HR, HV and HG
(ISO 11158:1997)
- zamijenjena s: HRN ISO 11158:2011
- HRN ISO/TR 13739:2005 en
Naftni proizvodi – Metode za utvrđivanje praktičnih
postupaka pretakanja brodskih goriva u brodove
(ISO/TR 13739:1998)
Petroleum products – Methods for specifying practical
procedures for the transfer of bunker fuels to ships
(ISO/TR 13739:1998)
- zamijenjena s: HRN ISO 13739:2011

HZN/TO 34/PO 12, *Poljoprivredni i prehrambeni proizvodi; Aditivi, kontaminanti, ambalaža za prehrambene proizvode i predmeti u dodiru s hranom*

- HRN EN 13834:2007 en
Posuđe za kuhanje hrane – Posuđe za pećnice u
kućanstvu (EN 13834:2007)
Cookware – Ovenware for use in traditional domestic
ovens (EN 13834:2007)
- zamijenjena s: HRN EN 13834:2011

HZN/TO 35, *Boje i lakovi*

- HRN EN ISO 1513:1999 en
Boje i lakovi – Ispitivanje i priprema ispitnih uzoraka
(ISO 1513:1992; EN ISO 1513:1994)
Paints and varnishes – Examination and preparation
of samples for testing (ISO 1513:1992;
EN ISO 1513:1994)
- zamijenjena s: HRN EN ISO 1513:2011

- HRN EN ISO 4628-6:2004 en
Boje i lakovi – Ocjena razgradnje prevlaka – Označivanje
intenziteta, količine i veličine uobičajenih vrsta
oštećenja – 6. dio: Ocjenjivanje stupnja kredanja
postupkom s ljepljivom vrpcom (ISO 4628-6:1990;
EN ISO 4628-6:2001)
Paints and varnishes – Evaluation of degradation of
paint coatings – Designation of intensity, quantity and
size of common types of defect – Part 6: Rating of
degree of chalking by tape method (ISO 4628-6:1990;
EN ISO 4628-6:2001)
- zamijenjena s: HRN EN ISO 4628-6:2011
- HRN EN 13523-1:2002 en
Metali zaštićeni trakom – Metode ispitivanja – 1. dio:
Debljina sloja (EN 13523-1:2001)
Coil coated metals – Test methods – Part 1: Coating
thickness (EN 13523-1:2001)
- zamijenjena s: HRN EN 13523-1:2011
- HRN EN 13523-8:2002 en
Metali zaštićeni trakom – Metode ispitivanja – 8. dio:
Otpornost na slanu maglu (EN 13523-8:2002)
Coil coated metals – Test methods – Part 8: Resistance
to salt spray (fog) (EN 13523-8:2002)
- zamijenjena s: HRN EN 13523-8:2011
- HRN EN 13523-10:2002 en
Metali zaštićeni trakom – Metode ispitivanja – 10. dio:
Otpornost na fluorescentno UV zračenje i kondenzaciju
vode (EN 13523-10:2001)
Coil coated metals – Test methods – Part 10:
Resistance to fluorescent UV light and water
condensation (EN 13523-10:2001)
- zamijenjena s: HRN EN 13523-10:2011
- HRN EN 13523-21:2004 en
Metali zaštićeni trakom – Metode ispitivanja – 21. dio:
Ocjena ploča izloženih vanjskim utjecajima
(EN 13523-21:2003)
Coil coated metals – Test methods – Part 21: Evaluation
of outdoor exposed panels (EN 13523-21:2003)
- zamijenjena s: HRN EN 13523-21:2011
- HRN EN 13523-22:2003 en
Metali zaštićeni trakom – Metode ispitivanja – 22. dio:
Razlike u boji – Vizualna usporedba
(EN 13523-22:2003)
Coil coated metals – Test methods – Part 22: Colour
difference – Visual comparison (EN 13523-22:2003)
- zamijenjena s: HRN EN 13523-22:2011

HZN/TO 44, *Zavarivanje i srodni postupci*

- HRN EN ISO 15609-5:2007 en
Specifikacija i kvalifikacija postupaka zavarivanja
za metalne materijale – Specifikacija postupka
zavarivanja – 5. dio: Elektrootporno zavarivanje
(ISO 15609-5:2004; EN ISO 15609-5:2004)
Specification and qualification of welding procedures
for metallic materials – Welding procedure specification
– Part 5: Resistance welding (ISO 15609-5:2004;
EN ISO 15609-5:2004)
- zamijenjena s: HRN EN ISO 15609-5:2011
- HRN EN ISO 17654:2004 en
Razorna ispitivanja zavara metalnih materijala –
Elektrootporno zavarivanje – Tlačno ispitivanje
elektrootporno zavarenih šavnih spojeva
(ISO 17654:2003; EN ISO 17654:2003)
Destructive test on welds in metallic materials –
Resistance welding – Pressure test on resistance seam
welds (ISO 17654:2003; EN ISO 17654:2003)
- zamijenjena s: HRN EN ISO 17654:2011

HZN/TO 54, Eterična ulja

- HRN ISO 8897:2004 en
Ulje bobulja borovice (*Juniperus communis* Linnaeus) (ISO 8897:1991)
Oil of juniper berry (*Juniperus communis* Linnaeus) (ISO 8897:1991)
- zamijenjena s: HRN ISO 8897:2011
- HRN ISO 14715:2005 en
Ulje timijana koje sadrži timol, španjolski tip [*Thymus zygis* (Loefl.) L.] (ISO 14715:1999)
Oil of thyme containing thymol, Spanish type [*Thymus zygis* (Loefl.) L.] (ISO 14715:1999)
- zamijenjena s: HRN ISO 14715:2011

HZN/TO 82, Rudarstvo

- HRN EN 1889-1:2008 en
Strojevi za podzemne rudnike – Pokretni strojevi u podzemnim rudnicima – Sigurnost – 1. dio: Vozila na gumenim kotačima (EN 1889-1:2003)
Machines for underground mines – Mobile machines working underground – Safety – Part 1: Rubber tyred vehicles (EN 1889-1:2003)
- zamijenjena s: HRN EN 1889-1:2011

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

- HRN EN 14276-1:2008 en
Tlačna oprema za rashladne sustave i dizalice topline – 1. dio: Posude – Opći zahtjevi (EN 14276-1:2006)
Pressure equipment for refrigerating systems and heat pumps – Part 1: Vessels – General requirements (EN 14276-1:2006)
- zamijenjena s: HRN EN 14276-1:2011
- HRN EN 14276-2:2008 en
Tlačna oprema za rashladne sustave i dizalice topline – 2. dio: Cjevovodi – Opći zahtjevi (EN 14276-2:2007)
Pressure equipment for refrigerating systems and heat pumps – Part 2: Piping – General requirements (EN 14276-2:2007)
- zamijenjena s: HRN EN 14276-2:2011

HZN/TO 89, Furniri i drvene ploče

- HRN EN 12369-2:2008 en
Wood-based panels – Characteristic values for structural design – Part 2: Plywood (EN 12369-2:2004)
- zamijenjena s: HRN EN 12369-2:2011

HZN/TO 108, Mehaničke vibracije i udari

- HRN ISO 7919-2:2000 en
Mehaničke vibracije nestapnih strojeva – Mjerenja na rotirajućim osovima i kriteriji za procjenjivanje – 2. dio: Veliki kopneni parni turboagregati (ISO 7919-2:1996)
Mechanical vibration of non-reciprocating machines – Measurements on rotating shafts and evaluation criteria – Part 2: Large land-based steam turbine generator sets (ISO 7919-2:1996)
- zamijenjena s: HRN ISO 7919-2:2011
- HRN ISO 10816-2:1999 en
Mehaničke vibracije – Ocjenjivanje vibracija strojeva mjerenjem na nerotirajućim dijelovima – 2. dio: Veliki kopneni parnoturbinski generatorski sklopovi koji prelaze 50 MW (ISO 10816-2:1996)
Mechanical vibration – Evaluation of machine vibration by measurements on non-rotating parts – Part 2: Large land-based steam turbine generator sets in excess of 50 MW (ISO 10816-2:1996)
- zamijenjena s: HRN ISO 10816-2:2011

HZN/TO 134, Gnojiva i poboljšivači tla

- HRS CEN/TS 15919:2010 en
Gnojiva – Ekstrakcija fosfora topivog u 2 % mravljoj kiselini (CEN/TS 15919:2009)

Fertilizers – Extraction of phosphorus soluble in 2 % formic acid (CEN/TS 15919:2009)
- zamijenjena s: HRN EN 15919:2011

HRS CEN/TS 15920:2010 en
Gnojiva – Ekstrakcija fosfora topivog u 2 % limunskoj kiselini (CEN/TS 15920:2009)
Fertilizers – Extraction of phosphorus soluble in 2 % citric acid (CEN/TS 15920:2009)
- zamijenjena s: HRN EN 15920:2011

HRS CEN/TS 15921:2010 en
Gnojiva – Ekstrakcija topivog fosfora prema Petermannu na 65 °C (CEN/TS 15921:2009)
Fertilizers – Extraction of soluble phosphorus according to Petermann at 65 °C (CEN/TS 15921:2009)
- zamijenjena s: HRN EN 15921:2011

HRS CEN/TS 15922:2010 en
Gnojiva – Ekstrakcija topivog fosfora prema Petermannu na sobnoj temperaturi (CEN/TS 15922:2009)
Fertilizers – Extraction of soluble phosphorus according to Petermann at ambient temperature (CEN/TS 15922:2009)
- zamijenjena s: HRN EN 15922:2011

HRS CEN/TS 15923:2010 en
Gnojiva – Ekstrakcija fosfora topivog u Joulievom alkalnom amonijevom citratu (CEN/TS 15923:2009)
Fertilizers – Extraction of phosphorus soluble in Joulie's alkaline ammonium citrate (CEN/TS 15923:2009)
- zamijenjena s: HRN EN 15923:2011

HRS CEN/TS 15924:2010 en
Gnojiva – Određivanje finoće mljevenja mekih prirodnih fosfata (CEN/TS 15924:2009)
Fertilizers – Determination of the fineness of grinding of soft natural phosphates (CEN/TS 15924:2009)
- zamijenjena s: HRN EN 15924:2011

HRS CEN/TS 15925:2010 en
Gnojiva – Ekstrakcija ukupnog sumpora prisutnog u različitim oblicima (CEN/TS 15925:2009)
Fertilizers – Extraction of total sulfur present in various forms (CEN/TS 15925:2009)
- zamijenjena s: HRN EN 15925:2011

HRS CEN/TS 15926:2010 en
Gnojiva – Ekstrakcija vodotopivog sumpora prisutnog u različitim oblicima (CEN/TS 15926:2009)
Fertilizers – Extraction of water soluble sulfur where the sulfur is in various forms (CEN/TS 15926:2009)
- zamijenjena s: HRN EN 15926:2011

HRS CEN/TS 15956:2010 en
Gnojiva – Ekstrakcija fosfora topivog u mineralnim kiselinama (CEN/TS 15956:2009)
Fertilizers – Extraction of phosphorus soluble in mineral acids (CEN/TS 15956:2009)
- zamijenjena s: HRN EN 15956:2011

HRS CEN/TS 15957:2010 en
Gnojiva – Ekstrakcija fosfora topivog u neutralnom amonijevom citratu (CEN/TS 15957:2009)
Fertilizers – Extraction of phosphorus which is soluble in neutral ammonium citrate (CEN/TS 15957:2009)
- zamijenjena s: HRN EN 15957:2011

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

- HRN ISO 12176-3:2008 en
Plastične cijevi i spojnice – Oprema za spajanje polietilenskih sustava zavarivanjem – 3. dio: Identifikacija izvođača (ISO 12176-3:2006)
Plastics pipes and fittings – Equipment for fusion jointing polyethylene systems – Part 3: Operator's badge (ISO 12176-3:2006)
- zamijenjena s: HRN ISO 12176-3:2011

HRN EN 12666-1:2006 en
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polietilen (PE) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 12666-1:2005)
Plastics piping system for non-pressure underground drainage and sewerage – Polyethylene (PE) – Part 1: Specifications for pipes, fittings and the system (EN 12666-1:2005)
- zamijenjena s: HRN EN 12666-1:2011

HZN/TO 159, Ergonomija

HRN EN 13861:2004 en
Sigurnost strojeva – Smjernice za primjenu ergonomskih norma u dizajniranju strojeva (EN 13861:2002)
Safety of machinery – Guidance for the application of ergonomics standards in the design of machinery (EN 13861:2002)
- zamijenjena s: HRN EN 13861:2011

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 8624:2008 en
Oftalmološka optika – Okviri za naočale – Mjerni sustav i nazivlje (ISO 8624:2002; EN ISO 8624:2002)
Ophthalmic optics – Spectacle frames – Measuring system and terminology (ISO 8624:2002; EN ISO 8624:2002)
- zamijenjena s: HRN EN ISO 8624:2011

HRN ISO 9211-1:2004 en
Optika i optički instrumenti – Optički slojevi – 1. dio: Definicije (ISO 9211-1:1994)
Optics and optical instruments – Optical coatings – Part 1: Definitions (ISO 9211-1:1994)
- zamijenjena s: HRN ISO 9211-1:2011

HRN ISO 9211-2:2004 en
Optika i optički instrumenti – Optički slojevi – 2. dio: Optička svojstva (ISO 9211-2:1994)
Optics and optical instruments – Optical coatings – Part 2: Optical properties (ISO 9211-2:1994)
- zamijenjena s: HRN ISO 9211-2:2011

HRN ISO 9211-3:2004 en
Optika i optički instrumenti – Optički slojevi – 3. dio: Otpornost na utjecaje okoliša (ISO 9211-3:1994)
Optics and optical instruments – Optical coatings – Part 3: Environmental durability (ISO 9211-3:1994)
- zamijenjena s: HRN ISO 9211-3:2011

HRN ISO 9211-4:2004 en
Optika i optički instrumenti – Optički slojevi – 4. dio: Specifične metode ispitivanja (ISO 9211-4:1996)
Optics and optical instruments – Optical coatings – Part 4: Specific test methods (ISO 9211-4:1996)
- zamijenjena s: HRN ISO 9211-4:2011

HRN EN ISO 10943:2008 en
Oftalmološki instrumenti – Indirektni oftalmoskopi (ISO 10943:2006; EN ISO 10943:2006)
Ophthalmic instruments – Indirect ophthalmoscopes (ISO 10943:2006; EN ISO 10943:2006)
- zamijenjena s: HRN EN ISO 10943:2011

HRN EN ISO 14534:2010 en
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Osnovni zahtjevi (ISO 14534:2002; EN ISO 14534:2009)
Ophthalmic optics – Contact lenses and contact lens care products – Fundamental requirements (ISO 14534:2002; EN ISO 14534:2009)
- zamijenjena s: HRN EN ISO 14534:2011

HRN ISO 17123-1:2004 en
Optika i optički instrumenti – Terenski postupci za ispitivanje geodetskih instrumenata i instrumenata izmjere – 1. dio: Teorija (ISO 17123-1:2002)
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 1: Theory (ISO 17123-1:2002)
- zamijenjena s: HRN ISO 17123-1:2011

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

HRS CEN/TS 81-11:2009 en
Sigurnosna pravila za konstrukciju i ugradnju dizala – Osnove i tumačenja – 11. dio: Tumačenja u odnosu na EN 81 porodicu norma (CEN/TS 81-11:2009)
Safety rules for the construction and installation of lifts – Basics and interpretations – Part 11: Interpretations related to EN 81 family of standards (CEN/TS 81-11:2009)
- zamijenjena s: HRS CEN/TS 81-11:2011

HRN ISO 4190-1:2000 en
Ugradnja dizala – 1. dio: Dizala I., II., III. i VI. vrste (ISO 4190-1:1999)
Lift (US: Elevator) installation – Part 1: Class I, II, III i VI (ISO 4190-1:1999)
- zamijenjena s: HRN ISO 4190-1:2011

HZN/TO 179, Zidane konstrukcije

HRN EN 771-1:2005 en
Specifikacije za zidne elemente – 1. dio: Opečni zidni elementi (EN 771-1:2003+A1:2005)
Specification for masonry units – Part 1: Clay masonry units (EN 771-1:2003+A1:2005)
- zamijenjena s: HRN EN 771-1:2011

HRN EN 771-2:2005 en
Specifikacije za zidne elemente – 2. dio: Vapnenosilikatni zidni elementi (EN 771-2:2003+A1:2005)
Specification for masonry units – Part 2: Calcium silicate masonry units (EN 771-2:2003+A1:2005)
- zamijenjena s: HRN EN 771-2:2011

HRN EN 771-3:2005 en
Specifikacije za zidne elemente – 3. dio: Betonski zidni elementi (gusti i lagani agregat) (EN 771-3:2003+A1:2005)
Specification for masonry units – Part 3: Aggregate concrete masonry units (Dense and light-weight aggregates) (EN 771-3:2003+A1:2005)
- zamijenjena s: HRN EN 771-3:2011

HRN EN 771-4:2004 en
Specifikacije za zidne elemente – 4. dio: Zidni elementi od porastoga betona (EN 771-4:2003)
Specification for masonry units – Part 4: Autoclaved aerated concrete masonry units (EN 771-4:2003)
- zamijenjena s: HRN EN 771-4:2011

HRN EN 771-4:2004/A1:2005 en
Specifikacije za zidne elemente – 4. dio: Zidni elementi od porastoga betona (EN 771-4:2003/A1:2005)
Specification for masonry units – Part 4: Autoclaved aerated concrete masonry units (EN 771-4:2003/A1:2005)
- zamijenjena s: HRN EN 771-4:2011

HRN EN 771-5:2005 en
Specifikacije za zidne elemente – 5. dio: Zidni elementi od umjetnoga kamena (EN 771-5:2003+A1:2005)
Specification for masonry units – Part 5: Manufactured stone masonry units (EN 771-5:2003+A1:2005)
- zamijenjena s: HRN EN 771-5:2011

HRN EN 771-6:2006 en
Specifikacije za zidne elemente – 6. dio: Zidni elementi od prirodnog kamena (EN 771-6:2005)
Specification for masonry units – Part 6: Natural stone masonry units (EN 771-6:2005)
- zamijenjena s: HRN EN 771-6:2011

HRN EN 772-1:2003 en
Metode ispitivanja zidnih elemenata – 1. dio: Određivanje tlačne čvrstoće (EN 772-1:2000)
Methods of test for masonry units – Part 1: Determination of compressive strength (EN 772-1:2000)
- zamijenjena s: HRN EN 772-1:2011

HRN EN 772-11:2003 en
Metode ispitivanja zidnih elemenata – 11. dio:
Određivanje kapilarne vodoupojnosti zidnih elemenata od betona, umjetnog i prirodnog kamena i početne vodoupojnosti opečnih zidnih elemenata (EN 772-11:2000)
Methods of test for masonry units – Part 11:
Determination of water absorption of aggregate concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units (EN 772-11:2000)
- zamijenjena s: HRN EN 772-11:2011

HRN EN 772-11:2003/A1:2004 en
Metode ispitivanja zidnih elemenata – 11. dio:
Određivanje kapilarne vodoupojnosti zidnih elemenata od betona, porastoga betona, umjetnog i prirodnog kamena i početne vodoupojnosti opečnih zidnih elemenata (EN 772-11:2000/A1:2004)
Methods of test for masonry units – Part 11:
Determination of water absorption of aggregate concrete, autoclaved aerated concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units (EN 772-11:2000/A1:2004)
- zamijenjena s: HRN EN 772-11:2011

HRN EN 772-16:2003 en
Metode ispitivanja zidnih elemenata – 16. dio:
Određivanje izmjera (EN 772-16:2000)
Methods of test for masonry units – Part 16:
Determination of dimensions (EN 772-16:2000)
- zamijenjena s: HRN EN 772-16:2011

HRN EN 772-16:2003/A1:2006 en
Metode ispitivanja zidnih elemenata – 16. dio:
Određivanje izmjera (EN 772-16:2000/A1:2004)
Methods of test for masonry units – Part 16:
Determination of dimensions (EN 772-16:2000/A1:2004)
- zamijenjena s: HRN EN 772-16:2011

HRN EN 772-16:2003/A2:2006 en
Metode ispitivanja zidnih elemenata – 16. dio:
Određivanje izmjera (EN 772-16:2000/A2:2005)
Methods of test for masonry units – Part 16:
Determination of dimensions (EN 772-16:2000/A2:2005)
- zamijenjena s: HRN EN 772-16:2011

HRN EN 772-18:2003 en
Metode ispitivanja zidnih elemenata – 18. dio:
Određivanje otpornosti na zamrzavanje i odmrzavanje vapnenosilikatnih zidnih elemenata (EN 772-18:2000)
Methods of test for masonry units – Part 18:
Determination of freeze-thaw resistance of calcium silicate masonry units (EN 772-18:2000)
- zamijenjena s: HRN EN 772-18:2011

HZN/TO 211, Geoinformacije/Geomatika

HRI CEN/TR 15449:2008 en
Geoinformacije – Norme, specifikacije, tehnička izvješća i smjernice, potrebne za implementaciju infrastrukture prostornih podataka (CEN/TR 15449:2006)
Geographic information – Standards, specifications, technical reports and guidelines, required to implement spatial data infrastructure (CEN/TR 15449:2006)
- zamijenjena s: HRI CEN/TR 15449:2011

HZN/TO 503, Metalni materijali

HRN EN 10305-4:2008 en
Precizne čelične cijevi – Tehnički uvjeti isporuke – 4. dio: Bešavne hladno vučene cijevi za hidraulične i pneumatske energetske sustave (EN 10305-4:2003)

Steel tubes for precision applications – Technical delivery conditions – Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems (EN 10305-4:2003)
- zamijenjena s: HRN EN 10305-4:2011

HZN/TO 509, Cestovna oprema

HRN EN 1824:2000 en
Materijali za oznake na kolniku – Ispitna kola (EN 1824:1998)
Road marking materials – Road trails (EN 1824:1998)
- zamijenjena s: HRN EN 1824:2011

HRN EN 12802:2004 en
Materijali za oznake na kolniku – Laboratorijske metode za utvrđivanje svojstava (EN 12802:2000)
Road marking materials – Laboratory methods for identification (EN 12802:2000)
- zamijenjena s: HRN EN 12802:2011

HRN EN 13197:2004 en
Materijali za oznake na kolniku – Simulatori istrošenosti (EN 13197:2001)
Road marking materials – Wear simulator (EN 13197:2001)
- zamijenjena s: HRN EN 13197:2011

HRN EN 13212:2002 en
Materijali za oznake na kolniku – Zahtjevi za tvorničkom kontrolom proizvodnje (EN 13212:2001)
Road marking materials – Requirements for the factory production control (EN 13212:2001)
- zamijenjena s: HRN EN 13212:2011

HRN ENV 13459-1:2004 en
Materijali za oznake na cesti – Kontrola kvalitete – 1. dio: Uzimanje uzoraka iz skladišta i ispitivanje (ENV 13459-1:1999)
Road marking materials – Quality control – Part 1: Sampling from storage and testing (ENV 13459-1:1999)
- zamijenjena s: HRN EN 13459:2011

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 1501-1:2010 en
Vozila za skupljanje otpada i pripadne naprave za podizanje – Opći i sigurnosni zahtjevi – 1. dio: Vozila za skupljanje otpada sa stražnjim punjenjem (EN 1501-1:1998+A2:2009)
Refuse collection vehicles and their associated lifting devices – General requirements and safety requirements – Part 1: Rear-end loaded refuse collection vehicles (EN 1501-1:1998+A2:2009)
- zamijenjena s: HRN EN 1501-1:2011

HZN/TO 524, Cestovni prijevoz i prometna telematika

HRS CEN/TS 15722:2009 en
Cestovni prijevoz i prometna telematika – Elektronička sigurnost – Najmanji skup podataka za elektroničke hitne pozive iz vozila (MSD) (CEN/TS 15722:2009)
Road transport and traffic telematics – ESafety – ECall minimum set of data (MSD) (CEN/TS 15722:2009)
- zamijenjena s: HRN EN 15722:2011

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

HRN EN 544:2008 en
Bitumenske šindre s mineralnim i/ili sintetičkim ulošcima – Specifikacija proizvoda i metode ispitivanja (EN 544:2005)
Bitumen shingles with mineral and/or synthetic reinforcements – Product specification and test methods (EN 544:2005)
- zamijenjena s: HRN EN 544:2011

HZN/TO 528, Oprema za željeznice

- HRN EN 12561-1:2003 en
Oprema za željeznice – Vagoni cisterne – 1. dio: Označivanje vagon-cisterni za prijevoz opasnih tvari (EN 12561-1:1998)
Railway applications – Tank wagons – Part 1: Marking of tank wagons for the carriage of dangerous goods (EN 12561-1:1998)
- zamijenjena s: HRN EN 12561-1:2011
- HRN EN 12561-2:2004 en
Oprema za željeznice – Vagoni cisterne – 2. dio: Uređaji za donje pražnjenje tekućina uključivši povrat para (EN 12561-2:2002)
Railway applications – Tank wagons – Part 2: Bottom emptying devices for liquid products including vapour return (EN 12561-2:2002)
- zamijenjena s: HRN EN 12561-2:2011
- HRN EN 12561-3:2004 en
Oprema za željeznice – Vagoni cisterne – 3. dio: Donji uređaji za punjenje i pražnjenje za ukapljene plinove pod tlakom (EN 12561-3:2002)
Railway applications – Tank wagons – Part 3: Bottom filling and emptying devices for gases liquefied under pressure (EN 12561-3:2002)
- zamijenjena s: HRN EN 12561-3:2011
- HRN EN 12561-4:2004 en
Oprema za željeznice – Vagoni cisterne – 4. dio: Gornji uređaji za gornje pražnjenje i punjenje tekućina (EN 12561-4:2002)
Railway applications – Tank wagons – Part 4: Top devices for top emptying and filling of liquid products (EN 12561-4:2002)
- zamijenjena s: HRN EN 12561-4:2011
- HRN EN 12561-5:2004 en
Oprema za željeznice – Vagoni cisterne – 5. dio: Gornji uređaji za donje pražnjenje i gornje punjenje tekućina (EN 12561-5:2002)
Railway applications – Tank wagons – Part 5: Top devices for bottom emptying and top filling of liquid products (EN 12561-5:2002)
- zamijenjena s: HRN EN 12561-5:2011
- HRN EN 12561-6:2008 en
Oprema za željeznice – Vagoni cisterne – 6. dio: Provlake (EN 12561-6:2002)
Railway applications – Tank wagons – Part 6: Manholes (EN 12561-6:2002)
- zamijenjena s: HRN EN 12561-6:2011
- HRN EN 12561-7:2004 en
Oprema za željeznice – Vagoni cisterne – 7. dio: Platforme i ljestve (EN 12561-7:2004)
Railway applications – Tank wagons – Part 7: Platforms and ladders (EN 12561-7:2004)
- zamijenjena s: HRN EN 12561-7:2011
- HRN EN 12561-8:2004 en
Oprema za željeznice – Vagoni cisterne – 8. dio: Priklučci grijanja (EN 12561-8:2004)
Railway applications – Tank wagons – Part 8: Heating connections (EN 12561-8:2004)
- zamijenjena s: HRN EN 12561-8:2011

HZN/TO 531, Plastika i guma

- HRN ISO 4649:2008 en
Guma i elastoplastomeri – Određivanje abrazijske otpornosti uređajem s rotirajućim cilindričnim bubnjem (ISO 4649:2002)
Rubber, vulcanized or thermoplastic – Determination of abrasion resistance using a rotating cylindrical drum device (ISO 4649:2002)
- zamijenjena s: HRN ISO 4649:2011
- HRN ISO 23529:2008 en
Guma – Opći postupci pripreme i kondicioniranja ispitnih uzoraka za fizikalne ispitne metode (ISO 23529:2004)

Rubber – General procedures for preparing and conditioning test pieces for physical test methods (ISO 23529:2004)
- zamijenjena s: HRN ISO 23529:2011

- HRN ISO 23794:2008 en
Guma i elastoplastomeri – Abrazijska ispitivanja – Upute (ISO 23794:2003)
Rubber, vulcanized or thermoplastic – Abrasion testing – Guidance (ISO 23794:2003)
- zamijenjena s: HRN ISO 23794:2011

HZN/TO 532, Dimnjaci

- HRN EN 1858:2008 en
Dimnjaci – Dijelovi – Betonski blokovi dimnjaka (EN 1858:2008)
Chimneys – Components – Concrete flue blocks (EN 1858:2008)
- zamijenjena s: HRN EN 1858:2011
- HRN EN 12446:2003 en
Dimnjaci – Dijelovi – Elementi betonskog plašta (EN 12446:2003)
Chimneys – Components – Concrete outer wall elements (EN 12446:2003)
- zamijenjena s: HRN EN 12446:2011

HZN/TO 543, Poštanske usluge

- HRN EN 14142-1:2004 en
Poštanske usluge – Adresne baze podataka – 1. dio: Sastavni dijelovi poštanske adrese (EN 14142-1:2003)
Postal services – Address databases – Part 1: Components of postal addresses (EN 14142-1:2003)
- zamijenjena s: HRN EN 14142-1:2011

HZN/TO 548, Konstrukcijski eurokodovi

- HRN EN 1990:2008/Ispr.1:2011 en
Eurokod: Osnove projektiranja konstrukcija (EN 1990:2002/A1:2005/AC:2010)
Eurocode: Basis of structural design (EN 1990:2002/A1:2005/AC:2010)
- zamijenjena s: HRN EN 1990:2011

HZN/TO 554, Obrada otpadnih voda

- HRN EN 773:2005 en
Opći zahtjevi za dijelove koji se upotrebljavaju za cijevi te odvodne i kanalizacijske sustave pod hidrauličkim tlakom (EN 773:1999)
General requirements for components used in hydraulically pressurized discharge pipes, drains and sewers (EN 773:1999)
- zamijenjena s: HRN EN 476:2011
- HRN EN 1293:2008 en
Opći zahtjevi za sastavne dijelove u pneumatski tlačnim ispusnim cjevovodima, odvodima i kanalizaciji (EN 1293:1999)
General requirements for components used in pneumatically pressurized discharge pipes, drains and sewers (EN 1293:1999)
- zamijenjena s: HRN EN 476:2011
- HRN EN 13508-2:2006 en
Uvjeti za sustave odvodnje izvan zgrada – 2. dio: Sustav kodiranja optičkog nadzora (EN 13508-2:2003)
Conditions of drain and sewer systems outside buildings – Part 2: Visual inspection coding system (EN 13508-2:2003)
- zamijenjena s: HRN EN 13508-2:2011
- HRN EN 13508-2/AC:2007 en
Uvjeti za sustave odvodnje izvan zgrada – 2. dio: Sustav kodiranja optičkog nadzora (EN 13508-2:2003/AC:2007)

Conditions of drain and sewer systems outside buildings – Part 2: Visual inspection coding system (EN 13508-2:2003/AC:2007)
- zamijenjena s: HRN EN 13508-2:2011

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 593:2010 en
Industrijski zaporni uređaji – Metalne leptiraste zaklopke (EN 593:2009)
Industrial valves – Metallic butterfly valves (EN 593:2009)
- zamijenjena s: HRN EN 593:2011

HZN/TO 560, Tekstilni proizvodi

HRN ISO 2076:2003 en
Tekstil – Umjetna vlakna – Generički nazivi (ISO 2076:1999)
Textiles – Man-made fibres – Generic names (ISO 2076:1999)
- zamijenjena s: HRN ISO 2076:2011

HRN ISO 3932:2003 en
Tekstil – Tkanine – Mjerenje širine komada (ISO 3932:1976)
Textiles – Woven fabrics – Measurement of width of pieces (ISO 3932:1976)
- zamijenjena s: HRN ISO 22198:2011

HRN ISO 3933:2003 en
Tekstil – Tkanine – Mjerenje duljine komada (ISO 3933:1976)
Textiles – Woven fabrics – Measurement of length of pieces (ISO 3933:1976)
- zamijenjena s: HRN ISO 22198:2011

HRN ISO 7768:2005 en
Tekstil – Metoda ocjene izgleda tkanina obrađenih protiv gužvanja nakon pranja i sušenja u kućanstvu (ISO 7768:1985)
Textiles – Method for assessing the appearance of durable press fabrics after domestic washing and drying (ISO 7768:1985)
- zamijenjena s: HRN ISO 7768:2011

HRN ISO 7769:2005 en
Tekstil – Metoda ocjene izgleda nabora na proizvodima obrađenim protiv gužvanja nakon pranja i sušenja u kućanstvu (ISO 7769:1992)
Textiles – Method for assessing the appearance of creases in durable-press products after domestic washing and drying (ISO 7769:1992)
- zamijenjena s: HRN ISO 7769:2011

HRN ISO 7770:2005 en
Tekstil – Metoda ocjene izgleda šavova na proizvodima obrađenim protiv gužvanja nakon pranja i sušenja u kućanstvu (ISO 7770:1985)
Textiles – Method for assessing the appearance of seams in durable press products after domestic washing and drying (ISO 7770:1985)
- zamijenjena s: HRN ISO 7770:2011

HRN ISO 9867:2003 en
Tekstil – Procjena oporavka nabora na plošnom tekstu – Metoda izgleda (ISO 9867:1991)
Textiles – Evaluation of the wrinkle recovery of fabrics – Appearance method (ISO 9867:1991)
- zamijenjena s: HRN ISO 9867:2011

HRN EN ISO 14184-2:2008 en
Tekstilije – Određivanje formaldehida – 2. dio: Slobodni formaldehid (metoda apsorpcije parom) (ISO 14184-2:1998; EN ISO 14184-2:1998)
Textiles – Determination of formaldehyde – Part 2: Released formaldehyde (vapour absorption method) (ISO 14184-2:1998; EN ISO 14184-2:1998)
- zamijenjena s: HRN EN ISO 14184-2:2011

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

HRN EN 12953-6:2004 en
Dimnocijevni kotlovi – 6. dio: Zahtjevi za opremu kotla (EN 12953-6:2002)
Shell boilers – Part 6: Requirements for equipment for the boiler (EN 12953-6:2002)
- zamijenjena s: HRN EN 12953-6:2011

HZN/TO 563, Sigurnost strojeva

HRN EN 1010-1:2008 en
Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 1: Common requirements (EN 1010-1:2004)
- zamijenjena s: HRN EN 1010-1:2011

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

HRN EN ISO 3656:2004 en
Životinjske i biljne masti i ulja – Određivanje apsorbanca u ultraljubičastom spektru izraženih kao specifična UV ekstinkcija (ISO 3656:2002; EN ISO 3656:2002)
Animal and vegetable fats and oils – Determination of ultraviolet absorbance expressed as specific UV extinction (ISO 3656:2002; EN ISO 3656:2002)
- zamijenjena s: HRN EN ISO 3656:2011

HRN EN ISO 3961:2004 en
Životinjske i biljne masti i ulja – Određivanje jednog broja (ISO 3961:1996; EN ISO 3961:1999)
Animal and vegetable fats and oils – Determination of iodine value (ISO 3961:1996; EN ISO 3961:1999)
- zamijenjena s: HRN EN ISO 3961:2011

HRN EN ISO 17932:2007 en
Životinjske i biljne masti i ulja – Određivanje vrijednosti indeksa bijeljenja (ISO 17932:2005; EN ISO 17932:2007)
Animal and vegetable fats and oils – Determination of the deterioration of bleachability index (DOBI) (ISO 17932:2005; EN ISO 17932:2007)
- zamijenjena s: HRN EN ISO 17932:2011

HZN/TO E79, Alarmni sustavi

HRN CLC/TS 50131-2-2:2005 en
Alarmni sustavi – Protuprovalni sustavi – Dio 2-2: Zahtjevi za pasivne infracrvene detektore (CLC/TS 50131-2-2:2004)
Alarm systems – Intrusion systems – Part 2-2: Requirements for passive infrared detectors (CLC/TS 50131-2-2:2004)
- zamijenjena s: HRN EN 50131-2-2:2008

HRN CLC/TS 50131-2-3:2005 en
Alarmni sustavi – Protuprovalni sustavi – Dio 2-3: Zahtjevi za mikrovalne detektore (CLC/TS 50131-2-3:2004)
Alarm systems – Intrusion systems – Part 2-3: Requirements for microwave detectors (CLC/TS 50131-2-3:2004)
- zamijenjena s: HRN EN 50131-2-3:2010

HRN CLC/TS 50131-2-4:2005 en
Alarmni sustavi – Protuprovalni sustavi – Dio 2-4: Zahtjevi za kombinirane pasivne infracrvene i mikrovalne detektore (CLC/TS 50131-2-4:2004)
Alarm systems – Intrusion systems – Part 2-4: Requirements for combined passive infrared and microwave detectors (CLC/TS 50131-2-4:2004)
- zamijenjena s: HRN EN 50131-2-4:2008

HRN CLC/TS 50131-2-5:2005 en
Alarmni sustavi – Protuprovalni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore (CLC/TS 50131-2-5:2004)

Alarm systems – Intrusion systems – Part 2-5:
Requirements for combined passive infrared and
ultrasonic detectors (CLC/TS 50131-2-5:2004)
- zamijenjena s: HRN EN 50131-2-5:2010

HRN CLC/TS 50131-2-6:2005 en
Alarmni sustavi – Protuprovalni sustavi – Dio 2-6:
Zahtjevi za magnetske kontakte za detekciju otvaranja
(CLC/TS 50131-2-6:2004)
Alarm systems – Intrusion systems – Part 2-6:
Requirements for opening contacts (magnetic)
(CLC/TS 50131-2-6:2004)
- zamijenjena s: HRN EN 50131-2-6:2010

HRN CLC/TS 50131-7:2004 en
Alarmni sustavi – Protuprovalni sustavi – 7. Dio:
Smjernice za primjenu (CLC/TS 50131-7:2003)
Alarm systems – Intrusion systems – Part 7: Application
guidelines (CLC/TS 50131-7:2003)
- zamijenjena s: HRS CLC/TS 50131-7:2010

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

HRN EN 131-1:2008 en
Ladders – Part 1: Terms, types, functional sizes
(EN 131-1:2007)
- zamijenjena s: HRN EN 131-1:2011

HZN/TU I2, Strojarstvo 2

HRN EN 22858:2008 en
End-suction centrifugal pumps (rating 16 bar) –
Designation, nominal duty point and dimensions
(ISO 2858:1975; EN 22858:1993)
- zamijenjena s: HRN EN ISO 2858:2010

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

HRN EN 455-2:2010 en
Medical gloves for single use – Part 2: Requirements
and testing for physical properties (EN 455-2:2009)
- zamijenjena s: HRN EN 455-2:2011

HRN EN ISO 1797-1:2008 en
Dental rotary instruments – Shanks – Part 1: Shanks
made of metals (ISO 1797-1:1992+Amd 1:1997;
EN ISO 1797-1:1995+A1:1999)
- zamijenjena s: HRN EN ISO 1797-1:2011

HRN EN ISO 7494-1:2008 en
Dentistry – Dental units – Part 1: General requirements
and test methods (ISO 7494-1:2004;
EN ISO 7494-1:2005)
- zamijenjena s: HRN EN ISO 7494-1:2011

HRN EN ISO 9999:2008 en
Assistive products for persons with disability –
Classification and terminology (ISO 9999:2007;
EN ISO 9999:2007)
- zamijenjena s: HRN EN ISO 9999:2011

HRN EN ISO 10271:2008 en
Dental metallic materials – Corrosion test methods
(ISO 10271:2001+Cor 1:2005;
EN ISO 10271:2001+AC:2006)
- zamijenjena s: HRN EN ISO 10271:2011

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

HRN EN 4604-001:2008 en
Aerospace series – Cable, electrical, for signal
transmission – Part 001: Technical specification
(EN 4604-001:2006)
- zamijenjena s: HRN EN 4604-001:2011

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.17 Metrologija i mjerenje. Fizikalne pojave (Rječnici)

Međunarodna normizacija (ISO)

ISO 772:2011
Hydrometry – Vocabulary and symbols

01.040.29 Elektrotehnika (Rječnici)

Europska normizacija

EN 60034-16-1:2011
Rotating electrical machines – Part 16-1: Excitation systems for synchronous machines – Definitions (IEC 60034-16-1:2011)

01.040.31 Elektronika (Rječnici)

Međunarodna normizacija (IEC)

IEC/TS 61994-2:2011
Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 2: Piezoelectric and dielectric filters

IEC 61988-1:2011
Plasma display panels – Part 1: Terminology and letter symbols

01.040.85 Papirna tehnologija (Rječnici)

Međunarodna normizacija (ISO)

ISO 12625-1:2011
Tissue paper and tissue products – Part 1: General guidance on terms

01.040.91 Građevna gradiva i gradnja (Rječnici)

Europska normizacija

EN 12665:2011
Light and lighting – Basic terms and criteria for specifying lighting requirements

01.040.97 Kućna i poslovna oprema. Zabava. Šport (Rječnici)

Europska normizacija

EN 131-1:2007+A1:2011
Ladders – Part 1: Terms, types, functional sizes

01.070 Označivanje bojama

Međunarodna normizacija (ISO)

ISO 7010:2011
Graphical symbols – Safety colours and safety signs – Registered safety signs

Europska normizacija

EN 1089-3:2011
Transportable gas cylinders – Gas cylinder identification (excluding LPG) – Part 3: Colour coding

01.080.10 Znakovi za javne obavijesti

Međunarodna normizacija (ISO)

ISO 7010:2011
Graphical symbols – Safety colours and safety signs – Registered safety signs

ISO 2575:2010/Amd 1:2011
Road vehicles – Symbols for controls, indicators and tell-tales

Međunarodna normizacija (IEC)

IEC 80416-3:2002/am1:2011
Basic principles for graphical symbols for use on equipment – Part 3: Guidelines for the application of graphical symbols

01.100.20 Građevni crteži

Međunarodna normizacija (ISO)

ISO 8015:2011
Geometrical product specifications (GPS) – Fundamentals – Concepts, principles and rules

Europska normizacija

EN ISO 8015:2011
Geometrical product specifications (GPS) – Fundamentals – Concepts, principles and rules (ISO 8015:2011)

01.100.25 Crteži u elektrotehnici i elektronici

Međunarodna normizacija (IEC)

IEC 60191-6-12:2011
Mechanical standardization of semiconductor devices – Part 6-12: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guidelines for fine-pitch lan

Europska normizacija

EN 61837-2:2011
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures (IEC 61837-2:2011)

01.120 Normizacija. Opća pravila

Europska normizacija

CEN/CENELEC Guide 20:2011
Guide on membership criteria of CEN and CENELEC

03.100.01 Ustrojstvo poduzeća i upravljanje poduzećem općenito

Međunarodna normizacija (ISO)

ISO/TR 22312:2011
Societal security – Technological capabilities

03.100.10 Nabava. Opskrba. Upravljanje zalihama

Međunarodna normizacija (ISO)

ISO 28002:2011
Security management systems for the supply chain – Development of resilience in the supply chain – Requirements with guidance for use

03.100.30 Upravljanje ljudskim vrelima

Međunarodna normizacija (ISO)

ISO/IEC 19788-2:2011
Information technology – Learning, education and training – Metadata for learning resources – Part 2: Dublin Core elements

03.120.20 Potvrđivanje proizvoda i tvrtki. Procjena sukladnosti

Europska normizacija

EN 9101:2011
Quality Management Systems – Audit Requirements for Aviation, Space, and Defence Organizations

03.120.30 Primjena statističkih metoda

Međunarodna normizacija (ISO)

ISO 2859-1:1999/Amd 1:2011
Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

ISO 7870-4:2011
Control charts – Part 4: Cumulative sum charts

ISO/TR 12888:2011
Selected illustrations of gauge repeatability and reproducibility studies

03.220.01 Prijevoz općenito

Međunarodna normizacija (ISO)

ISO 14825:2011
Intelligent transport systems – Geographic Data Files (GDF) – GDF5.0

ISO 29282:2011
Intelligent transport systems – Communications access for land mobiles (CALM) – Satellite networks

Europska normizacija

EN ISO 14825:2011
Intelligent transport systems – Geographic Data Files (GDF) – GDF5.0 (ISO 14825:2011)

03.220.20 Cestovni prijevoz

Europska normizacija

EN 15722:2011
Intelligent transport systems – eSafety – eCall minimum set of data (MSD)

03.220.30 Željeznički prijevoz

Međunarodna normizacija (IEC)

IEC 62290-2:2011
Railway applications – Urban guided transport management and command/control systems – Part 2: Functional requirements specification

07.060 Geologija. Meteorologija. Hidrologija

Europska normizacija

EN 50536:2011/AC:2011
Protection against lightning – Thunderstorm warning systems

07.100.30 Mikrobiologija hrane

Međunarodna normizacija (ISO)

ISO 22118:2011
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection and quantification of food-borne pathogens – Performance characteristics

ISO 22119:2011
Microbiology of food and animal feeding stuffs – Real-time polymerase chain reaction (PCR) for the detection of food-borne pathogens – General requirements and definitions

Europska normizacija

EN ISO 22118:2011
Microbiology of food and animal feeding stuffs – Polymerase chain reaction (PCR) for the detection and quantification of food-borne pathogens – Performance characteristics (ISO 22118:2011)

EN ISO 22119:2011
Microbiology of food and animal feeding stuffs – Real-time polymerase chain reaction (PCR) for the detection of food-borne pathogens – General requirements and definitions (ISO 22119:2011)

11.040.25 Injekcioni uređaji. Igle. Kateteri

Međunarodna normizacija (ISO)

ISO 23908:2011
Sharps injury protection – Requirements and test methods – Sharps protection features for single-use hypodermic needles, introducers for catheters and needles used for blood sampling

Europska normizacija

EN ISO 23908:2011
Sharps injury protection – Requirements and test methods – Sharps protection features for single-use hypodermic needles, introducers for catheters and needles used for blood sampling (ISO 23908:2011)

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Međunarodna normizacija (ISO)

ISO 7207-2:2011
Implants for surgery – Components for partial and total knee joint prostheses – Part 2: Articulating surfaces made of metal, ceramic and plastics materials

11.040.50 Radiografska i druga dijagnostička oprema

Međunarodna normizacija (IEC)

IEC 60601-2-54:2009/Corr.2:2011
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/Corr.1:2011
Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy

11.040.60 Terapeutska oprema

Međunarodna normizacija (IEC)

IEC 60601-2-31:2008/am1:2011

Medical electrical equipment – Part 2-31: Particular requirements for the basic safety and essential performance of external cardiac pacemakers with internal power source

11.040.99 Druga medicinska oprema

Europska normizacija

EN ISO 23908:2011

Sharps injury protection – Requirements and test methods – Sharps protection features for single-use hypodermic needles, introducers for catheters and needles used for blood sampling (ISO 23908:2011)

11.060.10 Zubarska gradiva

Međunarodna normizacija (ISO)

ISO 10271:2011

Dentistry – Corrosion test methods for metallic materials

ISO 15912:2006/Amd 1:2011

Dentistry – Casting investments and refractory die materials – Amendment 1: Requirement and test method for adequacy of expansion of Type 1 and Type 2 materials

ISO/TR 28642:2011

Dentistry – Guidance on colour measurement

Europska normizacija

EN ISO 15912:2006/A1:2011

Dentistry – Casting investments and refractory die materials – Amendment 1: Requirement and test method for adequacy of expansion of Type 1 and Type 2 materials (ISO 15912:2006/Amd 1:2011)

11.060.20 Zubarska oprema

Međunarodna normizacija (ISO)

ISO 6875:2011

Dentistry – Patient chair

Europska normizacija

EN ISO 6875:2011

Dentistry – Patient chair (ISO 6875:2011)

11.060.25 Zubarski instrumenti

Međunarodna normizacija (ISO)

ISO 7711-2:2011

Dentistry – Rotary diamond instruments – Part 2: Discs

Europska normizacija

EN ISO 7711-2:2011

Dentistry – Rotary diamond instruments – Part 2: Discs (ISO 7711-2:2011)

11.080.01 Sterilizacija i dezinfekcija općenito

Europska normizacija

EN ISO 25424:2011

Sterilization of medical devices – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices (ISO 25424:2009)

11.080.20 Dezinfektanti i antiseptici

Međunarodna normizacija (ISO)

ISO 14160:2011

Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives – Requirements for characterization, development, validation and routine control of a sterilization process for medical devices

Europska normizacija

EN ISO 14160:2011

Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives – Requirements for characterization, development, validation and routine control of a sterilization process for medical devices (ISO 14160:2011)

11.100.20 Biološka ocjena medicinskih uređaja

Međunarodna normizacija (ISO)

ISO 14155:2011/Cor 1:2011

Clinical investigation of medical devices for human subjects – Good clinical practice; Technical Corrigendum 1

Europska normizacija

EN ISO 14155:2011/AC:2011

Clinical investigation of medical devices for human subjects – Good clinical practice – Technical Corrigendum 1 (ISO 14155:2011/Cor 1:2011)

11.180.01 Pomoć za invalidne i hendikepirane osobe općenito

Međunarodna normizacija (ISO)

ISO 9999:2011

Assistive products for persons with disability – Classification and terminology

Europska normizacija

EN ISO 9999:2011

Assistive products for persons with disability – Classification and terminology (ISO 9999:2011)

11.180.99 Druge norme povezane s pomoći za invalidne i hendikepirane osobe

Međunarodna normizacija (ISO)

ISO 11156:2011

Packaging – Accessible design – General

11.200 Nadzor nad rađanjem. Mehanička kontracepcijska sredstva

Međunarodna normizacija (ISO)

- ISO 7439:2011
Copper-bearing contraceptive intrauterine devices – Requirements and tests
- ISO 25841:2011
Female condoms – Requirements and test methods
- ISO 29942:2011
Prophylactic dams – Requirements and test methods

Europska normizacija

- EN ISO 7439:2011
Copper-bearing contraceptive intrauterine devices – Requirements and tests (ISO 7439:2011)

13.020.10 Upravljanje okolišem

Međunarodna normizacija (ISO)

- ISO 14006:2011
Environmental management systems – Guidelines for incorporating ecodesign

Europska normizacija

- EN ISO 14006:2011
Environmental management systems – Guidelines for incorporating ecodesign (ISO 14006:2011)

13.030.99 Druge norme koje se odnose na otpad

Europska normizacija

- CEN/TR 16184:2011
Characterization of Waste – State-of-the-art document – Analysis of eluates

13.040.20 Kakvoća zraka u okolišu

Međunarodna normizacija (ISO)

- ISO 16000-18:2011
Indoor air – Part 18: Detection and enumeration of moulds – Sampling by impaction
- ISO 16000-25:2011
Indoor air – Part 25: Determination of the emission of semi-volatile organic compounds by building products – Micro-chamber method

13.060.50 Ispitivanje voda na kemijske tvari

Međunarodna normizacija (ISO)

- ISO 11206:2011
Water quality – Determination of dissolved bromate – Method using ion chromatography (IC) and post column reaction (PCR)
- ISO 28540:2011
Water quality – Determination of 16 polycyclic aromatic hydrocarbons (PAH) in water – Method using gas chromatography with mass spectrometric detection (GC-MS)

13.080.01 Kakvoća tla i pedologija općenito

Europska normizacija

- EN ISO 16133:2011
Soil quality – Guidance on the establishment and maintenance of monitoring programmes (ISO 16133:2004)
- EN ISO 17402:2011
Soil quality – Requirements and guidance for the selection and application of methods for the assessment of bioavailability of contaminants in soil and soil materials (ISO 17402:2008)

13.080.10 Kemijske značajke tla

Europska normizacija

- EN ISO 11260:2011
Soil quality – Determination of effective cation exchange capacity and base saturation level using barium chloride solution (ISO 11260:1994+Cor 1:1996)
- EN ISO 14254:2011
Soil quality – Determination of exchangeable acidity in barium chloride extracts (ISO 14254:2001)
- EN ISO 16703:2011
Soil quality – Determination of content of hydrocarbon in the range C10 to C40 by gas chromatography (ISO 16703:2004)

13.080.30 Biologijska svojstva tla

Europska normizacija

- EN ISO 14240-1:2011
Soil quality – Determination of soil microbial biomass – Part 1: Substrate-induced respiration method (ISO 14240-1:1997)
- EN ISO 14240-2:2011
Soil quality – Determination of soil microbial biomass – Part 2: Fumigation-extraction method (ISO 14240-2:1997)
- EN ISO 15952:2011
Soil quality – Effects of pollutants on juvenile land snails (Helicidae) – Determination of the effects on growth by soil contamination (ISO 15952:2006)
- EN ISO 16072:2011
Soil quality – Laboratory methods for determination of microbial soil respiration (ISO 16072:2002)

13.080.40 Hidrologijska svojstva tla

Europska normizacija

- EN ISO 15175:2011
Soil quality – Characterization of soil related to groundwater protection (ISO 15175:2004)

13.180 Ergonomija

Međunarodna normizacija (ISO)

- ISO 9241-420:2011
Ergonomics of human-system interaction – Part 420: Selection of physical input devices
- ISO 9241-910:2011
Ergonomics of human-system interaction – Part 910: Framework for tactile and haptic interaction

Europska normizacija

- EN ISO 9241-420:2011
Ergonomics of human-system interaction – Part 420:
Selection of physical input devices
(ISO 9241-420:2011)
- EN ISO 9241-910:2011
Ergonomics of human-system interaction – Part 910:
Framework for tactile and haptic interaction
(ISO 9241-910:2011)

13.220.20 Oprema za zaštitu od požara

Međunarodna normizacija (ISO)

- ISO 7240-6:2011
Fire detection and alarm systems – Part 6: Carbon
monoxide fire detectors using electro-chemical cells
- ISO 7240-11:2011
Fire detection and alarm systems – Part 11: Manual
call points
- ISO 21927-10:2011
Smoke and heat control systems – Part 10: Specification
for power output devices

13.230 Zaštita od eksplozija

Europska normizacija

- EN 1127-1:2011
Explosive atmospheres – Explosion prevention
and protection – Part 1: Basic concepts and
methodology
- EN 13463-5:2011
Non-electrical equipment intended for use in
potentially explosive atmospheres – Part 5: Protection
by constructional safety 'c'
- EN 16009:2011
Flameless explosion venting devices

13.280 Zaštita od zračenja

Međunarodna normizacija (IEC)

- IEC 60825-4ed2.2:2011
Safety of laser products – Part 4: Laser guards

13.300 Zaštita od opasnih tvari

Europska normizacija

- EN 12561-1:2011
Railway applications – Tank wagons – Part 1:
Identification plates for tank wagons for the carriage
of dangerous goods
- EN 12561-2:2011
Railway applications – Tank wagons – Part 2: Bottom
emptying devices for liquid products including vapour
return
- EN 12561-3:2011
Railway applications – Tank wagons – Part 3: Bottom
filling and emptying devices for gases liquefied under
pressure
- EN 12561-4:2011
Railway applications – Tank wagons – Part 4: Devices
for top filling and emptying of liquid products
- EN 12561-5:2011
Railway applications – Tank wagons – Part 5: Devices
for vapour return while filling or emptying of liquid
products
- EN 12561-6:2011
Railway applications – Tank wagons – Part 6:
Manholes

13.310 Zaštita od kriminala

Europska normizacija

- EN 1300:2004+A1:2011
Secure storage units – Classification for high security
locks according to their resistance to unauthorized
opening

13.320 Alarmni sustavi i sustavi uzbunjivanja

Europska normizacija

- EN 50130-4:2011
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
- EN 50130-5:2011
Alarm systems – Part 5: Environmental test methods

13.340.10 Zaštitna odjeća

Međunarodna normizacija (ISO)

- ISO 22488:2011
Ships and marine technology – Shipboard fire-fighters'
outfits (protective clothing, gloves, boots and helmet)

13.340.99 Drugi zaštitni uređaji

Europska normizacija

- EN 341:2011
Personal fall protection equipment – Descender
devices for rescue

17.040.30 Mjerila

Međunarodna normizacija (ISO)

- ISO 10360-7:2011
Geometrical product specifications (GPS) – Acceptance
and reverification tests for coordinate measuring
machines (CMM) – Part 7: CMMs equipped with
imaging probing systems
- ISO 16610-21:2011
Geometrical product specifications (GPS) – Filtration
– Part 21: Linear profile filters: Gaussian filters
- ISO 13385-1:2011
Geometrical product specifications (GPS) – Dimensional
measuring equipment – Part 1: Callipers; Design and
metrological characteristics
- ISO 13385-2:2011
Geometrical product specifications (GPS) – Dimensional
measuring equipment – Part 2: Calliper depth gauges;
Design and metrological characteristics

Europska normizacija

- EN ISO 10360-7:2011
Geometrical product specifications (GPS) – Acceptance
and reverification tests for coordinate measuring
machines (CMM) – Part 7: CMMs equipped with
imaging probing systems (ISO 10360-7:2011)
- EN ISO 13385-1:2011
Geometrical product specifications (GPS) – Dimensional
measuring equipment – Part 1: Callipers; Design and
metrological characteristics (ISO 13385-1:2011)
- EN ISO 13385-2:2011
Geometrical product specifications (GPS) – Dimensional
measuring equipment – Part 2: Calliper depth gauges;
Design and metrological characteristics
(ISO 13385-2:2011)

17.120.20 Protok u otvorenim kanalima

Međunarodna normizacija (ISO)

ISO 772:2011
Hydrometry – Vocabulary and symbols

17.140.20 Buka koju proizvode strojevi i oprema

Međunarodna normizacija (ISO)

ISO 10302-2:2011
Acoustics – Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 2: Structure-borne vibration measurements

17.140.50 Elektroakustika

Međunarodna normizacija (IEC)

IEC 60268-16:2011
Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index

17.160 Vibracije, udari i mjerenja vibracija

Međunarodna normizacija (ISO)

ISO 7626-1:2011
Mechanical vibration and shock – Experimental determination of mechanical mobility – Part 1: Basic terms and definitions, and transducer specifications

17.180.30 Optička mjerila

Europska normizacija

EN 62129-2:2011
Calibration of wavelength/optical frequency measurement instruments – Part 2: Michelson interferometer single wavelength meters (IEC 62129-2:2011)

17.220.20 Mjerenje električnih i magnetskih veličina

Međunarodna normizacija (IEC)

IEC 61557-13:2011
Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 13: Hand-held and hand-manipulated current clamps and sensors for measurement of leakage currents in electrical distribution systems

IEC 61869-3:2011
Instrument transformers – Part 3: Additional requirements for inductive voltage transformers

IEC 61869-5:2011
Instrument transformers – Part 5: Additional requirements for capacitor voltage transformers

17.240 Mjerenje zračenja

Međunarodna normizacija (ISO)

ISO 20785-2:2011
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 2: Characterization of instrument response

Europska normizacija

EN 62244:2011
Radiation protection instrumentation – Installed radiation monitors for the detection of radioactive and special nuclear materials at national borders (IEC 62244:2006, modified)

EN 62327:2011
Radiation protection instrumentation – Hand-held instruments for the detection and identification of radionuclides and for the indication of ambient dose equivalent rate from photon radiation (IEC 62327:2006, modified)

EN 62363:2011
Radiation protection instrumentation – Portable photon contamination meters and monitors (IEC 62363:2008, modified)

21.060.10 Svornjaci, vijci, usadni vijci

Međunarodna normizacija (ISO)

ISO 1207:2011
Slotted cheese head screws – Product grade A

ISO 1479:2011
Hexagon head tapping screws

ISO 1481:2011
Slotted pan head tapping screws
ISO 1482:2011
Slotted countersunk (flat) head tapping screws

ISO 1483:2011
Slotted raised countersunk (oval) head tapping screws

ISO 7049:2011
Cross-recessed pan head tapping screws

ISO 7050:2011
Cross-recessed countersunk (flat) head tapping screws

ISO 7051:2011
Cross-recessed raised countersunk (oval) head tapping screws

ISO 7053:2011
Hexagon washer head tapping screws

23.020.30 Tlačne posude, cilindrični plinski spremnici

Europska normizacija

EN 1089-3:2011
Transportable gas cylinders – Gas cylinder identification (excluding LPG) – Part 3: Colour coding

CEN/TR 13445-9:2011
Unfired pressure vessels – Part 9: Conformance of the EN 13445 series to ISO 16528

23.040.01 Cjevovodne sastavnice i cjevovodi općenito

Europska normizacija

EN 13480-5:2002/A1:2011
Metallic industrial piping – Part 5: Inspection and testing

EN 13480-8:2007/A1:2011
Metallic industrial piping – Part 8: Additional requirements for aluminium and aluminium alloy piping

23.040.60 Prirubnice, spojke i druge cijevne veze

Međunarodna normizacija (ISO)

ISO 7005-1:2011

Pipe flanges – Part 1: Steel flanges for industrial and general service piping systems

23.120 Ventilatori. Klimatizacijski uređaji

Međunarodna normizacija (ISO)

ISO 10302-2:2011

Acoustics – Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 2: Structure-borne vibration measurements

ISO 13253:2011

Ducted air-conditioners and air-to-air heat pumps – Testing and rating for performance

25.040.30 Industrijski roboti. Manipulatori

Međunarodna normizacija (ISO)

ISO 10218-1:2011

Robots and robotic devices – Safety requirements for industrial robots – Part 1: Robots

ISO 10218-2:2011

Robots and robotic devices – Safety requirements for industrial robots – Part 2: Robot systems and integration

Europska normizacija

EN ISO 10218-1:2011

Robots and robotic devices – Safety requirements for industrial robots – Part 1: Robots (ISO 10218-1:2011)

EN ISO 10218-2:2011

Robots and robotic devices – Safety requirements for industrial robots – Part 2: Robot systems and integration (ISO 10218-2:2011)

25.100.20 Alati za glodanje

Međunarodna normizacija (ISO)

ISO 1641-2:2011

End mills and slot drills – Part 2: Dimensions and designation of milling cutters with Morse taper shanks

ISO 1641-3:2011

End mills and slot drills – Part 3: Dimensions and designation of milling cutters with 7/24 taper shanks

25.140.20 Električni alati

Europska normizacija

EN 60745-2-22:2011

Hand-held motor-operated electric tools – Safety – Part 2-22: Particular requirements for cut-off machines (IEC 60745-2-22:2011, modified)

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Europska normizacija

EN 287-1:2011

Qualification test of welders – Fusion welding – Part 1: Steels

25.160.20 Potrošna gradiva za zavarivanje

Međunarodna normizacija (ISO)

ISO 14372:2011

Welding consumables – Determination of moisture resistance of manual metal arc welding electrodes by measurement of diffusible hydrogen

Europska normizacija

EN ISO 14372:2011

Welding consumables – Determination of moisture resistance of manual metal arc welding electrodes by measurement of diffusible hydrogen (ISO 14372:2011)

25.160.30 Oprema za zavarivanje

Međunarodna normizacija (IEC)

IEC 60974-10:2007/Corr.1:2011

Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

25.160.50 Tvrdo i meko lemljenje

Međunarodna normizacija (IEC)

IEC/PAS 62647-1:2011

Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 1: Lead-free management

IEC/PAS 62647-2:2011

Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 2: Mitigation of the deleterious effects of tin

IEC/PAS 62647-21:2011

Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 21: Program management – Systems engineering guidelines for managing the transition to lead-free electronics

IEC/PAS 62647-22:2011

Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 22: Technical guidelines

IEC/PAS 62647-23:2011

Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 23: Rework and repair guidance to address the implications of lead-free electronics and mixed assemblies

25.220.40 Prevlačenje kovinama

Međunarodna normizacija (ISO)

ISO 6158:2011

Metallic and other inorganic coatings – Electrodeposited coatings of chromium for engineering purposes

Europska normizacija

EN 10244-1:2009/AC:2011

Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 1: General principles

EN ISO 6158:2011

Metallic and other inorganic coatings – Electrodeposited coatings of chromium for engineering purposes (ISO 6158:2011)

25.220.60 Organsko premazivanje

Europska normizacija

- EN 13523-11:2011
Coil coated metals – Test methods – Part 11:
Resistance to solvents (rubbing test)
- EN 13523-19:2011
Coil coated metals – Test methods – Part 19: Panel
design and method of atmospheric exposure testing

27.010 Tehnika prijenosa energije i topline općenito

Međunarodna normizacija (ISO)

- ISO 50001:2011
Energy management systems – Requirements with
guidance for use

27.080 Toplinske pumpe

Međunarodna normizacija (ISO)

- ISO 13253:2011
Ducted air-conditioners and air-to-air heat pumps –
Testing and rating for performance

27.120.30 Fisijska gradiva

Međunarodna normizacija (ISO)

- ISO 11311:2011
Nuclear criticality safety – Critical values for
homogeneous plutonium-uranium oxide fuel mixtures
outside of reactors
- ISO 27468:2011
Nuclear criticality safety – Evaluation of systems
containing PWR UOX fuels – Bounding burnup credit
approach

27.160 Sunčeva energija

Međunarodna normizacija (IEC)

- IEC 62109-2:2011
Safety of power converters for use in photovoltaic
power systems – Part 2: Particular requirements for
inverters

Europska normizacija

- EN 50548:2011
Junction boxes for photovoltaic modules

29.020 Elektrotehnika općenito

Međunarodna normizacija (IEC)

- IEC 80416-3:2002/am1:2011
Basic principles for graphical symbols for use on
equipment – Part 3: Guidelines for the application of
graphical symbols

29.035.01 Izolacijska gradiva općenito

Europska normizacija

- EN 62631-1:2011
Dielectric and resistive properties of solid insulating
materials – Part 1: General (IEC 62631-1:2011)

29.035.20 Plastična i gumena izolacijska gradiva

Međunarodna normizacija (IEC)

- IEC 60684-3-205:2011
Flexible insulating sleeving – Part 3: Specifications
for individual types of sleeving – Sheet 205: Heat-
shrinkable chlorinated polyolefin sleeving, flame
retarded, nominal shrink ratio 1,7:1 and 2:1
- IEC 60684-3-247:2011
Flexible insulating sleeving – Part 3: Specifications
for individual types of sleeving – Sheet 247: Heat-
shrinkable, polyolefin sleeving, dual wall, not flame
retarded, thick and medium wall
- IEC 60684-3-271:2011
Flexible insulating sleeving – Part 3: Specifications
for individual types of sleeving – Sheet 271: Heat-
shrinkable elastomer sleeveings, flame retarded, fluid
resistant, shrink ratio 2:1
- IEC 60674-3-8:2011
Plastic films for electrical purposes – Part 3:
Specifications for individual materials – Sheet 8:
Balanced biaxially oriented polyethylene naphthalate
(PEN) films used for electrical insulation

Europska normizacija

- EN 60893-3-2:2004/A1:2011
Insulating materials – Industrial rigid laminated sheets
based on thermosetting resins for electrical purposes
– Part 3-2: Specifications for individual materials –
Requirements for rigid laminated sheets based on
epoxy resins (IEC 60893-3-2:2003/A1:2011)

29.050 Električno vodljiva gradiva

Međunarodna normizacija (IEC)

- IEC 61788-4:2011
Superconductivity – Part 4: Residual resistance ratio
measurement – Residual resistance ratio of Nb-Ti
composite superconductors
- IEC 61788-6:2011
Superconductivity – Part 6: Mechanical properties
measurement – Room temperature tensile test of
Cu/Nb-Ti composite superconductors
- IEC 61788-11:2011
Superconductivity – Part 11: Residual resistance ratio
measurement – Residual resistance ratio of Nb3Sn
composite superconductors

29.060.10 Žice

Međunarodna normizacija (IEC)

- IEC 60851-5:2008/am1:2011
Methods of test for winding wires – Part 5: Electrical
properties

29.080.10 Izolatori

Međunarodna normizacija (IEC)

- IEC 62621:2011
Railway applications – Fixed installations – Electric
traction – Specific requirements for composite
insulators used for overhead contact line systems

29.080.30 Izolacijski sustavi

Međunarodna normizacija (IEC)

- IEC 60505:2011
Evaluation and qualification of electrical insulation
systems

29.120.10 Zaštitne cijevi za električne potrebe

Međunarodna normizacija (IEC)

- IEC 60670-1ed1.1:2011
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements

Europska normizacija

- EN 50548:2011
Junction boxes for photovoltaic modules

29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

Europska normizacija

- EN 60127-1:2006/A1:2011
Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links (IEC 60127-1:2006/am1:2011)

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Međunarodna normizacija (IEC)

- IEC 62271-1:2007/am1:2011
High-voltage switchgear and controlgear – Part 1: Common specifications
- IEC 62271-103:2011
High-voltage switchgear and controlgear – Part 103: Switches for rated voltages above 1 kV up to and including 52 kV
- IEC 62271-204:2011
High-voltage switchgear and controlgear – Part 204: Rigid gas-insulated transmission lines for rated voltage above 52 kV

29.140.10 Kape i držači svjetiljki

Međunarodna normizacija (IEC)

- IEC 60238 Edition 8.2:2011
Edison screw lampholders
- IEC 60838-1 Edition 4.2:2011
Miscellaneous lampholders – Part 1: General requirements and tests
- IEC 60061-1:2005/am45:2011
Amendment 45 – Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps
- IEC 60061-1:2005/am46:2011
Amendment 46 – Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps
- IEC 60061-2:2005/am42:2011
Amendment 42 – Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders
- IEC 60061-2:2005/am43:2011
Amendment 43 – Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders
- IEC 60061-3:2005/am43:2011
Amendment 43 – Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges
- IEC 61184 Edition 3.1:2011
Bayonet lampholders

Europska normizacija

- EN 60400:2008/A1:2011
Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2008/am1:2011)
- EN 61184:2008/A1:2011
Bayonet lampholders (IEC 61184:2008/am1:2011)

29.140.20 Svjetiljke sa žarnom niti

Europska normizacija

- EN 61341:2011
Method of measurement of centre beam intensity and beam angle(s) of reflector lamps (IEC/TR 61341:2010)

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Međunarodna normizacija (IEC)

- IEC 62386-209:2011
Digital addressable lighting interface – Part 209: Particular requirements for control gear – Colour control (device type 8)
- IEC 61199:2011
Single-capped fluorescent lamps – Safety specifications

Europska normizacija

- EN 62386-210:2011
Digital addressable lighting interface – Part 210: Particular requirements for control gear – Sequencer (device type 9) (IEC 62386-210:2011)

29.140.40 Rasvjetna tijela

Međunarodna normizacija (IEC)

- IEC/PAS 62722-1:2011
Luminaire performance – Part 1: General requirements
- IEC/PAS 62722-2-1:2011
Luminaire performance – Part 2-1: Particular requirements for LED luminaires

29.140.50 Rasvjetni instalacijski sustavi

Europska normizacija

- EN 61534-1:2011
Powertrack systems – Part 1: General requirements

29.140.99 Druge norme koje se odnose na svjetiljke

Europska normizacija

- EN 60929:2011
AC and/or DC-supplied electronic control gear for tubular fluorescent lamps – Performance requirements (IEC 60929:2011)
- EN 61347-2-3:2011
Lamp control gear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps (IEC 61347-2-3:2011)

29.160.01 Rotacijski strojevi općenito

Europska normizacija

EN 60034-16-1:2011
Rotating electrical machines – Part 16-1: Excitation systems for synchronous machines – Definitions (IEC 60034-16-1:2011)

29.160.40 Električni agregati

Europska normizacija

EN 62040-3:2011
Uninterruptible power systems (UPS) – Part 3: Method of specifying the performance and test requirements (IEC 62040-3:2011)

29.180 Transformatori. Prigušnice

Međunarodna normizacija (IEC)

IEC 61378-1:2011
Converter transformers – Part 1: Transformers for industrial applications
IEC 61869-3:2011
Instrument transformers – Part 3: Additional requirements for inductive voltage transformers
IEC 61869-5:2011
Instrument transformers – Part 5: Additional requirements for capacitor voltage transformers

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Međunarodna normizacija (IEC)

IEC 61204-3:2011
Low voltage power supplies, d.c. output – Part 3: Electromagnetic compatibility (EMC)
IEC 62109-2:2011
Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters

29.220.30 Alkalni sekundarni članci i baterije

Međunarodna normizacija (IEC)

IEC 61960:2011
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications

Europska normizacija

EN 61951-2:2011
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 2: Nickel-metal hydride (IEC 61951-2:2011)

29.260.20 Električni uređaji za eksplozivnu atmosferu

Međunarodna normizacija (IEC)

IEC 60079-0:2011
Explosive atmospheres – Part 0: Equipment – General requirements
IEC 60079-11:2011
Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”

IECEx 05A:2011

IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEx System) – Guidance and Instructions for Applicants to obtain a Certificate of Personnel Competence (CoPC)

Europska normizacija

EN ISO/IEC 80079-34:2011
Explosive atmospheres – Part 34: Application of quality systems for equipment manufacture (ISO/IEC 80079-34:2011, modified)

29.280 Oprema za električnu vuču

Međunarodna normizacija (IEC)

IEC 62621:2011
Railway applications – Fixed installations – Electric traction – Specific requirements for composite insulators used for overhead contact line systems

Europska normizacija

EN 50122-1:2011/A1:2011
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock

31.020 Elektroničke sastavnice općenito

Međunarodna normizacija (IEC)

IEC 61709:2011
Electric components – Reliability – Reference conditions for failure rates and stress models for conversion
IEC/PAS 62647-1:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 1: Lead-free management
IEC/PAS 62647-2:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 2: Mitigation of the deleterious effects of tin
IEC/PAS 62647-21:20
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 21: Program management – Systems engineering guidelines for managing the transition to lead-free electronics
IEC/PAS 62647-22:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 22: Technical guidelines
IEC/PAS 62647-23:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 23: Rework and repair guidance to address the implications of lead-free electronics and mixed assemblies

31.040.10 Nepromjenjivi otpornici

Europska normizacija

EN 140401-804:2011
Detail Specification: Fixed low power film high stability SMD resistors – Rectangular – Stability classes 0,1;0,25

31.080.01 Poluvodički uređaji općenito

Međunarodna normizacija (IEC)

- IEC 60749-7:2011
Semiconductor devices – Mechanical and climatic test methods – Part 7: Internal moisture content measurement and the analysis of other residual gases
- IEC 62047-7:2011
Semiconductor devices – Micro-electromechanical devices – Part 7: MEMS BAW filter and duplexer for radio frequency control and selection
- IEC 60749-40:2011
Semiconductor devices – Mechanical and climatic test methods – Part 40: Board level drop test method using a strain gauge
- IEC 62047-5:2011
Semiconductor devices – Micro-electromechanical devices – Part 5: RF MEMS switches
- IEC 62047-9:2011
Semiconductor devices – Micro-electromechanical devices – Part 9: Wafer to wafer bonding strength measurement for MEMS

Europska normizacija

- EN 60749-30:2005/A1:2011
Semiconductor devices – Mechanical and climatic test methods – Part 30: Preconditioning of non-hermetic surface mount devices prior to reliability testing (IEC 60749-30:2005/am1:2011)
- EN 62258-2:2011
Semiconductor die products – Part 2: Exchange data formats

31.080.20 Tiristori

Europska normizacija

- EN 61954:2011
Static VAR compensators (SVC) – Testing of thyristor valves (IEC 61954:2011)

31.120 Elektronički pokazni uređaji

Međunarodna normizacija (IEC)

- IEC 61747-5-2:2011
Liquid crystal display devices – Part 5-2: Environmental, endurance and mechanical test methods – Visual inspection of active matrix colour liquid crystal display modules
- IEC 61747-6-2:2011
Liquid crystal display devices – Part 6-2: Measuring methods for liquid crystal display modules – Reflective type
- IEC 61747-6-3:2011
Liquid crystal display devices – Part 6-3: Measuring methods for liquid crystal display modules – Motion artifact measurement of active matrix liquid crystal display modules
- IEC 61988-1:2011
Plasma display panels – Part 1: Terminology and letter symbols

31.140 Piezoelektrični i dielektrični uređaji

Međunarodna normizacija (IEC)

- IEC/TS 61994-2:2011
Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 2: Piezoelectric and dielectric filters

31.220.01 Elektromehaničke sastavnice općenito

Međunarodna normizacija (IEC)

- IEC 62047-7:2011
Semiconductor devices – Micro-electromechanical devices – Part 7: MEMS BAW filter and duplexer for radio frequency control and selection
- IEC 62047-5:2011
Semiconductor devices – Micro-electromechanical devices – Part 5: RF MEMS switches
- IEC 62047-9:2011
Semiconductor devices – Micro-electromechanical devices – Part 9: Wafer to wafer bonding strength measurement for MEMS
- IEC 62047-10:2011
Semiconductor devices – Micro-electromechanical devices – Part 10: Micro-pillar compression test for MEMS materials

31.220.10 Utikački i utičnički uređaji. Konektori

Međunarodna normizacija (IEC)

- IEC 60512-9-3:2011
Connectors for electronic equipment – Tests and measurements – Part 9-3: Endurance tests – Test 9c: Mechanical operation (engaging and separating) with electrical load
- IEC 61076-2:2011
Connectors for electronic equipment – Product requirements – Part 2: Sectional specification for circular connectors
- IEC 61076-2-001:2011
Connectors for electronic equipment – Product requirements – Part 2-001: Circular connectors – Blank detail specification
- IEC 61076-2-106:2011
Connectors for electronic equipment – Product requirements – Part 2-106: Circular connectors – Detail specification for connectors M 16 x 0,75 with screw-locking and degree of protection IP40 or IP65/67

Europska normizacija

- EN 60512-8-2:2011
Connectors for electronic equipment – Tests and measurements – Part 8-2: Static load tests (fixed connectors) – Test 8b: Static load, axial (IEC 60512-8-2:2011)
- EN 60512-8-3:2011
Connectors for electronic equipment – Tests and measurements – Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever (IEC 60512-8-3:2011)
- EN 60512-9-4:2011
Connectors for electronic equipment – Tests and measurements – Part 9-4: Endurance tests – Test 9d: Durability of contact retention system and seals (maintenance, ageing) (IEC 60512-9-4:2011)
- EN 60512-17-2:2011
Connectors for electronic equipment – Tests and measurements – Part 17-2: Cable clamping tests – Test 17b: Cable clamp resistance to cable rotation (IEC 60512-17-2:2011)
- EN 60603-7-1:2011
Connectors for electronic equipment – Part 7-1: Detail specification for 8-way, shielded, free and fixed connectors (IEC 60603-7-1:2011)

31.240 Mehaničke konstrukcije za elektroničku opremu

Međunarodna normizacija (IEC)

IEC 60191-6-12:2011

Mechanical standardization of semiconductor devices – Part 6-12: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guidelines for fine-pitch land grid array (FLGA)

Europska normizacija

EN 61837-2:2011

Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures (IEC 61837-2:2011)

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija (ISO)

ISO 21254-1:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 1: Definitions and general principles

ISO 21254-2:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 2: Threshold determination

ISO 21254-3:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 3: Assurance of laser power (energy) handling capabilities

Međunarodna normizacija (IEC)

IEC 60825-4 Edition 2.2:2011

Safety of laser products – Part 4: Laser guards

Europska normizacija

EN ISO 21254-1:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 1: Definitions and general principles (ISO 21254-1:2011)

EN ISO 21254-2:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 2: Threshold determination (ISO 21254-2:2011)

EN ISO 21254-3:2011

Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 3: Assurance of laser power (energy) handling capabilities (ISO 21254-3:2011)

33.040.40 Mreže za prijenos podataka

Međunarodna normizacija (IEC)

IEC 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 61850-7-1:2011

Communication networks and systems for power utility automation – Part 7-1: Basic communication structure – Principles and models

Europska normizacija

EN 61850-4:2011

Communication networks and systems for power utility automation – Part 4: System and project management (IEC 61850-4:2011)

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija

EN 301 908-1 V5.2.1

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 1: Introduction and common requirements

EN 301 908-13 V5.2.1

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

EN 301 908-14 V5.2.1

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)

EN 302 729-1 V1.1.2

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz – Part 1: Technical characteristics and test methods

EN 302 729-2 V1.1.2

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Level Probing Radar (LPR) equipment operating in the frequency ranges 6 GHz to 8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz to 85 GHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 774 V1.1.1

Broadband Wireless Access Systems (BWA) in the 3 400 MHz to 3 800 MHz frequency band – Base Stations – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

EN 302 885-1 V1.1.1

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 302 998-1 V1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Transmitting equipment for terrestrial mobile TV to provide multimedia multicast service – Part 1: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive, Common requirements

EN 302 998-2 V1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Transmitting equipment for terrestrial mobile TV to provide multimedia multicast service – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive, Test Arrangements for transmitters utilizing OFDM technology

33.060.40 Kabelski sustavi za razdiobu

Europska normizacija

EN 60728-6:2011

Cable networks for television signals, sound signals and interactive services – Part 6: Optical equipment

33.070.10 Zemaljski radio (TETRA)

Međunarodna normizacija (IEC)

IEC 60974-10:2007/Corr.1:2011

Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements

Europska normizacija

EN 302 296-2 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Transmitting equipment for the digital television broadcast service, Terrestrial (DVB-T) – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

33.100.01 Elektromagnetska spojivost općenito

Međunarodna normizacija (IEC)

IEC 61326-2-4:2006/Corr.1:2011

Corrigendum 1 – Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9

33.100.10 Zračenje

Međunarodna normizacija (IEC)

IEC 61000-6-3 am1 Interpretation Sheet:2011

Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments

IEC 61000-6-4 am1 Interpretation Sheet:2011

Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments

Europska normizacija

EN 61000-4-15:2011

Electromagnetic compatibility (EMC) – Part 4-15: Testing and measurement techniques – Flickermeter – Functional and design specifications (IEC 61000-4-15:2011)

33.120.30 RF konektori

Međunarodna normizacija (IEC)

IEC 61169-35:2011

Radio-frequency connectors – Part 35: Sectional specification for 2,92 series RF connectors

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Međunarodna normizacija (IEC)

IEC 60268-16:2011

Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index

IEC/TR 62368-2:2011

Audio/video, information and communication technology equipment – Part 2: Explanatory information related to IEC 62368-1

IEC 62516-2:2011

Terrestrial digital multimedia broadcasting (T-DMB) receivers – Part 2: Interactive data services using BIFS

33.160.30 Audiosustavi

Europska normizacija

EN 61937-10:2011

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 10: Non-linear PCM bitstreams according to the MPEG-4 Audio Lossless Coding (ALS) format (IEC 61937-10:2011)

EN 62574:2011

Audio, video and multimedia systems – General channel assignment of multichannel audio (IEC 62574:2011)

33.170 Televizijski i radijski prijenos

Međunarodna normizacija (IEC)

IEC 62634:2011

Radio data system (RDS) – Receiver products and characteristics – Methods of measurement

Europska normizacija

EN 302 296-2 V1.2.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Transmitting equipment for the digital television broadcast service, Terrestrial (DVB-T) – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija

EN 60793-1-44:2011

Optical fibres – Part 1-44: Measurement methods and test procedures – Cut-off wavelength (IEC 60793-1-44:2011)

33.180.20 Svjetlovodni vezni uređaji

Međunarodna normizacija (IEC)

IEC 61300-3-46:2011

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-46: Measurement – Bore diameter for guide pin in MT ferrules

Europska normizacija

EN 50377-14-1:2011

Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 14-1: Cords with IEC 60793-2-50 singlemode category B1.1 and B1.3 fibre for category C

EN 50411-6-1:2011

Fibre organisers and closures to be used in optical fibre communication systems – Product specifications – Part 6-1: Unprotected microduct for category S and A

EN 61753-141-2:2011

Fibre optic interconnecting devices and passive components – Performance standard – Part 141-2: Fibre optic passive chromatic dispersion compensator using single-mode dispersion compensating fibre for category C – Controlled environments (IEC 61753-141-2:2011)

EN 61300-3-45:2011

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-45: Examinations and measurements – Attenuation of random mated multi-fibre connectors (IEC 61300-3-45:2011)

33.180.30 Optička pojačala

Međunarodna normizacija (IEC)

IEC 61290-4-2:2011

Optical amplifiers – Test methods – Part 4-2: Gain transient parameters – Broadband source method

33.180.99 Druga svjetlovodna oprema

Međunarodna normizacija (IEC)

IEC 62496-2-1:2011

Optical circuit boards – Part 2-1: Measurements – Optical attenuation and isolation

35.040 Skupovi znakova i informacijsko kodiranje

Međunarodna normizacija (ISO)

ISO/IEC TR 18047-3:2011

Information technology – Radio frequency identification device conformance test methods – Part 3: Test methods for air interface communications at 13,56 MHz

ISO/IEC 23006-1:2011

Information technology – MPEG extensible middleware (MXM) – Part 1: MXM architecture and technologies

ISO/IEC 23006-2:2011

Information technology – MPEG extensible middleware (MXM) – Part 2: MXM API

ISO/IEC 24800-2:2011

Information technology – JPSearch – Part 2: Registration, identification and management of schema and ontology

ISO/IEC 15938-12:2008/Amd 2:2011

Information technology – Multimedia content description interface – Part 12: Query format – Amendment 2: Semantic enhancement

ISO/IEC 23000-11:2009/Amd 1:2011

Information technology – Multimedia application format (MPEG-A) – Part 11: Stereoscopic video application format – Amendment 1: Stereoscopic video application format conformance and reference software

ISO/IEC 23007-3:2011

Information technology – Rich media user interfaces – Part 3: Conformance and reference software

ISO/IEC TR 29199-1:2011

Information technology – JPEG XR image coding system – Part 1: System architecture

Europska normizacija

EN 62258-2:2011

Semiconductor die products – Part 2: Exchange data formats (IEC 62258-2:2011)

35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici

Međunarodna normizacija (ISO)

ISO/IEC 16262:2011

Information technology – Programming languages, their environments and system software interfaces – ECMAScript language specification

ISO/IEC 19756:2011

Information technology – Topic Maps – Constraint Language (TMCL)

ISO/IEC TR 19075-1:2011

Information technology – Database languages – SQL Technical Reports – Part 1: XQuery Regular Expression Support in SQL

35.080 Razvoj računalne podrške i dokumentacijski sustav

Europska normizacija

EN 50128:2011

Railway applications – Communication, signalling and processing systems – Software for railway control and protection systems

35.110 Umreživanje

Europska normizacija

EN 50173-1:2011

Information technology – Generic cabling systems – Part 1: General requirements

35.140 Računalna grafika

Međunarodna normizacija (ISO)

ISO/IEC 19776-3:2011

Information technology – Computer graphics, image processing and environmental data representation – Extensible 3D (X3D) encodings – Part 3: Compressed binary encoding

35.160 Mikroprocesorski sustavi

Međunarodna normizacija (ISO)

ISO/IEC/IEEE 60559:2011

Information technology – Microprocessor Systems – Floating-Point arithmetic

Europska normizacija

EN 61784-3-18:2011

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18 (IEC 61784-3-18:2011)

35.180 Terminalna i druga vanjska oprema

Međunarodna normizacija (ISO)

ISO 9241-420:2011

Ergonomics of human-system interaction – Part 420: Selection of physical input devices

ISO 9241-910:2011

Ergonomics of human-system interaction – Part 910: Framework for tactile and haptic interaction

Europska normizacija

EN ISO 9241-910:2011

Ergonomics of human-system interaction – Part 910: Framework for tactile and haptic interaction (ISO 9241-910:2011)

35.200 Sučelna i vezna oprema

Međunarodna normizacija (ISO)

ISO/IEC 13187:2011

Information technology – Server management command line protocol (SM CLP) specification

35.220.30 Optički uređaji za pohranu podataka

Međunarodna normizacija (ISO)

ISO/IEC 10995:2011

Information technology – Digitally recorded media for information interchange and storage – Test method for the estimation of the archival lifetime of optical media

35.240.15 Identifikacijske kartice i srodni uređaji

Međunarodna normizacija (ISO)

ISO/IEC 24745:2011

Information technology – Security techniques – Biometric information protection

ISO/IEC 10373-9:2011

Identification cards – Test methods – Part 9: Optical memory cards – Holographic recording method

ISO/IEC 12905:2011

Integrated circuit cards – Enhanced terminal accessibility using cardholder preference interface

ISO/IEC 19794-1:2011

Information technology – Biometric data interchange formats – Part 1: Framework

ISO/IEC 29109-9:2011

Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 9: Vascular image data

35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

Međunarodna normizacija (ISO)

ISO/TR 14105:2011

Document management – Change management for successful electronic document management system (EDMS) implementation

ISO 19005-2:2011

Document management – Electronic document file format for long-term preservation – Part 2: Use of ISO 32000-1 (PDF/A-2)

ISO 12642-1:2011

Graphic technology – Input data for characterization of four-colour process printing – Part 1: Initial data set

Međunarodna normizacija (IEC)

IEC 62605:2011

Multimedia systems and equipment – Multimedia e-publishing and e-books – Interchange format for e-dictionaries

35.240.50 Primjene IT-a u industriji

Međunarodna normizacija (ISO)

ISO 16100-6:2011

Industrial automation systems and integration – Manufacturing software capability profiling for interoperability – Part 6: Interface services and protocols for matching profiles based on multiple capability class structures

Europska normizacija

EN 61784-3-18:2011

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18 (IEC 61784-3-18:2011)

35.240.60 Primjene IT-a u prijevozu i trgovini

Međunarodna normizacija (IEC)

IEC 62290-2:2011

Railway applications – Urban guided transport management and command/control systems – Part 2: Functional requirements specification

ISO 14825:2011

Intelligent transport systems – Geographic Data Files (GDF) – GDF5.0

ISO/IEC 15944-1:2011

Information technology – Business Operational View – Part 1: Operational aspects of Open-edi for implementation

ISO 29282:2011

Intelligent transport systems – Communications access for land mobiles (CALM) – Satellite networks

Europska normizacija

EN 15722:2011

Intelligent transport systems – eSafety – eCall minimum set of data (MSD)

EN 50128:2011

Railway applications – Communication, signalling and processing systems – Software for railway control and protection systems

EN ISO 14825:2011

Intelligent transport systems – Geographic Data Files (GDF) – GDF5.0 (ISO 14825:2011)

35.240.70 Primjene IT-a u znanosti

Međunarodna normizacija (ISO)

ISO 19110:2005/Amd1:2011

Geographic information – Methodology for feature cataloguing; Amendment 1

Europska normizacija

EN ISO 19110:2006/A1:2011

Geographic information – Methodology for feature cataloguing – Amendment 1 (ISO 19110:2005/AMD 1:2011)

35.240.99 Primjene IT-a u drugim područjima

Međunarodna normizacija (ISO)

ISO/IEC 19788-2:2011

Information technology – Learning, education and training – Metadata for learning resources – Part 2: Dublin Core elements

- ISO 11783-11:2011
Tractors and machinery for agriculture and forestry –
Serial control and communications data network –
Part 11: Mobile data element dictionary
- ISO/IEC TR 29127:2011
Information technology – System Process and
Architecture for Multilingual Semantic Reverse Query
Expansion

Međunarodna normizacija (IEC)

- IEC 62386-209:2011
Digital addressable lighting interface – Part 209:
Particular requirements for control gear – Colour
control (device type 8)

Europska normizacija

- EN 62386-210:2011
Digital addressable lighting interface – Part 210:
Particular requirements for control gear – Sequencer
(device type 9) (IEC 62386-210:2011)

37.020 Optička oprema

Međunarodna normizacija (ISO)

- ISO 19012-1:2011
Microscopes – Designation of microscope objectives
– Part 1: Flatness of field/Plan

37.100.99 Druge norme koje se odnose na grafičku tehniku

Međunarodna normizacija (ISO)

- ISO 19005-2:2011
Document management – Electronic document file
format for long-term preservation – Part 2: Use of
ISO 32000-1 (PDF/A-2)
- ISO 12642-1:2011
Graphic technology – Input data for characterization of
four-colour process printing – Part 1: Initial data set

39.040.10 Ručni i džepni satovi

Međunarodna normizacija (ISO)

- ISO 23160:2011
Watch cases and accessories – Tests of the resistance
to wear, scratching and impacts

43.040.30 Pokazni i upravljački uređaji

Međunarodna normizacija (ISO)

- ISO 2575:2010/Amd 1:2011
Road vehicles – Symbols for controls, indicators and
tell-tales

43.040.40 Sustavi kočenja

Međunarodna normizacija (ISO)

- ISO 27667:2011
Road vehicles – Brake lining friction materials –
Evaluation of corrosion effects on painted backing
plates and brake shoes

43.060.10 Blok motora i unutrašnje sastavnice

Međunarodna normizacija (ISO)

- ISO 6627:2011
Internal combustion engines – Piston rings – Expander/
segment oil-control rings

43.160 Vozila za posebne namjene

Europska normizacija

- EN 15432-1:2011
Winter and road service area maintenance equipments
– Front-mounted equipments – Part 1: Fixed front
mounting plates

45.060.01 Željeznička tračna vozila. Općenito

Europska normizacija

- EN 14535-2:2011
Railway applications – Brake discs for railway rolling
stock – Part 2: Brake discs mounted onto the wheel,
dimensions and quality requirements

45.060.20 Željeznička tračna vučena vozila

Europska normizacija

- EN 12561-1:2011
Railway applications – Tank wagons – Part 1:
Identification plates for tank wagons for the carriage
of dangerous goods
- EN 12561-2:2011
Railway applications – Tank wagons – Part 2: Bottom
emptying devices for liquid products including vapour
return
- EN 12561-3:2011
Railway applications – Tank wagons – Part 3: Bottom
filling and emptying devices for gases liquefied under
pressure
- EN 12561-4:2011
Railway applications – Tank wagons – Part 4: Devices
for top filling and emptying of liquid products
- EN 12561-5:2011
Railway applications – Tank wagons – Part 5: Devices
for vapour return while filling or emptying of liquid
products
- EN 12561-6:2011
Railway applications – Tank wagons – Part 6:
Manholes
- EN 12561-7:2011
Railway applications – Tank wagons – Part 7: Platforms
and ladders
- EN 12561-8:2011
Railway applications – Tank wagons – Part 8: Heating
connections

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Međunarodna normizacija (IEC)

- IEC 62613-1:2011
Plugs, socket-outlets and ship couplers for high-
voltage shore connection systems (HVSC-Systems)
– Part 1: General requirements

47.020.70 Oprema za navigaciju i upravljanje

Međunarodna normizacija (IEC)

IEC 61162-450:2011
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 450: Multiple talkers and multiple listeners – Ethernet interconnection

47.020.99 Druge norme koje se odnose na brodogradnju i pomorske konstrukcije

Međunarodna normizacija (ISO)

ISO 22488:2011
Ships and marine technology – Shipboard fire-fighters' outfits (protective clothing, gloves, boots and helmet)

ISO 28002:2011
Security management systems for the supply chain – Development of resilience in the supply chain – Requirements with guidance for use

47.080 Mali plovni objekti

Međunarodna normizacija (ISO)

ISO 6185-4:2011
Inflatable boats – Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater

Europska normizacija

EN ISO 6185-4:2011
Inflatable boats – Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater (ISO 6185-4:2011)

49.020 Zrakoplovi i svemirska vozila općenito

Europska normizacija

EN 9101:2011
Quality Management Systems – Audit Requirements for Aviation, Space, and Defence Organizations

49.025.05 Željezne slitine općenito

Europska normizacija

EN 4678:2011
Aerospace series – Weldments and brazements for aerospace structures – Joints of metallic materials by laser beam welding – Quality of weldments

49.025.10 Čelici

Europska normizacija

EN 4683:2011
Aerospace series – Steel FE-WM 3504 (X4CrNiMo16-5-1) – Air melted – Filler metal for welding – Wire and rod

49.025.30 Titan

Europska normizacija

EN 4685:2011
Aerospace series – Titanium Ti10V2Fe3Al – Bars – $D < 110 \text{ mm} - R_m = 1\ 240 \text{ MPa}$

49.025.99 Druga gradiva

Međunarodna normizacija (IEC)

IEC/PAS 62647-3:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 3: Performance testing for systems containing lead-free solder and finishes

49.035 Sastavnice za zrakoplovne konstrukcije

Međunarodna normizacija (IEC)

IEC/PAS 62647-1:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 1: Lead-free management

IEC/PAS 62647-2:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 2: Mitigation of the deleterious effects of tin

IEC/PAS 62647-21:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 21: Program management – Systems engineering guidelines for managing the transition to lead-free electronics

IEC/PAS 62647-22:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 22: Technical guidelines

IEC/PAS 62647-23:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 23: Rework and repair guidance to address the implications of lead-free electronics and mixed assemblies

49.040 Premazivanje i srodni procesi koji se upotrebljavaju u zrakoplovnoj industriji

Europska normizacija

EN 2491:2011
Aerospace series – Molybdenum disulphide dry lubricants – Coating methods

49.060 Zrakoplovna električna oprema i sustavi

Međunarodna normizacija (IEC)

IEC/PAS 62647-23:2011
Process management for avionics – Aerospace and defence electronic systems containing lead-free solder – Part 23: Rework and repair guidance to address the implications of lead-free electronics and mixed assemblies

Europska normizacija

EN 2240-061:2011
Aerospace series – Lamps, incandescent – Part 061: Lamp, code 1683 – Product standard

EN 2240-062:2011
Aerospace series – Lamps, incandescent – Part 062: Lamp, code 1810 – Product standard

EN 2240-063:2011
Aerospace series – Lamps, incandescent – Part 063: Lamp, code 1815 – Product standard

- EN 2240-064:2011
Aerospace series – Lamps, incandescent – Part 064:
Lamp, code 1819 – Product standard
- EN 2240-065:2011
Aerospace series – Lamps, incandescent – Part 065:
Lamp, code 1820 – Product standard
- EN 2240-066:2011
Aerospace series – Lamps, incandescent – Part 066:
Lamp, code 1829 – Product standard
- EN 2240-067:2011
Aerospace series – Lamps, incandescent – Part 067:
Lamp, code 1843 – Product standard
- EN 2240-068:2011
Aerospace series – Lamps, incandescent – Part 068:
Lamp, code 1864 – Product standard
- EN 2240-069:2011
Aerospace series – Lamps, incandescent – Part 069:
Lamp, code 1978 – Product standard
- EN 2240-070:2011
Aerospace series – Lamps, incandescent – Part 070:
Lamp, code 2232 – Product standard
- EN 2997-014:2011
Aerospace series – Connectors, electrical, circular,
coupled by threaded ring, fire-resistant or non fire-
resistant, operating temperatures – 65 °C to 175 °C
continuous, 200 °C continuous, 260 °C peak – Part
014: Square flange receptacle with integrated
accessory – Product standard
- EN 3155-002:2011
Aerospace series – Electrical contacts used in
elements of connection – Part 002: List and utilization
of contacts
- EN 4008-007:2011
Aerospace series – Elements of electrical and
optical connection – Crimping tools and associated
accessories – Part 007: Positioner for crimping tool
M22520/2-01 – Product standard
- EN 4008-008:2011
Aerospace series – Elements of electrical and
optical connection – Crimping tools and associated
accessories – Part 008: Positioner for crimping tool
M22520/7-01 – Product standard

49.140 Svemirski sustavi i radnje

Međunarodna normizacija (ISO)

- ISO 17566:2011
Space systems – General test documentation
- ISO 10786:2011
Space systems – Structural components and
assemblies
- ISO 10830:2011
Space systems – Non-destructive testing – Automatic
ultrasonic inspection method of graphite ingot for solid
rocket motors
- ISO 11221:2011
Space systems – Space solar panels – Spacecraft
charging induced electrostatic discharge test
methods
- ISO 14300-1:2011
Space systems – Programme management – Part 1:
Structuring of a project
- ISO 27852:2011
Space systems – Estimation of orbit lifetime

53.020.20 Dizalice

Međunarodna normizacija (ISO)

- ISO 10571:2011
Tyres for mobile cranes and similar specialized
machines

53.100 Strojevi za zemljane radove

Međunarodna normizacija (ISO)

- ISO 2867:2011
Earth-moving machinery – Access systems

Europska normizacija

- EN ISO 2867:2011
Earth-moving machinery – Access systems
(ISO 2867:2011)

59.080.01 Tekstili općenito

Međunarodna normizacija (ISO)

- ISO 139:2005/AMD 1:2011
Textiles – Standard atmospheres for conditioning and
testing; Amendment 1

Europska normizacija

- EN ISO 139:2005/A1:2011
Textiles – Standard atmospheres for conditioning and
testing – Amendment 1 (ISO 139:2005/AMD 1:2011)

59.080.60 Tekstilni podni pokrivači

Međunarodna normizacija (ISO)

- ISO 10965:2011
Textile floor coverings – Determination of electrical
resistance

59.080.70 Geotekstili

Europska normizacija

- EN ISO 10769:2011
Clay geosynthetic barriers – Determination of water
absorption of bentonite (ISO 10769:2011)

59.140.30 Koža i krzno

Međunarodna normizacija (ISO)

- ISO 17076-2:2011
Leather – Determination of abrasion resistance –
Part 2: Martindale ball plate method

Europska normizacija

- EN ISO 17076-2:2011
Leather – Determination of abrasion resistance – Part 2:
Martindale ball plate method (ISO 17076-2:2011)

65.060.01 Poljoprivredni strojevi i oprema općenito

Međunarodna normizacija (ISO)

- ISO 11783-11:2011
Tractors and machinery for agriculture and forestry –
Serial control and communications data network –
Part 11: Mobile data element dictionary

65.060.10 Poljoprivredni traktori i priključna vozila

Međunarodna normizacija (ISO)

- ISO 5692-3:2011
Agricultural vehicles – Mechanical connections on towed vehicles – Part 3: Swivel hitch rings
- ISO 6489-5:2011
Agricultural vehicles – Mechanical connections between towed and towing vehicles – Part 5: Specifications for non-swivel clevis couplings

65.060.40 Oprema za njegu biljaka

Međunarodna normizacija (ISO)

- ISO 10988:2011
Equipment for crop protection – Knapsack motorized air-assisted sprayers – Test methods and performance limits

65.060.80 Oprema za šumarstvo

Međunarodna normizacija (ISO)

- ISO 11837:2011
Machinery for forestry – Saw chain shot guarding systems – Test method and performance criteria

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija (ISO)

- ISO 10315:2000/Amd 1:2011
Cigarettes – Determination of nicotine in smoke condensates – Gas-chromatographic method
- ISO 10362-1:1999/Amd 1:2011
Cigarettes – Determination of water in smoke condensates – Part 1: Gas-chromatographic method
- ISO 10362-2:1994/Amd 1:2011
Cigarettes – Determination of water in smoke condensates – Part 2: Karl Fischer method

67.060 Žitarice, mahunjače i proizvodi od žitarica i mahunjača

Međunarodna normizacija (ISO)

- ISO 6646:2011
Rice – Determination of the potential milling yield from paddy and from husked rice

67.200.10 Životinjske i biljne masti i ulja

Međunarodna normizacija (ISO)

- ISO 9936:2006/Amd 1:2011
Animal and vegetable fats and oils – Determination of tocopherol and tocotrienol contents by high-performance liquid chromatography – Amendment 1: Updating of reagents and confirmation of statistical data validity
- ISO 15753:2006/Amd 1:2011
Animal and vegetable fats and oils – Determination of polycyclic aromatic hydrocarbons – Amendment 1: Exclusion of olive pomace oil from the scope

67.240 Osjetilna analiza

Međunarodna normizacija (ISO)

- ISO 11037:2011
Sensory analysis – Guidelines for sensory assessment of the colour of products
- ISO 29842:2011
Sensory analysis – Methodology – Balanced incomplete block designs

71.040.20 Laboratorijsko posuđe i srodni uređaji

Međunarodna normizacija (ISO)

- ISO 13079:2011
Laboratory glass and plastics ware – Tubes for the measurement of the erythrocyte sedimentation rate by the Westergren method
- ISO 13130:2011
Laboratory glassware – Desiccators
- ISO 13132:2011
Laboratory glassware – Petri dishes

Europska normizacija

- EN ISO 13079:2011
Laboratory glass and plastics ware – Tubes for the measurement of the erythrocyte sedimentation rate by the Westergren method (ISO 13079:2011)
- EN ISO 13130:2011
Laboratory glassware – Desiccators (ISO 13130:2011)
- EN ISO 13132:2011
Laboratory glassware – Petri dishes (ISO 13132:2011)

71.040.40 Kemijska analiza

Međunarodna normizacija (ISO)

- ISO 28600:2011
Surface chemical analysis – Data transfer format for scanning-probe microscopy
- ISO 27911:2011
Surface chemical analysis – Scanning-probe microscopy – Definition and calibration of the lateral resolution of a near-field optical microscope

73.100.40 Oprema za prijevoz i izvlačenje

Europska normizacija

- EN 1889-1:2011
Machines for underground mines – Mobile machines working underground – Safety – Part 1: Rubber tyred vehicles

75.060 Prirodni plin

Međunarodna normizacija (ISO)

- ISO 15112:2011
Natural gas – Energy determination

75.100 Maziva, industrijska ulja i srodni proizvodi

Međunarodna normizacija (ISO)

- ISO 13738:2011
Lubricants, industrial oils and related products (class L) – Family E (Internal combustion engine oils) – Specifications for two-stroke-cycle gasoline engine oils (categories EGB, EGC and EGD)

75.160.10 Kruta goriva

Europska normizacija

- EN 14778:2011
Solid biofuels – Sampling
- EN 14780:2011
Solid biofuels – Sample preparation
- EN 14961-2:2011
Solid biofuels – Fuel specifications and classes –
Part 2: Wood pellets for non-industrial use
- EN 14961-3:2011
Solid biofuels – Fuel specifications and classes –
Part 3: Wood briquettes for non-industrial use
- EN 14961-4:2011
Solid biofuels – Fuel specifications and classes –
Part 4: Wood chips for non-industrial use

75.180.10 Oprema za iskorištavanje i vađenje

Međunarodna normizacija (ISO)

- ISO 10414-2:2011
Petroleum and natural gas industries – Field testing
of drilling fluids – Part 2: Oil-based fluids
- ISO 11960:2011
Petroleum and natural gas industries – Steel pipes for
use as casing or tubing for wells
- ISO 13501:2011
Petroleum and natural gas industries – Drilling fluids
– Processing equipment evaluation
- ISO 13628-4:2010/Cor 1:2011
Petroleum and natural gas industries – Design and
operation of subsea production systems – Part 4:
Subsea wellhead and tree equipment; Technical
Corrigendum

Europska normizacija

- EN ISO 10414-2:2011
Petroleum and natural gas industries – Field testing
of drilling fluids – Part 2: Oil-based fluids
(ISO 10414-2:2011)
- EN ISO 11960:2011
Petroleum and natural gas industries – Steel pipes for
use as casing or tubing for wells (ISO 11960:2011)
- EN ISO 13501:2011
Petroleum and natural gas industries – Drilling fluids –
Processing equipment evaluation (ISO 13501:2011)
- EN ISO 13628-4:2010/AC:2011
Petroleum and natural gas industries – Design and
operation of subsea production systems – Part 4:
Subsea wellhead and tree equipment – Technical
Corrigendum 1 (ISO 13628-4:2010/Cor 1:2011)

75.200 Naftni proizvodi i oprema za rukovanje prirodnim plinom

Međunarodna normizacija (ISO)

- ISO 21809-1:2011
Petroleum and natural gas industries – External
coatings for buried or submerged pipelines used in
pipeline transportation systems – Part 1: Polyolefin
coatings (3-layer PE and 3-layer PP)

Europska normizacija

- EN ISO 21809-1:2011
Petroleum and natural gas industries – External coatings
for buried or submerged pipelines used in pipeline
transportation systems – Part 1: Polyolefin coatings
(3-layer PE and 3-layer PP) (ISO 21809-1:2011)

77.040.10 Mehaničko ispitivanje kovina

Međunarodna normizacija (ISO)

- ISO 376:2011
Metallic materials – Calibration of force-proving
instruments used for the verification of uniaxial testing
machines

Europska normizacija

- EN ISO 376:2011
Metallic materials – Calibration of force-proving
instruments used for the verification of uniaxial testing
machines (ISO 376:2011)

77.060 Hrđanje kovina

Međunarodna normizacija (ISO)

- ISO 8565:2011
Metals and alloys – Atmospheric corrosion testing –
General requirements

77.120.40 Nikal, krom i njihove slitine

Međunarodna normizacija (ISO)

- ISO 11435:2011
Nickel alloys – Determination of molybdenum content
– Inductively coupled plasma/atomic emission
spectrometric method

77.140.65 Čelična žica, žičana užad i lanci

Međunarodna normizacija (ISO)

- ISO 16120-1:2011
Non-alloy steel wire rod for conversion to wire –
Part 1: General requirements
- ISO 16120-2:2011
Non-alloy steel wire rod for conversion to wire – Part 2:
Specific requirements for general-purpose wire rod
- ISO 16120-3:2011
Non-alloy steel wire rod for conversion to wire –
Part 3: Specific requirements for rimmed and rimmed
substitute, low-carbon steel wire rod
- ISO 16120-4:2011
Non-alloy steel wire rod for conversion to wire –
Part 4: Specific requirements for wire rod for special
applications

Europska normizacija

- EN 10244-1:2009/AC:2011
Steel wire and wire products – Non-ferrous metallic
coatings on steel wire – Part 1: General principles
- EN ISO 16120-1:2011
Non-alloy steel wire rod for conversion to wire –
Part 1: General requirements (ISO 16120-1:2011)
- EN ISO 16120-2:2011
Non-alloy steel wire rod for conversion to wire –
Part 2: Specific requirements for general-purpose wire
rod (ISO 16120-2:2011)
- EN ISO 16120-3:2011
Non-alloy steel wire rod for conversion to wire –
Part 3: Specific requirements for rimmed and rimmed
substitute, low-carbon steel wire rod
(ISO 16120-3:2011)
- EN ISO 16120-4:2011
Non-alloy steel wire rod for conversion to wire –
Part 4: Specific requirements for wire rod for special
applications (ISO 16120-4:2011)

77.140.75 Čelične cijevi

Međunarodna normizacija (ISO)

ISO 11960:2011
Petroleum and natural gas industries – Steel pipes for use as casing or tubing for wells

Europska normizacija

EN ISO 11960:2011
Petroleum and natural gas industries – Steel pipes for use as casing or tubing for wells (ISO 11960:2011)

77.140.80 Željezni i čelični odljevci

Međunarodna normizacija (ISO)

ISO 7186:2011
Ductile iron products for sewerage applications

77.150.10 Aluminijski proizvodi

Međunarodna normizacija (ISO)

ISO 7271:2011
Aluminium and aluminium alloys – Foil and thin strip – Dimensional tolerances

79.060.01 Ploče s drvenom osnovom općenito

Međunarodna normizacija (ISO)

ISO 12460-5:2011
Wood-based panels – Determination of formaldehyde release – Part 5: Extraction method (called the perforator method)

79.060.10 Slojevite ploče

Europska normizacija

EN 12369-2:2011
Wood-based panels – Characteristic values for structural design – Part 2: Plywood

79.120.10 Strojevi za obradbu drveta

Europska normizacija

EN 61029-2-3:2011
Safety of transportable motor-operated electric tools – Part 2-3: Particular requirements for planers and thicknessers (IEC 61029-2-3:1993, modified+A1:2001)

81.040.20 Građevno staklo

Europska normizacija

EN 674:2011
Glass in building – Determination of thermal transmittance (U value) – Guarded hot plate method

EN 675:2011
Glass in building – Determination of thermal transmittance (U value) – Heat flow meter method

81.060.30 Keramika

Međunarodna normizacija (ISO)

ISO 10677:2011
Fine ceramics (advanced ceramics, advanced technical ceramics) – Ultraviolet light source for testing semiconducting photocatalytic materials

83.060 Guma

Međunarodna normizacija (ISO)

ISO 12493:2011
Rubber, vulcanized – Determination of stress in tension upon heating

83.080.01 Plastika općenito

Međunarodna normizacija (ISO)

ISO 179-2:1997/Amd 1:2011
Plastics – Determination of Charpy impact properties – Part 2: Instrumented impact test – Amendment 1: Precision data

ISO 22196:2011
Measurement of antibacterial activity on plastics and other non-porous surfaces

83.080.20 Termoplastična gradiva

Europska normizacija

EN ISO 294-4:2003/AC:2011
Plastics – Injection moulding of test specimens of thermoplastic materials – Part 4: Determination of moulding shrinkage – Technical Corrigendum 1 (ISO 294-4:2001/Cor 1:2007)

83.160.99 Druge vrste guma za vozila

Međunarodna normizacija (ISO)

ISO 10571:2011
Tyres for mobile cranes and similar specialized machines

85.060 Papir i karton

Međunarodna normizacija (ISO)

ISO 12625-1:2011
Tissue paper and tissue products – Part 1: General guidance on terms

85.080.30 Karton

Međunarodna normizacija (ISO)

ISO 3034:2011
Corrugated fibreboard – Determination of single sheet thickness

87.040 Boje i lakovi

Europska normizacija

EN 16074:2011
Paints and varnishes – Determination of non-volatile-matter content and spreading rate of coil coating materials

EN ISO 1518-1:2011
Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method (ISO 1518-1:2011)

91.040.01 Zgrade općenito

Međunarodna normizacija (ISO)

ISO 11863:2011
Buildings and building-related facilities – Functional and user requirements and performance – Tools for assessment and comparison

91.060.40 Dimnjaci, okna, kanali

Europska normizacija

EN 12446:2011
Chimneys – Components – Concrete outer wall elements

91.080.20 Drvene konstrukcije

Međunarodna normizacija (ISO)

ISO 22452:2011
Timber structures – Structural insulated panel walls – Test methods
ISO 20152-2:2011
Timber structures – Bond performance of adhesives – Part 2: Additional requirements

91.100.10 Cement. Gips. Vapno. Žbuka

Europska normizacija

EN 480-1:2006+A1:2011
Admixtures for concrete, mortar and grout – Test methods – Part 1: Reference concrete and reference mortar for testing
EN 480-13:2009+A1:2011
Admixtures for concrete, mortar and grout – Test methods – Part 13: Reference masonry mortar for testing mortar admixtures

91.100.30 Beton i betonski proizvodi

Europska normizacija

EN 480-1:2006+A1:2011
Admixtures for concrete, mortar and grout – Test methods – Part 1: Reference concrete and reference mortar for testing

91.100.50 Veziva. Brtvena gradiva

Međunarodna normizacija (ISO)

ISO 11600:2002/Amd 1:2011
Building construction – Jointing products – Classification and requirements for sealants

Europska normizacija

EN 544:2011
Bitumen shingles with mineral and/or synthetic reinforcements – Product specification and test methods
EN ISO 11600:2003/A1:2011
Building construction – Jointing products – Classification and requirements for sealants (ISO 11600:2002/Amd 1:2011)

91.120.40 Zaštita od groma

Međunarodna normizacija (IEC)

IEC 62561-5:2011
Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals
IEC 62561-6:2011
Lightning protection system components (LPSC) – Part 6: Requirements for lightning strike counters (LSC)

Europska normizacija

EN 50536:2011/AC:2011
Protection against lightning – Thunderstorm warning systems

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija

EN 13053:2006+A1:2011
Ventilation for buildings – Air handling units – Rating and performance for units, components and sections

91.160.01 Rasvjeta općenito

Europska normizacija

EN 12665:2011
Light and lighting – Basic terms and criteria for specifying lighting requirements

93.030 Vanjska kanalizacija

Međunarodna normizacija (ISO)

ISO 7186:2011
Ductile iron products for sewerage applications

93.080.20 Sredstva za cestogradnju

Europska normizacija

EN 1824:2011
Road marking materials – Road trials
EN 12802:2011
Road marking materials – Laboratory methods for identification
EN 13197:2011
Road marking materials – Wear simulator Turntable
EN 13212:2011
Road marking materials – Requirements for factory production control
EN 13459:2011
Road marking materials – Sampling from storage and testing

97.060 Praonički uređaji

Europska normizacija

EN 60456:2011
Clothes washing machines for household use – Methods for measuring the performance (IEC 60456:2011, modified)
EN 60456:2011/AC:2011
Clothes washing machines for household use – Methods for measuring the performance (IEC 60456:2011, modified)

97.080 Uređaji za čišćenje podova

Međunarodna normizacija (IEC)

IEC 60312-1:2010/am1:2011
Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance

97.120 Automatsko upravljanje za kućansku uporabu

Međunarodna normizacija (IEC)

IEC 60730-2-9 Edition 3.1:2011
Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls

97.145 Ljestve

Europska normizacija

EN 131-1:2007+A1:2011

Ladders – Part 1: Terms, types, functional sizes

97.200.50 Igračke

Europska normizacija

EN 71-1:2011

Safety of toys – Part 1: Mechanical and physical properties

97.220.20 Oprema za zimske športove

Međunarodna normizacija (ISO)

ISO 7331:2011

Ski-poles for alpine skiing – Requirements and test methods