

Hrvatski zavod za norme

Oglasnik za normativne dokumente

2/2017 veljača, 2017.

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 nacрте hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije razvrstane po predmetnom ustroju i obavijesti HZN-a.

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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Rezultati hrvatske normizacije

1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN EN 54-5:2017 en pr
Sustavi za otkrivanje i dojavu požara – 5. dio: Detektori topline – Točkasti detektori (EN 54-5:2017)
Fire detection and fire alarm systems – Part 5: Heat detectors – Point heat detectors (EN 54-5:2017)

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

- HRN EN ISO 5395-3:2014/A1:2017 en pr
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 3. dio: Kosilice trave s rukovateljem koji sjedi na kosilici (ISO 5395-3:2013/Amd 1:2017; EN ISO 5395-3:2013/A1:2017)
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator (ISO 5395-3:2013/Amd 1:2017; EN ISO 5395-3:2013/A1:2017)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

- HRN EN ISO 5492:2010/A1:2017 en pr
Senzorske analize – Rječnik (ISO 5492:2008/Amd 1:2016; EN ISO 5492:2009/A1:2017)
Sensory analysis – Vocabulary (ISO 5492:2008/Amd 1:2016; EN ISO 5492:2009/A1:2017)

HZN/TO 43, *Akustika*

- HRN EN ISO 7029:2017 en pr
Akustika – Statistička razdioba pragova čujnosti s obzirom na dob i spol (ISO 7029:2017; EN ISO 7029:2017)
Acoustics – Statistical distribution of hearing thresholds related to age and gender (ISO 7029:2017; EN ISO 7029:2017)

HZN/TO 71, *Beton*

- HRN EN 1766:2017 en pr
Proizvodi i sustavi za zaštitu i popravak betonskih konstrukcija – Metode ispitivanja – Referentni betoni za ispitivanje (EN 1766:2017)
Products and systems for the protection and repair of concrete structures – Test methods – Reference concretes for testing (EN 1766:2017)

HZN/TO 74, *Cement i vapno*

- HRN EN 16908:2017 en pr
Cement i građevno vapno – Izjava zaštite okoliša – Pravila za razvrstavanje proizvoda kao dopuna normi EN 15804 (EN 16908:2017)
Cement and building lime – Environmental product declarations – Product category rules complementary to EN 15804 (EN 16908:2017)

HZN/TO 120, *Koža i obuća*

- HRN EN ISO 4044:2017 en pr
Koža – Kemijska ispitivanja – Priprema ispitnih uzoraka za kemijska ispitivanja (ISO 4044:2017; EN ISO 4044:2017)
Leather – Chemical tests – Preparation of chemical test samples (ISO 4044:2017; EN ISO 4044:2017)

HZN/TO 136, *Namještaj*

- HRN EN 581-3:2017 en pr
Namještaj za vanjsku primjenu – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 3. dio: Mehanički sigurnosni zahtjevi za stolove (EN 581-3:2017)
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements for tables (EN 581-3:2017)

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

- HRN EN ISO 15493:2004/A1:2017 en pr
Plastični cijevni sustavi za industrijske primjene – Akrlonitril-butadien-stiren (ABS) neomekšani poli(vinil-klorid) (PVC-U) i klorirani poli(vinil-klorid) (PVC-C) – Specifikacije za sastavnice i sustav – Metrički nizovi (ISO 15493:2003/Amd 1:2016+Cor 1:2004; EN ISO 15493:2003/A1:2017)
Plastics piping systems for industrial applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series (ISO 15493:2003/Amd 1:2016+Cor 1:2004; EN ISO 15493:2003/A1:2017)

HZN/TO 146, *Kvaliteta zraka*

- HRS CEN/TS 16115-2:2017 en pr
Vanjski zrak – Mjerenje bioaerosola – 2. dio: Planiranje i procjena mjerenja bioaerosola u dimnoj perjanici iz postrojenja (CEN/TS 16115-2:2016)
Ambient air – Measurement of bioaerosols – Part 2: Planning and evaluation of plant-related plume measurements (CEN/TS 16115-2:2016)

- HRI CEN/TR 17055:2017 en pr
Profesionalna izloženost – Mjerenje kemijskih tvari koje ispunjavaju zahtjeve iz EN 482 i EN 838, EN 1076, EN 13205, EN 13890 ili EN 13936 – Odabir postupaka (CEN/TR 17055:2017)
Workplace exposure – Measurement of chemical agents complying with the requirements given in EN 482 and either one of EN 838, EN 1076, EN 13205, EN 13890 and EN 13936 – Choice of procedures (CEN/TR 17055:2017)

HZN/TO 147, *Kvaliteta vode*

- HRN EN ISO 9308-1:2014/A1:2017 en pr
Kvaliteta vode – Brojenje Escherichia coli i koliformnih bakterija – 1. dio: Metoda membranske filtracije za vode s niskom pozadinom bakterijske flore (ISO 9308-1:2014/Amd 1:2016; EN ISO 9308-1:2014/A1:2017)
Water quality – Enumeration of Escherichia coli and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora (ISO 9308-1:2014/Amd 1:2016; EN ISO 9308-1:2014/A1:2017)

HZN/TO 215, *Medicinska informatika*

- HRN EN ISO 25237:2017 en pr
Medicinska informatika – Pseudonimizacija (ISO 25237:2017; EN ISO 25237:2017)
Health informatics – Pseudonymisation (ISO 25237:2017; EN ISO 25237:2017)

HZN/TO 503, *Metalni materijali*

- HRN EN 10056-1:2017 en pr
Čelični kutnici s jednakim i nejednakim krakovima – 1. dio: Dimenzije (EN 10056-1:2017)
Structural steel equal and unequal leg angles – Part 1: Dimensions (EN 10056-1:2017)

- HRN EN 10152:2017 en pr
Elektrolitički pocinčani hladno valjani čelični plosnati proizvodi za hladno oblikovanje – Tehnički uvjeti isporuke (EN 10152:2017)
Electrolytically zinc coated cold rolled steel flat products for cold forming – Technical delivery conditions (EN 10152:2017)

- HRN EN 10365:2017 en pr
Toplo valjani čelični U profili, I i H nosači – Dimenzije i mase (EN 10365:2017)
Hot rolled steel channels, I and H sections – Dimensions and masses (EN 10365:2017)

HZN/TO 508, Ambalaža i pakiranje

HRN EN 15384-1:2017 en pr
Ambalaža – Metoda ispitivanja za određivanje poroznosti unutarnje prevlake savitljive aluminijske tube – 1. dio: Ispitivanje natrijevim kloridom (EN 15384-1:2017)
Packaging – Test method to determine the porosity of the internal coating of flexible aluminium tubes – Part 1: Sodium chloride test (EN 15384-1:2017)

HRN EN 15384-2:2017 en pr
Ambalaža – Metoda ispitivanja za određivanje poroznosti unutarnje prevlake savitljive aluminijske tube – 2. dio: Ispitivanje bakrovim sulfatom (EN 15384-2:2017)
Packaging – Test method to determine the porosity of the internal coating of flexible aluminium tubes – Part 2: Copper sulphate test (EN 15384-2:2017)

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 1909:2017 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Spašavanje i evakuacija (EN 1909:2017)
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation (EN 1909:2017)

HZN/TO 519, Adhezivi

HRN EN 302-8:2017 en pr
Adhezivi za nosive drvene konstrukcije – Metode ispitivanja – 8. dio: Ispitivanje statičkog opterećenja uzoraka u pritisnom smicanju s višestrukom spojnomo linijom uzoraka (EN 302-8:2017)
Adhesives for load-bearing timber structures – Test methods – Part 8: Static load test of multiple bond line specimens in compression shear (EN 302-8:2017)

HRN EN 15416-1:2017 en pr
Adhezivi za nosive drvene konstrukcije koji nisu fenolni ili aminoplastični – Metode ispitivanja – 4. dio: Ispitivanje dugotrajnim vlačnim naprezanjem okomitim na spojnomo liniju u promjenjivim klimatskim uvjetima s uzorcima okomitim na ravninu lijepljenja (ispitivanje u „stakleniku“) (EN 15416-1:2017)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 1: Long-term tension load test perpendicular to the bond line at varying climate conditions with specimens perpendicular to the glue line (Glasshouse test) (EN 15416-1:2017)

HRN EN 15416-3:2017 en pr
Adhezivi za nosive drvene strukture koji nisu fenolni ili aminoplastični – Metode ispitivanja – 3. dio: Ispitivanje deformacije puzanja u cikličkim klimatskim uvjetima s uzorcima koji se naprežu savojnim smicanjem (EN 15416-3:2017)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear (EN 15416-3:2017)

HRN EN 15416-4:2017 en pr
Adhezivi za nosive drvene konstrukcije koji nisu fenolni ili aminoplastični – Metode ispitivanja – 4. dio: Određivanje otvorenog vremena sklapanja pri navedenim uvjetima (EN 15416-4:2017)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 4: Determination of open assembly time under referenced conditions (EN 15416-4:2017)

HRN EN 15416-5:2017 en pr
Adhezivi za nosive drvene konstrukcije koji nisu fenolni ili aminoplastični – Metode ispitivanja – 5. dio: Određivanje minimalnog vremena prešanja pri navedenim uvjetima (EN 15416-5:2017)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 5: Determination of minimum pressing time under referenced conditions (EN 15416-5:2017)

HRN EN 15425:2017 en pr
Adhezivi – Jednocomponentni poliuretani za drvene strukture pod opterećenjem – Klasifikacija i zahtjevi graničnih svojstava uporabljivosti (EN 15425:2017)
Adhesives – One component polyurethane (PUR) for load-bearing timber structures – Classification and performance requirements (EN 15425:2017)

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 12574-1:2017 en pr
Stalni spremnici za otpad – 1. dio: Spremnici obujma do 10 000 l s ravnim ili kupolastim poklopcem za podizne uređaje s klinom, dvostrukim klinom ili s uтором – Dimenzije i konstrukcija (EN 12574-1:2017)
Stationary waste containers – Part 1: Containers with a capacity up to 10 000 l with flat or dome lid(s), for trunnion, double trunnion or pocket lifting device – Dimensions and design (EN 12574-1:2017)

HRN EN 12574-2:2017 en pr
Stalni spremnici za otpad – 2. dio: Zahtjevi izvedbe i metode ispitivanja (EN 12574-2:2017)
Stationary waste containers – Part 2: Performance requirements and test methods (EN 12574-2:2017)

HRN EN 12574-3:2017 en pr
Stalni spremnici za otpad – 3. dio: Sigurnosni i zdravstveni zahtjevi (EN 12574-3:2017)
Stationary waste containers – Part 3: Safety and health requirements (EN 12574-3:2017)

HZN/TO 524, Inteligentni transportni sustavi

HRS CEN/TS 13149-7:2017 en pr
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 7. dio: Arhitektura sustava i mreže (CEN/TS 13149-7:2015)
Public transport – Road vehicle scheduling and control systems – Part 7: System and Network Architecture (CEN/TS 13149-7:2015)

HRS CEN/TS 16405:2017 en pr
Inteligentni transportni sustavi – Elektronički hitni pozivi iz vozila – Specifikacije dodatnih koncepta podataka za teška teretna vozila (CEN/TS 16405:2017)
Intelligent transport systems – Ecall – Additional data concept specification for heavy goods vehicles (CEN/TS 16405:2017)

HRI CEN/TR 16959:2017 en pr
Javni prijevoz – Razmjena podataka o mreži i redovima vožnje (NeTEx) – Primjeri, smjernice i materijali s objašnjenjima (CEN/TR 16959:2016)
Public transport – Network and Timetable Exchange (NeTEx) – Examples, guidelines and explanatory materials (CEN/TR 16959:2016)

HRI CEN/TR 16968:2017 en pr
Elektronička naplata – Osiguravanje sigurnosnih mjera za primjenu korištenjem namjenske komunikacije kratkog doseg (CEN/TR 16968:2016)
Electronic Fee Collection – Assessment of security measures for applications using Dedicated Short-Range Communication (CEN/TR 16968:2016)

HRI CEN ISO/TR 17424:2017 en pr
Inteligentni transportni sustavi – Kooperativni sustavi – Stanje tehnike koncepta Lokalnih dinamičkih mapa (ISO/TR 17424:2015; CEN ISO/TR 17424:2015)
Intelligent transport systems – Cooperative systems – State of the art of Local Dynamic Maps concepts (ISO/TR 17424:2015; CEN ISO/TR 17424:2015)

HRS CEN ISO/TS 17425:2017 en pr
Inteligentni transportni sustavi – Kooperativni sustavi – Specifikacija za razmjenu podataka za prikaz vanjskih cestovnih i prometnih podataka u vozilu (ISO/TS 17425:2016; CEN ISO/TS 17425:2016)
Intelligent transport systems – Cooperative systems – Data exchange specification for in-vehicle presentation of external road and traffic related data (ISO/TS 17425:2016; CEN ISO/TS 17425:2016)

HZN/TO 528, Oprema za željeznice

HRN EN 13481-2:2012+A1:2017 en pr
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove (EN 13481-2:2012+A1:2017)
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers (EN 13481-2:2012+A1:2017)

HRN EN 13481-5:2017 en pr
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 5. dio: Kolosiječni pričvrstni pribor za kolosijek na čvrstoj podlozi (EN 13481-5:2012+A1:2017)
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel (EN 13481-5:2012+A1:2017)

HRN EN 16585-1:2017 en pr
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 1. dio: Toaleti (EN 16585-1:2017)
Railway applications – Design for PRM Use – Equipment and Components onboard Rolling Stock – Part 1: Toilets (EN 16585-1:2017)

HRN EN 16585-2:2017 en pr
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 2. dio: Elementi za sjedenje, stajanje i kretanje (EN 16585-2:2017)
Railway applications – Design for PRM Use – Equipment and Components onboard Rolling Stock – Part 2: Elements for sitting, standing and moving (EN 16585-2:2017)

HRN EN 16585-3:2017 en pr
Željeznički sustav – Oblikovanja namijenjena osobama smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željezničkim vozilima – 3. dio: Prolazi i unutarnja vrata (EN 16585-3:2017)
Railway applications – Design for PRM use – Equipment and components onboarding Rolling Stock – Part 3: Passageways and internal doors (EN 16585-3:2017)

HRN EN 16727-3:2017 en pr
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i pripadajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Neakustična svojstva – 3. dio: Opći sigurnosni zahtjevi i zahtjevi povezani s okolišem (EN 16727-3:2017)
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Non-acoustic performance – Part 3: General safety and environmental requirements (EN 16727-3:2017)

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

HRN EN 16851:2017 en pr
Granici – Sustavi laganih granika (EN 16851:2017)
Cranes – Light crane systems (EN 16851:2017)

HZN/TO 531, Plastika i guma

HRN EN ISO 177:2017 en pr
Plastika – Određivanje migracije omekšavala (ISO 177:2016; EN ISO 177:2017)
Plastics – Determination of migration of plasticizers (ISO 177:2016; EN ISO 177:2017)

HRN EN ISO 6134:2017 en pr
Gumena crijeva i crijevni uređaji za zasićenu paru – Specifikacija (ISO 6134:2017; EN ISO 6134:2017)
Rubber hoses and hose assemblies for saturated steam – Specification (ISO 6134:2017; EN ISO 6134:2017)

HRN EN ISO 8033:2017 en pr
Gumena i plastična crijeva – Određivanje prijanjanja među komponentama (ISO 8033:2016; EN ISO 8033:2017)
Rubber and plastics hoses – Determination of adhesion between components (ISO 8033:2016; EN ISO 8033:2017)

HRN EN ISO 13206:2017 en pr
Plastika – Plastomerni pokrivni filmovi za uporabu u poljoprivredi i vrtlarstvu (EN 13206:2017)
Plastics – Thermoplastic covering films for use in agriculture and horticulture (EN 13206:2017)

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

HRN EN ISO 1101:2017 en pr
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Tolerancije oblika, orijentacije, smještaja i vrtnje (ISO 1101:2017; EN ISO 1101:2017)
Geometrical product specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out (ISO 1101:2017; EN ISO 1101:2017)

HRN EN ISO 1660:2017 en pr
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Tolerancije profila (ISO 1660:2017; EN ISO 1660:2017)
Geometrical product specifications (GPS) – Geometrical tolerancing – Profile tolerancing (ISO 1660:2017; EN ISO 1660:2017)

HRN EN ISO 1938-2:2017 en pr
Geometrijske specifikacije proizvoda (GSP) – Oprema za mjerenje dimenzija – 2. dio: Referentni mjerni diskovi (ISO 1938-2:2017; EN ISO 1938-2:2017)
Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 2: Reference disk gauges (ISO 1938-2:2017; EN ISO 1938-2:2017)

HRN EN ISO 14405-3:2017 en pr
Geometrijske specifikacije proizvoda (GSP) – Tolerancije dimenzija – 3. dio: Veličine kuteva (ISO 14405-3:2016; EN ISO 14405-3:2017)
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 3: Angular sizes (ISO 14405-3:2016; EN ISO 14405-3:2017)

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

HRN EN 16573:2017 en pr
Ventilacija u zgradama – Ispitivanje značajka dijelova za stambene zgrade – Višenamjenske, uravnotežene ventilacijske jedinice za obiteljske kuće, uključujući dizalice topline (EN 16573:2017)
Ventilation for Buildings – Performance testing of components for residential buildings – Multifunctional balanced ventilation units for single family dwellings, including heat pumps (EN 16573:2017)

HZN/TO 554, Obrada otpadnih voda

HRN EN 1253-5:2017 en pr
Odvodi za zgrade – 5. dio: Slivnici sa zaporom za lake tekućine (EN 1253-5:2017)
Gullies for buildings – Part 5: Gullies with light liquids closure (EN 1253-5:2017)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN ISO 6553:2017 en pr
Automatski odvajači kondenzata – Označavanje (ISO 6553:2016; EN ISO 6553:2017)
Automatic steam traps – Marking (ISO 6553:2016; EN ISO 6553:2017)

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

HRN EN 13110:2017 en pr
Oprema i pribor za UNP – Prenosive, ponovno punjive, zavarene aluminijske boce za ukapljeni naftni plin (UNP) – Projektiranje i izrada (EN 13110:2012+A1:2017)
LPG equipment and accessories – Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) – Design and construction (EN 13110:2012+A1:2017)

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

HRN EN 14526:2017 en pr
Namirnice – Određivanje toksina iz grupe saksitoksina u školjkama – Metoda tekućinske kromatografije visokog učinka s predkolonskom derivatizacijom i peroksidnom ili perodatom oksidacijom (EN 14526:2017)
Foodstuffs – Determination of saxitoxin-group toxins in shellfish – HPLC method using pre-column derivatization with peroxide or periodate oxidation (EN 14526:2017)

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

HRN EN ISO 8936:2017 en pr
Tende za kampere – Zahtjevi i metode ispitivanja (ISO 8936:2017; EN ISO 8936:2017)
Awnings for leisure accommodation vehicles – Requirements and test methods (ISO 8936:2017; EN ISO 8936:2017)

HZN/TO E9, Električna oprema za željeznicu

HRI CLC/TR 50542-1:2017 en pr
Željeznički sustav - Upravljački uređaj zaslona u upravljačnici (TDC) - 1. dio: Opća arhitektura (CLC/TR 50542-1:2014)
Railway applications - Driver's cab train display controller (TDC) - Part 1: General architecture (CLC/TR 50542-1:2014)

HRI CLC/TR 50542-2:2017 en pr
Željeznički sustav - Upravljački uređaj zaslona u upravljačnici (TDC) - 2. dio: Sustavi zaslona FIS (CLC/TR 50542-2:2016)
Railway applications - Driver's cab Train Display Controller (TDC) - Part 2: Display systems FIS (CLC/TR 50542-2:2016)

HRI CLC/TR 50542-3:2017 en pr
Željeznički sustav - Upravljački uređaj zaslona u upravljačnici (TDC) - 3. dio: Ostali FIS sustavi na vlaku (CLC/TR 50542-3:2016)
Railway applications - Driver's cab train Display Controller (TDC) - Part 3: Other train systems FIS (CLC/TR 50542-3:2016)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN 62271-212:2017 en pr
Visokonaponska sklopna aparatura - 212. dio: Blokovi kompaktne izvedbe za distribucijske transformatorske stanice (CEADS) (IEC 62271-212:2016; EN 62271-212:2017)
High-voltage switchgear and controlgear - Part 212: Compact Equipment Assemblies for Distribution Substation (CEADS) (IEC 62271-212:2016; EN 62271-212:2017)

HZN/TO E20, Električni kabeli

HRS CLC/TS 50576:2017 en pr
Električni kabeli - Proširena primjena rezultata ispitivanja za reakciju na vatru (CLC/TS 50576:2016)
Electric cables - Extended application of test results for reaction to fire (CLC/TS 50576:2016)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60598-2-20:2015/Ispr.1:2017 en pr
Svjetiljke - Dio 2-20: Posebni zahtjevi - Svjetleći lanci (IEC 60598-2-20:2014/Corr.1:2016; EN 60598-2-20:2015/AC:2017)
Luminaires - Part 2-20: Particular requirements - Lighting chains (IEC 60598-2-20:2014/Corr.1:2016; EN 60598-2-20:2015/AC:2017)

HRN EN 60598-2-21:2015/Ispr.1:2017 en pr
Svjetiljke - Dio 2-21: Posebni zahtjevi - Svjetleća užad (IEC 60598-2-21:2014/Corr.1:2016; EN 60598-2-21:2015/AC:2017)
Luminaires - Part 2-21: Particular requirements - Rope lights (IEC 60598-2-21:2014/Corr.1:2016; EN 60598-2-21:2015/AC:2017)

HZN/TO E37, Odvodnici prenapona

HRS CLC/TS 61643-22:2017 en pr
Prenaponske zaštitne naprave za niski napon - 22. dio: Prenaponske zaštitne naprave spojene na telekomunikacijske i signalne mreže - Načela odabira i primjene (IEC 61643-22:2015, MOD; CLC/TS 61643-22:2016)
Low-voltage surge protective devices - Part 22: Surge protective devices connected to telecommunications and signalling networks - Selection and application principles (IEC 61643-22:2015, MOD; CLC/TS 61643-22:2016)

HZN/TO E45, Nuklearna instrumentacija

HRN EN 61005:2017 en pr
Instrumentacija u zaštiti od zračenja - Mjerila neutronske doznog ekvivalenta i brzine doznog ekvivalenta u okolini (IEC 61005:2014; EN 61005:2017)
Radiation protection instrumentation - Neutron ambient dose equivalent (rate) meters (IEC 61005:2014; EN 61005:2017)

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

HRN EN 62320-2:2017 en pr
Pomorska navigacijska i radiokomunikacijska oprema i sustavi - Sustav automatske identifikacije (AIS) - 2. dio: AIS postaje za pomoćna navigacijska sredstva - Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 62320-2:2016; EN 62320-2:2017)
Maritime navigation and radiocommunication equipment and systems - Automatic identification system (AIS) - Part 2: AIS AtoN Stations - Operational and performance requirements, methods of testing and required test results (IEC 62320-2:2016; EN 62320-2:2017)

HRN EN 62940:2017 en pr
Pomorska navigacijska i radiokomunikacijska oprema i sustavi - Integrirani komunikacijski sustav (ICS) - Radni i izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 62940:2016; EN 62940:2017)
Maritime navigation and radiocommunication equipment and systems - Integrated communication system (ICS) - Operational and performance requirements, methods of testing and required test results (IEC 62940:2016; EN 62940:2017)

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

HRN EN 61557-9:2015/Ispr.2:2017 en pr
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjernje struje - Oprema za ispitivanje, mjerenje ili nadzor stupnjeva zaštite - 9. dio: Oprema za određivanje mjesta loše izolacije u IT sustavima (IEC 61557-9:2014/Corr.2:2017; EN 61557-9:2015/AC:2017)
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 9: Equipment for insulation fault location in IT systems (IEC 61557-9:2014/Corr.2:2017; EN 61557-9:2015/AC:2017)

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

HRN EN 62680-1-2:2017 en pr
Universal Serial Bus interfaces for data and power - Part 1-2: Common components - USB Power Delivery Specification (IEC 62680-1-2:2016; EN 62680-1-2:2017)

HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

HRN EN 62226-3-1:2008/A1:2017 en pr
Izloženost električnim ili magnetskim poljima u niskome i srednjem frekvencijskom području - Metode za proračun gustoće struje i unutrašnjeg električnog polja induciranog u ljudskome tijelu - Dio 3-1: Izloženost električnim poljima - Analitički i 2D (dvodimenzionalni) numerički modeli (IEC 62226-3-1:2007/am1:2016; EN 62226-3-1:2007/A1:2017)
Exposure to electric or magnetic fields in the low and intermediate frequency range - Methods for calculating the current density and internal electric field induced in the human body - Part 3-1: Exposure to electric fields - Analytical and 2D numerical models (IEC 62226-3-1:2007/am1:2016; EN 62226-3-1:2007/A1:2017)

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

HRN EN 60065:2015/Ispr.2:2017 en pr
Audio, video i slični elektronički uređaji - Sigurnosni zahtjevi (IEC 60065:2014/Corr.2:2016; EN 60065:2014/AC:2017)
Audio, video and similar electronic apparatus - Safety requirements (IEC 60065:2014/Corr.2:2016; EN 60065:2014/AC:2017)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 61000-4-30:2015/Ispr.1:2017 en pr
Elektromagnetska kompatibilnost (EMC) - Dio 4-30: Ispitne i mjerne tehnike - Metode mjerenja kvalitete električne energije (IEC 61000-4-30:2015/Corr.1:2016; EN 61000-4-30:2015/AC:2017)
Electromagnetic compatibility (EMC) - Part 4-30: Testing and measurement techniques - Power quality measurement methods (IEC 61000-4-30:2015/Corr.1:2016; EN 61000-4-30:2015/AC:2017)

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN 61094-3:2016/Ispr.1:2017 en pr
Elektroakustika - Mjerni mikrofoni - 3. dio: Apsolutno umjeravanje laboratorijskih etalonskih mikrofona metodom recipročnosti u slobodnom polju (IEC 61094-3:2016/Corr.1:2016; EN 61094-3:2016/AC:2017)
Electroacoustics - Measurement microphones - Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-3:2016/Corr.1:2016; EN 61094-3:2016/AC:2017)

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

HRN EN 16992:2017 en pr
Osposobljenost carinskih zastupnika (EN 16992:2017)
Competency for Customs Representatives (EN 16992:2017)

HZN/TU I2, *Strojarstvo 2*

HRN EN 12976-1:2017 en pr
Toplinski sustavi Sunčeva zračenja i komponente – Tvornički izrađeni sustavi – 1. dio: Opći zahtjevi (EN 12976-1:2017)
Thermal solar systems and components – Factory made systems – Part 1: General requirements (EN 12976-1:2017)

HRN EN 12976-2:2017 en pr
Toplinski sustavi Sunčeva zračenja i komponente – Tvornički izrađeni sustavi – 2. dio: Metode ispitivanja (EN 12976-2:2017)
Thermal solar systems and components – Factory made systems – Part 2: Test methods (EN 12976-2:2017)

HRN EN ISO 15236-2:2017 en pr
Transportne trake s čeličnom užadi – 2. dio: Preporučeni tipovi traka (ISO 15236-2:2017; EN ISO 15236-2:2017)
Steel cord conveyor belts – Part 2: Preferred belt types (ISO 15236-2:2017; EN ISO 15236-2:2017)

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

HRN EN ISO 7199:2017 en pr
Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) (ISO 7199:2016; EN ISO 7199:2017)
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2016; EN ISO 7199:2017)

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

HRN EN 2879:2017 en pr
Zrakoplovstvo – Matice, sidrene, samozatvarajuće, stabilne na zraku, brtvene, slobodne, dvokrilne, s upustom, od pasiviziranog čelika otpornog na koroziju, podmazane s MoS₂ – Klasifikacija: 900 MPa (pri temperaturi okoline)/235 °C (EN 2879:2017)
Aerospace series – Nuts, anchor, self-locking, air resistant, sealing, floating, two lug, with counterbore, in corrosion resisting steel, passivated, MoS₂ lubricated – Classification: 900 MPa (at ambient temperature)/235 °C (EN 2879:2017)

HRN EN 3908:2017 en pr
Zrakoplovstvo – Cijevni priključci, podmazujući, aksijalnog tipa, od pasiviziranog čelika otpornog na koroziju (EN 3908:2017)
Aerospace series – Nipples, lubricating, axial type, in corrosion resisting steel, passivated (EN 3908:2017)

HRN EN 4072:2016/Ispr.1:2017 en pr
Zrakoplovstvo – Vijci, sa 100° upuštenom normalnom glavom, s ujednačenim križnim urezom, normalnog struka uske tolerancije, kratkog navoja, od legure titana, prevučeni IVD aluminijem – Klasifikacija: 1100 MPa (pri temperaturi okoline) / 425 °C (EN 4072:2016/AC:2017)
Aerospace series – Screws, 100° countersunk normal head, offset cruciform recess, close tolerance shank, short thread in titanium alloy, aluminium IVD coated – Classification: 1 100 MPa (at ambient temperature) / 425 °C (EN 4072:2016/AC:2017)

HRN EN 4178:2017 en pr
Zrakoplovstvo – Vijci, s ravnom glavom, imbus vijak sa šesterokutnom glavom, normalnog struka grube tolerancije, srednje dužine navoja, od legure titana, anodizirani, podmazani s MoS₂ – Klasifikacija: 1 100 MPa (pri temperaturi okoline)/315 °C (EN 4178:2017)
Aerospace series – Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS₂ lubricated – Classification: 1 100 MPa (at ambient temperature)/315 °C (EN 4178:2017)

HRN EN 4297:2017 en pr
Zrakoplovstvo – Matice, šesterokutne, samozatvarajuće s plastičnim prstenom, normalne visine, normalnoga ravnog presjeka, od pasiviziranog čelika otpornog na koroziju – Klasifikacija: 900 MPa (pri temperaturi okoline)/120 °C (EN 4297:2017)
Aerospace series – Nuts, hexagon, self-locking by plastic ring, normal height, normal across flats, in corrosion resisting steel, passivated – Classification: 900 MPa (at ambient temperature)/120 °C (EN 4297:2017)

HZN/TU U1, *Opća elektrotehnika 1*

HRN EN 60404-1:2017 en pr
Magnetski materijali – 1. dio: Klasifikacija (IEC 60404-1:2016; EN 60404-1:2017)
Magnetic materials – Part 1: Classification (IEC 60404-1:2016; EN 60404-1:2017)

HRN EN 61360-6:2017 en pr
Standardni tipovi elemenata podataka s pripadajućom klasifikacijskim sustavom za električne komponente – 6. dio: Smjernice za kvalitetu IEC-ovog rječnika zajedničkih podataka (IEC CDD) (IEC 61360-6:2016; EN 61360-6:2017)
Standard data element types with associated classification scheme for electric components – Part 6: IEC Common Data Dictionary (IEC CDD) quality guidelines (IEC 61360-6:2016; EN 61360-6:2017)

HZN/TU V1, *Elektronika 1*

HRN EN 60384-24:2016/Ispr.1:2017 en pr
Fixed capacitors for use in electronic equipment – Part 24: Sectional specification – Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte (IEC 60384-24:2015/Corr.1:2016; EN 60384-24:2015/AC:2017)

HRN EN 61240:2017 en pr
Piezoelectric devices – Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection – General rules (IEC 61240:2016; EN 61240:2017)

HRN EN 61605:2017 en pr
Fixed inductors for use in electronic and telecommunication equipment – Marking codes (IEC 61605:2016; EN 61605:2017)

HRN EN 62228-2:2017 en pr
Integrated circuit – EMC Evaluation of transceivers – Part 2: LIN transceivers (IEC 62228-2:2016; EN 62228-2:2017)

HZN/TU W1, *Energetska elektrotehnika 1*

HRS CLC/TS 50612:2017 en pr
Prijenosna električna oprema za mjerenje parametara dimnih plinova izgaranja – Vodič za njezinu primjenu u postupku puštanja u pogon, popravaka i održavanja uređaja u kojima izgara plin (CLC/TS 50612:2016)
Portable electrical apparatus for the measurement of combustion flue gas parameters – Guide to their use in the process of commissioning, servicing and maintaining gas fired appliances (CLC/TS 50612:2016)

HRN EN 62282-6-200:2017 en pr
Tehnologija gorivih članaka – Dio 6-200: Energetski sustavi s gorivim mikročlancima – Metode ispitivanja značajki (IEC 62282-6-200:2016; EN 62282-6-200:2017)
Fuel cell technologies – Part 6-200: Micro fuel cell power systems – Performance test methods (IEC 62282-6-200:2016; EN 62282-6-200:2017)

HRN EN 62841-3-4:2016/Ispr.1:2017 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-4: Posebni zahtjevi za prijenosne stolne brusilice (IEC 62841-3-4:2016/Corr.1:2016; EN 62841-3-4:2016/AC:2017)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders (IEC 62841-3-4:2016/Corr.1:2016; EN 62841-3-4:2016/AC:2017)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

prEN 17085 en
Paper and board – Sampling procedures for paper and board for recycling

HZN/TO 8, *Brodogradnja*

ISO 22472:2016 en
Ships and marine technology – Guidelines for the operation and installation of voyage data recorder (VDR)
Brodovi i pomorska tehnologija – Smjernice za rad i ugradnju zapisivača podataka o putovanju broda (VDR)

HZN/TO 21, *Protupožarna i vatrogasna oprema*

prEN 16712-4 en
Portable equipment for projecting extinguishing agents supplied by firefighting pumps – Portable foam generators – Part 4: High expansion foam generators PN16

HZN/TO 25, *Ljevarstvo*

prEN 10340-1 en
Steel castings for structural uses – Part 1: General
Čelični odljevci za konstrukcije – 1. dio: Općenito

prEN 10340-2 en
Steel castings for structural uses – Part 2: Technical delivery conditions
Čelični odljevci za konstrukcije – 2. dio: Tehnički uvjeti isporuke

HZN/TO 28, *Naftni proizvodi i maziva*

prEN ISO 20623 en
Petroleum and related products – Determination of the extreme-pressure and anti-wear properties of fluids – Four ball method (European conditions) (ISO/DIS 20623:2017)
Nafta i srodni proizvodi – Određivanje svojstava podnošenja visokih tlakova i otpornosti na trošenje tekućina – Metoda četiri kuglice (ISO/DIS 20623:2017)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

prEN ISO 34101-4 en
Sustainable and traceable cocoa beans – Part 4: Requirements for certification schemes (ISO/DIS 34101-4:2017)

HZN/TO 35, *Boje i lakovi*

prEN ISO 10927 en
Plastics – Determination of the molecular mass and molecular mass distribution of polymer species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) (ISO/DIS 10927:2017)
Plastika – Određivanje molekularne mase i raspodjele molekularne mase polimernih vrsta matricom pomoću laserske desorpcije/ionizacije vremenske masene spektroskopije (MALDI-TOF-MS) (ISO/DIS 10927:2017)

HZN/TO 37, *Terminologija*

ISO/FDIS 18587 en
Translation services – Post-editing of machine translation output – Requirements
Usluge pismenog prevođenja – Naknadno uređivanje strojno prevedenog teksta – Zahtjevi

HZN/TO 43, *Akustika*

EN ISO 11200:2014/prA1 en
Acoustics – Noise emitted by machinery and equipment – Guidelines for the use of basic standards for the determination of emission sound pressure levels at a work station and at other specified positions (ISO 11200:2014/DAmD 1:2017)
Akustika – Buka koju emitiraju strojevi i oprema – Smjernice za uporabu temeljnih norma za određivanje razina zvučnoga tlaka emisije na radnome mjestu i na drugim specificiranim mjestima (ISO 11200:2014/DAmD 1:2017)

HZN/TO 44, *Zavarivanje i srodni postupci*

prEN ISO 14918 en
Thermal spraying – Qualification testing of thermal sprayers (ISO/DIS 14918:2017)
Toplinsko naštrecavanje – Provjera osposobljenosti operatera za toplinsko naštrecavanje (ISO/DIS 14918:2017)

prEN ISO 17836 en
Thermal spraying – Determination of the deposition efficiency for thermal spraying (ISO/DIS 17836:2017)
Toplinsko naštrecavanje – Određivanje učinkovitosti nanošenja pri toplinskom naštrecavanju (ISO/DIS 17836:2017)

HZN/TO 71, *Beton*

prEN 934-6 en
Admixtures for concrete, mortar and grout – Part 6: Sampling, assessment and verification of the constancy of performance
Dodaci betonu, mortu i mortu za injektiranje – 6. dio: Uzorkovanje, ocjenjivanje i provjera stalnosti svojstava

prEN 13791 en
Assessment of in-situ compressive strength in structures and precast concrete components
Ocjena in-situ tlačne čvrstoće u konstrukcijama i predgotovljenim betonskim dijelovima

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

prEN 14276-1 en
Pressure equipment for refrigerating systems and heat pumps – Part 1: Vessels – General requirements
Tlačna oprema za rashladne sustave i dizalice topline – 1. dio: Posude – Opći zahtjevi

prEN 14276-2 en
Pressure equipment for refrigerating systems and heat pumps – Part 2: Piping – General requirements
Tlačna oprema za rashladne sustave i dizalice topline – 2. dio: Cjevovodi – Opći zahtjevi

prEN 14825 en
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajka

HZN/TO 92, *Zaštita od požara*

prEN 15269-1 en
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 1: General requirements
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 1. dio: Opći zahtjevi

HZN/TO 134, *Gnojiva i poboljšivači tla*

prEN 17090 en
Fertilizers – Determination of nitrification inhibitor DMPSA in fertilizers – Method using high-performance liquid chromatography (HPLC)

HZN/TO 145, *Grafički simboli*

EN ISO 7010:2012/prA7 en
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 7:2016)
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 7:2016)

HZN/TO 147, *Kvaliteta vode*

- prEN ISO 7393-2 en
Water quality – Determination of free chlorine and total chlorine – Part 2: Colorimetric method using N,N-diethyl-1,4-phenylenediamine, for routine control purposes (ISO/DIS 7393-2:2017)
Kvaliteta vode – Određivanje slobodnoga i ukupnoga klora – 2. dio: Kolorimetrijska metoda s N,N-dietil-1,4-fenilendianinom u svrhu rutinske kontrole (ISO/DIS 7393-2:2017)

HZN/TO 172, *Optika i optički instrumenti*

- prEN ISO 11979-7 en
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations of intraocular lenses for the correction of aphakia (ISO/DIS 11979-7:2017)
- prEN ISO 11979-10 en
Ophthalmic implants – Intraocular lenses – Part 10: Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes (ISO/DIS 11979-10:2017)
- prEN ISO 11981 en
Ophthalmic optics – Contact lenses and contact lens care products – Determination of physical compatibility of contact lens care products with contact lenses (ISO/DIS 11981:2017)
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Utvrđivanje fizikalne usklađenosti proizvoda za održavanje kontaktnih leća s kontaktnim lećama (ISO/DIS 11981:2017)

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

- prEN 13015 en
Maintenance for lifts and escalators – Rules for maintenance instructions
Održavanje dizala i pokretnih stuba – Pravila za izradu uputa za održavanje

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

- prEN 17072 en
Child care articles – Bath tubs and stands – Safety requirements and test methods

HZN/TO 190, *Kvaliteta tla*

- ISO 18400-101:2017 en
Soil quality – Sampling – Part 101: Framework for the preparation and application of a sampling plan
Kvaliteta tla – Uzorkovanje – 101. dio: Okvir za pripremu i provedbu plana uzorkovanja
- ISO 18400-102:2017 en
Soil quality – Sampling – Part 102: Selection and application of sampling techniques
Kvaliteta tla – Uzorkovanje – 102. dio: Odabir i primjena metoda uzorkovanja
- ISO 18400-103:2017 en
Soil quality – Sampling – Part 103: Safety
Kvaliteta tla – Uzorkovanje – 103. dio: Sigurnost
- ISO 18400-105:2017 en
Soil quality – Sampling – Part 105: Packaging, transport, storage and preservation of samples
Kvaliteta tla – Uzorkovanje – 105. dio: Pakiranje, transport, skladištenje i čuvanje uzoraka
- ISO 18400-107:2017 en
Soil quality – Sampling – Part 107: Recording and reporting
Kvaliteta tla – Uzorkovanje – 107. dio: Bilježenje i izvještavanje
- ISO 18400-204:2017 en
Soil quality – Sampling – Part 204: Guidance on sampling of soil gas
Kvaliteta tla – Uzorkovanje – 204. dio: Upute za uzorkovanje plina u tlu

HZN/TO 238, *Čvrsta biogoriva*

- prEN ISO 20023 en
Solid biofuels – Safety of solid biofuel pellets – Safe handling and storage of wood pellets in residential and other small-scale applications (ISO/DIS 20023:2017)

HZN/TO 503, *Metalni materijali*

- prEN ISO 377 en
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO/FDIS 377:2017)
Čelik i čelični proizvodi – Položaj i priprema uzoraka i ispitnih uzoraka za mehanička ispitivanja (ISO/FDIS 377:2017)
- prEN 12861 en
Copper and copper alloys – Scrap
Bakar i bakrene legure – Metalni otpadak
- prEN ISO 15630-1 en
Steel for the reinforcement and prestressing of concrete – Test methods – Part 1: Reinforcing bars, wire rod and wire (ISO/DIS 15630-1:2017)
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 1. dio: Armатурne šipke, valjana žica i žica (ISO/DIS 15630-1:2017)
- prEN ISO 15630-2 en
Steel for the reinforcement and prestressing of concrete – Test methods – Part 2: Welded fabric and lattice girder (ISO/DIS 15630-2:2017)
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 2. dio: Zavarene mreže (ISO/DIS 15630-2:2017)
- prEN ISO 15630-3 en
Steel for the reinforcement and prestressing of concrete – Test methods – Part 3: Prestressing steel (ISO/DIS 15630-3:2017)
Čelik za armiranje i prednapinjanje betona – Metode ispitivanja – 3. dio: Čelik za prednapinjanje (ISO/DIS 15630-3:2017)

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

- prEN ISO 11130 en
Corrosion of metals and alloys – Alternate immersion test in salt solution (ISO/DIS 11130:2017)
Korozija metala i legura – Ispitivanje izmjeničnim uranjanjem u otopinu soli (ISO/DIS 11130:2017)
- prEN ISO 16151 en
Corrosion of metals and alloys – Accelerated cyclic tests with exposure to acidified salt spray, “dry” and “wet” conditions (ISO/DIS 16151:2017)
Korozija metala i legura – Ubrzana ciklička ispitivanja uz izlaganje prskanju zakiseljenom slanom otopinom, “suhi” i “vlažni” uvjeti (ISO/DIS 16151:2017)

HZN/TO 517, *Posebne vrste konstrukcija*

- prEN 15129 en
Anti-seismic devices
Protupotesne naprave
- prEN 15512 en
Steel static storage systems – Adjustable pallet racking systems – Principles for structural design
Čelični nepokretni skladišni sustavi – Podesivi sustavi polica za palete – Načela za projektiranje

HZN/TO 518, *Podovi, stropovi i zidne obloge*

- prEN 13813 en
Screed material and floor screeds – Screed material – Properties and requirements
Materijal za in situ podove (estrihe) i in situ podovi (estrisi) – Materijal za in situ podove (estrihe) – Svojstva i zahtjevi
- prEN 13892-9 en
Methods of test for screed materials – Part 9: Determination of shrinkage and swelling
Metode ispitivanja za materijale za in situ podove (estrihe) – 9. dio: Određivanje skupljanja i bubrenja

HZN/TO 524, *Inteligentni transportni sustavi*

- prEN ISO 16407-1 en
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-1 – Part 1: Test suite structure and test purposes (ISO/DIS 16407-1:2017)
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s ISO/TS 17575-1 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO/DIS 16407-1:2017)

prEN ISO 25110 en

Electronic fee collection – Interface definition for on-board account using integrated circuit card (ICC) (ISO/DIS 25110)
Elektronička naplata – Sučelje za naplatu unutar vozila uporabom elektroničke kartice (ISO/DIS 25110)

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

EN 492:2012+A1:2016/prA2 en

Fibre-cement slates and fittings – Product specification and test methods
Ploče i pomoćni dijelovi od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja

EN 12467:2012+A1:2016/prA2 en

Fibre-cement flat sheets – Product specification and test methods
Ravne ploče od cementa ojačanog vlaknima – Specifikacija proizvoda i metode ispitivanja

HZN/TO 528, Oprema za željeznice

prEN 13146-1 en

Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 1. dio: Određivanje otpora uzdužnomu pomicanju tračnice

prEN 13146-7 en

Railway applications – Track – Test methods for fastening systems – Part 7: Determination of clamping force and uplift stiffness

prEN 13979-1 en

Railway applications – Wheelsets and bogies – Monobloc wheels – Design assessment procedure – Part 1: Forged and rolled wheels
Željeznički sustav – Osovinski sklopovi i okretna postolja – Monoblok kotači – Postupak tehničkog odobravanja – 1. dio: Kovani i valjani kotači

prEN 16729-4 en

Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 4: Qualification of personnel for non-destructive testing on rails

prEN 17084 en

Railway applications – Fire protection in railway vehicles – Toxicity test of materials and components

HZN/TO 531, Plastika i guma

prEN ISO 14852 en

Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium – Method by analysis of evolved carbon dioxide (ISO/DIS 14852:2017)
Određivanje konačne aerobne biorazgradljivosti plastičnih materijala u vodenom mediju – Metoda analize nastalog ugljikovog dioksida (ISO/DIS 14852:2017)

prEN ISO 21309-1 en

Plastics – Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 21309-1:2017)

prEN ISO 21970-1 en

Plastics – Polyketone (PK) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO/DIS 21970-1:2017)

prEN ISO 21970-2 en

Plastics – Polyketone (PK) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO/DIS 21970-2:2017)

HZN/TO 534, Spremnici za teret

prEN ISO 21012 en

Cryogenic vessels – Hoses (ISO/DIS 21012:2017)
Kriogenične posude – Crijeva (ISO/DIS 21012:2017)

HZN/TO 535, Agregati

prEN 13383-2 en

Armourston – Part 2: Test methods
Kamenozaštite – 2. dio: Metode ispitivanja

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

prEN ISO 14978 en

Geometrical product specifications (GPS) – General concepts and requirements for GPS measuring equipment (ISO/DIS 14978:2017)

Geometrijske specifikacije proizvoda (GSP) – Opći koncepti i zahtjevi za GSP mjernu opremu (ISO/DIS 14978:2017)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

EN 12791:2016/prA1:2017 en

Chemical disinfectants and antiseptics – Surgical hand disinfection – Test method and requirements (phase 2, step 2)
Kemijski dezinficijensi i antiseptici – Kirurška dezinfekcija ruku – Metoda ispitivanja i zahtjevi (faza 2/korak 2)

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

prEN 13053 en

Ventilation for buildings – Air handling units – Rating and performance for units, components and sections
Ventilacija u zgradama – Centralne jedinice za pripremu zraka – Podjela i značajke jedinica, dijelova i sekcija

HZN/TO 544, Strojni elementi

prEN ISO 898-3 en

Mechanical properties of fasteners made of carbon steel and alloy steel – Part 3: Washers (ISO/DIS 898-3:2017)
Mehanička svojstva spojnih elemenata izrađenih od ugljičnih i legiranih čelika – 3. dio: Podložne pločice (ISO/DIS 898-3:2017)

HZN/TO 550, Opskrba vodom

prEN 17093 en

Domestic appliances used for drinking water treatment not connected to water supply – Jug water filter systems – Safety and performance requirements, labeling and information to be supplied

HZN/TO 557, Zaštitna odjeća

prEN 13158 en

Protective clothing – Protective jackets, body and shoulder protectors for equestrian use, for horse riders and those working with horses, and for horse drivers – Requirements and test methods

Zaštitna odjeća – Zaštitne jakne, štitnici tijela i ramena za jahanje: za jahače konja, za osobe koje rade s konjima i one koji se voze u konjskim zapregama – Zahtjevi i metode ispitivanja

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

prEN ISO 4126-2 en

Safety devices for protection against excessive pressure – Part 2: Bursting disc safety devices (ISO/DIS 4126-2:2017)
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 2. dio: Sigurnosni uređaji temeljeni na membranskom disku (ISO/DIS 4126-2:2017)

HZN/TO 560, Tekstilni proizvodi

prEN ISO 12138 en

Textiles – Domestic laundering procedures for textile fabrics prior to flammability testing (ISO/DIS 12138:2017)
Tekstil – Postupci pranja u kućanstvu za tekstilne proizvode prije ispitivanja gorivosti (ISO/DIS 12138:2017)

prEN ISO 15797 en

Textiles – Industrial washing and finishing procedures for testing of work wear (ISO/DIS 15797:2017)
Tekstil – Postupci industrijskog pranja i oplemenjivanja za ispitivanje radne odjeće (ISO/DIS 15797:2017)

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

EN ISO 11118:2015/prA1 en

Gas cylinders – Non-refillable metallic gas cylinders – Specification and test methods (ISO 11118:2015/DAmD 1:2017)
Plinske boce – Jednokratno punjive metalne plinske boce – Specifikacija i metode ispitivanja (ISO 11118:2015/DAmD 1:2017)

EN 13480-2:2012/prA8 en
Metallic industrial piping – Part 2: Materials
Metalni industrijski cjevovodi – 2. dio: Materijali

HZN/TO 563, Sigurnost strojeva

prEN 15597-1 en
Winter maintenance equipment – Spreading machines (gritting machines) – Part 1: General requirements and definitions for spreading machines
Oprema za zimsko održavanje – Ralice (strojevi za posipavanje) – 1. dio: Opći zahtjevi i definicije za ralice

prEN 15597-2 en
Winter maintenance equipment – Spreading machines (gritting machines) – Part 2: Requirements for distribution and their test

HZN/TO E9, Električna oprema za željeznicu

EN 50122-1:2011/A4:2017 en
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock
Željeznički sustav – Stabilna postrojenja – Električna sigurnost, uzemljivanje i povratni krug – 1. dio: Zaštitne mjere protiv električnog udara

EN 50153:2014/FprA1 en
Railway applications – Rolling stock – Protective provisions relating to electrical hazards
Željeznički sustav – Željeznička vozila – Odredbe o zaštiti od opasnosti od električnog udara

HZN/TO E11, Nadzemni vodovi

EN 50341-2-13:2017 en
Overhead electrical lines exceeding AC 1 kV – Part 2-13: National Normative Aspects (NNA) for ITALY (based on EN 50341-1:2012)
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-13: Nacionalni normativni aspekti (NNA) za Italiju (na temelju EN 50341-1:2012)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

prEN 60370:2017 en
Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes – Electric breakdown methods (IEC 60370:201X)

HZN/TO E23, Električni instalacijski pribor

prEN 50626-1:2017 en
Conduit systems buried underground for the protection and management of insulated electrical cables or communication cables – Part 1: General requirements

prEN 50626-2:2017 en
Conduit systems buried underground for the protection and management of insulated electrical cables or communication cables – Part 2: Particular requirements for conduits for special applications

prEN 60320-2-1:2017 en
Appliance couplers for household and similar general purposes – Part 2-1: Sewing machine couplers (IEC 60320-2-1:201X)
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-1: Utični pribor za šivalice (IEC 60320-2-1:201X)

prEN 60320-2-3:2017 en
Appliance couplers for household and similar general purposes – Part 2-3: Appliance couplers with a degree of protection higher than IPX0 (IEC 60320-2-3:201X)
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-3: Aparatni utični pribor sa stupnjem zaštite višim od IPX0 (IEC 60320-2-3:201X)

prEN 60320-2-4:2017 en
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:201X)
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični pribor ovisan o težini aparata za uticanje (IEC 60320-2-4:201X)

prEN 60799:2017 en
Electrical accessories – Cord sets and interconnection cord sets (IEC 60799:201X)
Električni pribor – Priključni gipki vodovi i međupriključni gipki vodovi (IEC 60799:201X)

prEN 62986:2017 en
Plugs, socket-outlets and couplers with arcuate contacts (IEC 62986:201X)

HZN/TO E37, Odvodnici prenapona

prEN 60099-8:2017 en
Surge arresters – Part 8: Metal-oxide surge arresters with external series gap (EGLA) for overhead transmission and distribution lines of a.c. systems above 1 kV (IEC 60099-8:201X)
Odvodnici prenapona – 8. dio: Metaloksidni odvodnici prenapona s vanjskim serijskim iskrištem (EGLA) za nadzemne prijenosne i distribucijske vodove sustava izmjenične struje napona većeg od 1 kV (IEC 60099-8:201X)

HZN/TO E45, Nuklearna instrumentacija

prEN 61577-2 en
Radiation protection instrumentation – Radon and radon decay product measuring instruments – Part 2: Specific requirements for 222Rn and 220Rn measuring instruments (IEC 61577-2:2014)
Instrumentacija u zaštiti od zračenja- Mjerni uređaji za mjerenje radona i njegovih potomaka - 2. dio Posebni zahtjevi za mjerne uređaje koji mjere 222Rn i 220Rn (IEC 61577-2:2014)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

prEN 61968-11:2017 en
Application integration at electric utilities – System interfaces for distribution management – Part 11: Common information model (CIM) extensions for distribution (IEC 61968-11:201X)
Integracija aplikacija u elektroprivredi – Sučelja za sustave upravljanja u distribuciji – 11. dio: Proširenja zajedničkog modela podataka (CIM) za distribuciju (IEC 61968-11:201X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

EN 60335-2-12:2003/prA2:2017 en
Household and similar electrical appliances – Safety – Part 2-12: Particular requirements for warming plates and similar appliances (IEC 60335-2-12:2002/am2:201X)
Kućanski i slični električni aparati – Sigurnost – Dio 2-12: Posebni zahtjevi za tople ploče i slične aparate (IEC 60335-2-12:2002/am2:201X)

EN 60335-2-14:2006/prAD:2017 en
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines
Kućanski i slični električni aparati – Sigurnost – Dio 2-14: Posebni zahtjevi za kuhinjske strojeve

EN 60335-2-52:2003/prA2:2017 en
Household and similar electrical appliances – Safety – Part 2-52: Particular requirements for oral hygiene appliances (IEC 60335-2-52:2002/am2:201X)
Kućanski i slični električni aparati – Sigurnost – Dio 2-52: Posebni zahtjevi za aparate za higijenu usta (IEC 60335-2-52:2002/am2:201X)

prEN 60335-2-60:2017 en
Household and similar electrical appliances – Safety – Part 2-60: Particular requirements for whirlpool baths and whirlpool spas (IEC 60335-2-60:201X)
Kućanski i slični električni aparati – Sigurnost – Dio 2-60: Posebni zahtjevi za vrtložne kupke (IEC 60335-2-60:201X)

EN 60335-2-78:2003/prA2:2017 en
Household and similar electrical appliances – Safety – Part 2-78: Particular requirements for outdoor barbecues (IEC 60335-2-78:2002/am2:201X)
Kućanski i slični električni aparati – Sigurnost – Dio 2-78: Posebni zahtjevi za zračeće roštilje za uporabu na otvorenom (IEC 60335-2-78:2002/am2:201X)

EN 60335-2-85:2003/prA2:2017 en
Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers (IEC 60335-2-85:2002/am2:201X)
Kućanski i slični električni aparati – Sigurnost – Dio 2-85: Posebni zahtjevi za parne aparate za tkanine (IEC 60335-2-85:2002/am2:201X)

HZN/TO E62, Električna oprema u medicinskoj praksi

FprEN 50637:2017 en
Medical electrical equipment – Particular requirements for the basic safety and essential performance of medical beds for children

HZN/TO E79, Alarmni sustavi

prEN 62676-5:2017 en
Video surveillance systems for use in security applications – Part 5: Data specifications and image quality performance for camera devices (IEC 62676-5:201X)
Sustavi video nadzora za uporabu u primjenama zaštite – 5. dio: Specifikacije podataka i izvedba kvalitetne slike za kamere (IEC 62676-5:201X)

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

prEN 61557-12:2017 en
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 12: Power metering and monitoring devices (PMD) (IEC 61557-12:201X)
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1 000 V izmjenične struje i 1 500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 12. dio: Uređaji za mjerenje i praćenje snage (PMD) (IEC 61557-12:201X)

HZN/TO E88, Vjetroagregati

EN 61400-11:2013/prA1:2017 en
Wind energy generation systems – Part 11: Acoustic noise measurement techniques (IEC 61400-11:2012/am1:201X)
Vjetroagregati – 11. dio: Postupci mjerenja akustične buke (IEC 61400-11:2012/am1:201X)

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

prEN 63005-1:2017 en
Event video data recorder for road vehicle accidents – Part 1: Basic requirements (IEC 63005-1:201X)

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

EN 60065:2014/A11:2017 en
Audio, video and similar electronic apparatus – Safety requirements
Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi

EN 62368-1:2014/A11:2017 en
Audio/video, information and communication technology equipment – Part 1: Safety requirements
Oprema audio/video, informacijske i komunikacijske tehnologije – Zahtjevi sigurnosti

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 422-4 V2.0.2:2017 en
Wireless Microphones – Audio PMSE up to 3 GHz – Part 4: Assistive Listening Devices including personal sound amplifiers and inductive systems up to 3 GHz – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Bežični mikrofoni – Audio PMSE do 3 GHz – 4. dio: Pomoćni uređaji za slušanje uključujući osobna zvučna pojačala i induktivne sustave do 3 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članaka 3.2 i 3.3(g) Direktive 2014/53/EU

Draft EN 302 288 V1.1.0:2017 en
Short Range Devices – Transport and Traffic Telematics (TTT) – Ultra-wideband radar equipment operating in the 24,25 GHz to 26,65 GHz range Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Uređaji kratkoga dometa (SRD) – Cestovni prijevoz i prometna telematika (TTT) – Ultra širokopojasna radarska oprema u frekvencijskom području od 24,25 GHz do 26,65 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 303 402 V2.1.0:2017 en
Maritime mobile transmitters and receivers for use in the MF and HF bands – Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of Directive 2014/53/EU
Pomorski pokretni odašiljači i prijamnici za uporabu u MF i HF pojasima – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članaka 3.2 i 3.3(g) Direktive 2014/53/EU

HZN/TO Z1, Informacijska tehnologija

ISO/IEC 7480:1991 en
Information technology – Telecommunications and information exchange between systems – Start-stop transmission signal quality at DTE/DCE interfaces
Informacijska tehnologija – Telekomunikacije i razmjena informacija između sustava – Kvaliteta signala start-stop prijenosa na DTE/DCE sučeljima

HZN/TU B1, Graditeljstvo 1

prEN 13200-1 en
Spectator facilities – Part 1: General characteristics for spectator viewing area
Gledališta – 1. dio: Opće značajke prostora za gledatelje

prEN 17087 en
Construction products – Assessment of release of dangerous substances – Preparation of test portions from the laboratory sample for testing of release and analysis of content
Građevni proizvodi – Procjena otpuštanja opasnih tvari – Priprema ispitnih dijelova laboratorijskog uzorka za ispitivanje otpuštanja i analizu sadržaja

HZN/TU F1, Osnovne norme 1

prEN 1143-1 en
Secure storage units – Requirements, classification and methods of test for resistance to burglary – Part 1: Safes, ATM safes, strongroom doors and strongrooms
Jedinice za sigurno pohranjivanje – Zahtjevi, klasifikacija i metode ispitivanja otpornosti na provalu – 1. dio: Sefovi, sefovi bankomata, trezorska vrata i trezori

prEN 1300 en
Secure storage units – Classification for high security locks according to their resistance to unauthorized opening
Jedinice za sigurno pohranjivanje – Klasifikacija brava visoke sigurnosti prema njihovoj otpornosti na neovlašteno otvaranje

HZN/TU I1, Strojarstvo 1

EN 15895:2011/FprA1 en
Cartridge operated hand-held tools – Safety requirements – Fixing and hard marking tools
Nabojem pogonjeni ručni alati – Sigurnosni zahtjevi – Alati za pričvršćivanje i označavanje

HZN/TU I2, Strojarstvo 2

EN ISO 703:2017 en
Conveyor belts – Transverse flexibility (troughability) – Test method (ISO 703:2017)
Transportne trake – Poprečna savitljivost – Metoda ispitivanja (ISO 703:2017)

HZN/TU M1, Metalni materijali 1

prEN ISO 4496 en
Metallic powders – Determination of acid-insoluble content in iron, copper, tin and bronze powders (ISO/FDIS 4496:2017)
Metalni prah – Određivanje netopljivoga udjela kiseline u prahu željeza, bakra, kositra i bronce (ISO/FDIS 4496:2017)

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

prEN ISO 19023 en
Dentistry – Orthodontic anchor screws (ISO/DIS 19023:2017)
Stomatologija – Vijci za sidrenje u ortodonciji (ISO/DIS 19023:2017)

prEN ISO 20696 en
Sterile urethral catheters for single use (ISO/DIS 20696:2017)
Sterilni kateteri za mokraćnu cijev za jednokratnu upotrebu (ISO/DIS 20696:2017)

prEN ISO 20697 en
Sterile drainage catheters and accessory devices for single use (ISO/DIS 20697:2017)
Sterilni drenažni kateteri i pomoćni pribor za jednokratnu upotrebu (ISO/DIS 20697:2017)

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

prEN 1459-5 en
Rough-terrain trucks – Safety requirements and verification – Part 5: Attachments and attachment interface

FprEN 2034 en
Aerospace series – Round steel bars drawn and/or descaled – Dimensions – Tolerance h 11

FprEN 2036 en
Aerospace series – Round steel bars ground – Dimensions – Tolerance h 8

FprEN 2366 en
Aerospace series – Sheets and strips – Heat resisting alloys – Cold rolled – Thickness a ≤ 3 mm – Dimensions

FprEN 3021 en
Aerospace series – Molybdenum disulphide dry film lubricants graphite and halogen free – Technical specification

FprEN 3660-031 en
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 031: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed for EN 3645 – Product standard

FprEN 3660-032 en
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 032: Cable outlet, style K, straight, for heat shrinkable boot, shielded, sealed for EN 2997 – Product standard

FprEN 3660-035 en
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 035: Cable outlet, style K, 90°, for heat shrinkable boot, shielded, sealed for EN 3645 – Product standard

HZN/TU U1, *Opća elektrotehnika 1*

FprEN 50625-2-3:2017 en
Collection, logistics & treatment requirements for WEEE – Part 2-3: Treatment requirements for temperature exchange equipment and other WEEE containing VFC and/or VHC
Zahtjevi za prikupljanje, logistiku i obradu otpadne električne i elektroničke opreme – Dio 2-3: Zahtjevi za obradu izmjenjivača topline i druge otpadne električne i elektroničke opreme koja sadrži hlapljive fluorougljike i/ili hlapljive ugljikovodike

prEN 60974-9:2017 en
Arc welding equipment – Part 9: Installation and use (IEC 60974-9:201X)
Oprema za elektroručno zavarivanje – 9. dio: Instalacija i uporaba (IEC 60974-9:201X)

HZN/TU V1, *Elektronika 1*

FprEN 50090-3-4:2017 en
Home and Building Electronic Systems (HBES) – Part 3-4: Specification of KNX S AL; Secure Service; Secure configuration and security Resources

prEN 50377-14-1:2017 en
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 14 -1: Simplex and duplex cords made from simplex plugs with cylindrical ferrules, using EN 60793-2-50 singlemode B1 or B6 fibre for Category C according to EN 61753-1

prEN 50377-18-1:2017 en
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 18-1: type 4+4x10.3125 Gb/s MPO (QFSP) transceiver mated with an MPO connector equipped with 12 fibre PPS ferrules terminated on EN 60793-2-10 category A1a.3a or A1a.3b 50/125 micron multimode fibre

prEN 60749-26:2017 en
Semiconductor devices – Mechanical and climatic test methods – Part 26: Electrostatic discharge (ESD) sensitivity testing – Human body model (HBM) (IEC 60749-26:201X)

prEN 61076-2-111:2017 en
Connectors for electronic equipment – Product requirements – Part 2-111: Circular connectors – Detail specification for power connectors with M12 screw-locking (IEC 61076-2-111:201X)

prEN 61300-2-46:2017 en
Fibre optic interconnecting devices and passive components – Basic test and procedures – Part 2-46: Tests – Damp heat, cyclic (IEC 61300-2-46:201X)

prEN 61340-4-4:2017 en
Electrostatics – Part 4-4: Standard test methods for specific applications – Electrostatic classification of flexible intermediate bulk containers (FIBC) (IEC 61340-4-4:201X)

prEN 61745:2017 en
End-face image analysis procedure for the calibration of optical fibre geometry test sets (IEC 61745:201X)

prEN 61753-1:2017 en
Fibre optic interconnecting devices and passive components – Performance standards – Part 1: General and guidance (IEC 61753-1:201X)

prEN 61755-6-2:2017 en
Fibre optic interconnecting devices and passive components – Fibre optic connector optical interfaces – Part 6-2: Connection of 50,0 µm core diameter multimode physically contacting fibres – Non-angled for reference connector application, at wavelength of 850 nm using traditional macrobend attenuation fibre only (IEC 61755-6-2:201X)

EN 61760-4:2015/prA1:2017 en
Surface mounting technology – Part 4: Classification; packaging; labelling and handling of moisture sensitive devices (IEC 61760-4:2015/am1:201X)

prEN 62496-2:2017 en
Optical circuit boards – Basic test and measurement procedures – Part 2: General guidance for definition of measurement conditions for optical characteristics of optical circuit boards (IEC 62496-2:201X)

prEN 62892-1:2017 en
Testing of PV modules to differentiate performance in multiple climates and applications – Part 1: Requirements for testing (IEC 62892-1:201X)

prEN 62969-3:2017 en
Semiconductor devices – Semiconductor interface for automotive vehicles – Part 3: Shock driven piezoelectric energy harvesting for automotive vehicle sensors (IEC 62969-3:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

prEN 50594:2017 en
Household and similar electric appliances – Methods for measuring the performance of tumble dryers intended for commercial use

prEN 50640:2017 en
Household and similar electric appliances – Methods for measuring the performance of clothes washing machines intended for commercial use

prEN 60127-8:2017 en
Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection (IEC 60127-8:201X)

prEN 62364:2017 en
Hydraulic machines – Guide for dealing with hydro-erosion in Kaplan, Francis, and Pelton turbines (IEC 62364:201X)

EN 62841-2-11:2016/prA1:2017 en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-11: Particular requirements for hand-held reciprocating saws (IEC 62841-2-11:2015/am1:201X)
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-11: Posebni zahtjevi za ručne pile s unutarnjim izgaranjem (IEC 62841-2-11:2015/am1:201X)

prEN 62933-1:2017 en
Electrical Energy Storage (EES) systems – Part 1: Terminology (IEC 62933-1:201X)

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 8, *Brodogradnja*

HRN ISO 21:2001 en
Brodogradnja – Unutrašnja plovidba – Lančana kola za sidrene lance s prečkom (ISO 21:1985)
Shipbuilding – Inland navigation – Cable-lifters for stud-link anchor chains (ISO 21:1985)
- bez zamjene

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 54-5:2005 en
Sustavi za otkrivanje i dojavu požara – 5. dio: Detektori topline – Točkasti detektori (EN 54-5:2000+A1:2002)
Fire detection and fire alarm systems – Part 5: Heat detectors – Point detectors (EN 54-5:2000+A1:2002)
- zamijenjena s: HRN EN 54-5:2017

HZN/TO 37, *Terminologija*

HRN ISO 12620:2010 en
Terminologija i drugi jezični i sadržajni izvori – Specifikacija kategorija podataka i upravljanje registrom kategorija podataka za jezične izvore (ISO 12620:2009)
Terminology and other language and content resources – Specification of data categories and management of a Data Category Registry for language resources (ISO 12620:2009)
- bez zamjene

HZN/TO 43, *Akustika*

HRN EN ISO 7029:2001 en
Akustika – Prag čujnosti za zračnu vodljivost u ovisnosti o dobi i spolu osoba urednog sluha (ISO 7029:2000; EN ISO 7029:2000)
Acoustics – Threshold of hearing by air conduction as a function of age and sex for otologically normal persons (ISO 7029:2000; EN ISO 7029:2000)
- zamijenjena s: HRN EN ISO 7029:2017

HZN/TO 68, *Bankarstvo, vrijednosni papiri i druge financijske usluge*

HRN ISO 4217:2005 en,fr
Kodovi za prikaz valuta i novca (ISO 4217:2001+Cor 1:2004)
Codes for the representation of currencies and funds (ISO 4217:2001+Cor 1:2004)
- bez zamjene

HZN/TO 71, *Beton*

HRN EN 1766:2001 en
Proizvodi i sustavi za zaštitu i popravak betonskih konstrukcija – Metode ispitivanja – Referentni betoni za ispitivanje (EN 1766:2000)
Products and systems for the protection and repair of concrete structures – Test methods – Reference concretes for testing (EN 1766:2000)
- zamijenjena s: HRN EN 1766:2017

HZN/TO 120, *Koža i obuća*

HRN EN ISO 4044:2008 en
Koža – Kemijska ispitivanja – Priprema ispitnih uzoraka za kemijska ispitivanja (ISO 4044:2008; EN ISO 4044:2008)
Leather – Chemical tests – Preparation of chemical test samples (ISO 4044:2008; EN ISO 4044:2008)
- zamijenjena s: HRN EN ISO 4044:2017

HZN/TO 136, *Namještaj*

HRN EN 581-3:2008 en
Vanjski namještaj – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 3. dio: Mehanički sigurnosni zahtjevi i metode ispitivanja stolova (EN 581-3:2007)
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements and test methods for tables (EN 581-3:2007)
- zamijenjena s: HRN EN 581-3:2017

HZN/TO 503, *Metalni materijali*

HRN EN 10056-1:2005 en
Čelični kutnici s jednakim i nejednakim krakovima – 1. dio: Mjere (EN 10056-1:1998)
Structural steel equal and unequal leg angles – Part 1: Dimensions (EN 10056-1:1998)
- zamijenjena s: HRN EN 10056-1:2017

HRN EN 10152:2009 en
Elektrolitički pocinčani hladno valjani čelični plosnati proizvodi za hladno oblikovanje – Tehnički uvjeti isporuke (EN 10152:2009)
Electrolytically zinc coated cold rolled steel flat products for cold forming – Technical delivery conditions (EN 10152:2009)
- zamijenjena s: HRN EN 10152:2017

HRN EN 10152:2009/Ispr.1:2014 en
Elektrolitički pocinčani hladno valjani čelični plosnati proizvodi za hladno oblikovanje – Tehnički uvjeti isporuke (EN 10152:2009/AC:2011)
Electrolytically zinc coated cold rolled steel flat products for cold forming – Technical delivery conditions (EN 10152:2009/AC:2011)
- zamijenjena s: HRN EN 10152:2017

HZN/TO 508, *Ambalaža i pakiranje*

HRN EN 15384:2008 en
Ambalaža – Savitljive aluminijske tube – Postupak ispitivanja poroznosti unutarnje prevlake (EN 15384:2007)
Packaging – Flexible aluminium tubes – Test method to determine the porosity of the internal coating (EN 15384:2007)
- zamijenjena s: HRN EN 15384-1:2017, HRN EN 15384-2:2017

HZN/TO 515, *Žičare, uspinjače i vučnice*

HRN EN 1909:2008 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Spašavanje i evakuacija (EN 1909:2004)
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation (EN 1909:2004)
- zamijenjena s: HRN EN 1909:2017

HZN/TO 519, *Adhezivi*

HRN EN 15416-2:2008 en
Adhezivi za drvene strukture pod opterećenjem koji nisu fenolni i aminoplasti – Metode ispitivanja – 2. dio: Ispitivanje statičkog opterećenja uzoraka u pritisnom smicanju s višestrukim spojnim linijom uzoraka (EN 15416-2:2007)
Adhesives for load bearing timber structures – Test methods – Part 2: Static load test of multiple bondline specimens in compression shear (EN 15416-2:2007)
- zamijenjena s: HRN EN 302-8:2017

HRN EN 15416-3:2010 en
Adhezivi za opterećene nosive drvene strukture koje nisu fenolne i aminoplastične – Ispitne metode – 3. dio: Ispitivanje deformacije puzanja u cikličkim klimatskim uvjetima s uzorcima koji se naprežu savojnim smicanjem (EN 15416-3:2007+A1:2010)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear (EN 15416-3:2007+A1:2010)
- zamijenjena s: HRN EN 15416-3:2017

HRN EN 15416-4:2008 en
Adhezivi za drvene strukture pod opterećenjem koji nisu fenolni i aminoplasti – Metode ispitivanja – 4. dio: Određivanje otvorenog vremena sklapanja za jednokomponentne poliuretanske adhezive (EN 15416-4:2006)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 4: Determination of open assembly time for one component polyurethane adhesives (EN 15416-4:2006)
- zamijenjena s: HRN EN 15416-4:2017

HRN EN 15416-5:2008 en

Adhezivi za drvene strukture pod opterećenjem koji nisu fenolni i aminoplasti – Metode ispitivanja – 5. dio: Određivanje konvencionalnog vremena prešanja (EN 15416-5:2006)
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 5: Determination of conventional pressing time (EN 15416-5:2006)
- zamijenjena s: HRN EN 15416-5:2017

HRN EN 15425:2008 en

Adhezivi – Jednokomponentni poliuretani za drvene strukture pod opterećenjem – Klasifikacija i zahtjevi graničnih svojstava uporabljivosti (EN 15425:2008)
Adhesives – One component polyurethane for load bearing timber structures – Classification and performance requirements (EN 15425:2008)
- zamijenjena s: HRN EN 15425:2017

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 12574-1:2008 en

Stalni spremnici za otpad – 1. dio: Spremnici obujma do 10 000 l s ravnim ili kupolastim poklopcem za podizne uređaje s klinom, dvostrukim klinom ili s utorom – Dimenzije i konstrukcija (EN 12574-1:2006)
Stationary waste containers – Part 1: Containers with a capacity up to 10 000 l with flat or dome lid(s), for trunnion, double trunnion or pocket lifting device – Dimensions and design (EN 12574-1:2006)
- zamijenjena s: HRN EN 12574-1:2017

HRN EN 12574-2:2008 en

Stalni spremnici za otpad – 2. dio: Zahtjevi izvedbe i ispitne metode (EN 12574-2:2006)
Stationary waste containers – Part 2: Performance requirements and test methods (EN 12574-2:2006)
- zamijenjena s: HRN EN 12574-2:2017

HRN EN 12574-3:2008 en

Stalni spremnici za otpad – 3. dio: Sigurnosni i zdravstveni zahtjevi (EN 12574-3:2006)
Stationary waste containers – Part 3: Safety and health requirements (EN 12574-3:2006)
- zamijenjena s: HRN EN 12574-3:2017

HZN/TO 524, Inteligentni transportni sustavi

HRI CEN/TR 16405:2013 en

Inteligentni transportni sustavi – Elektronička sigurnost – Dodatni izborni skup podataka za elektroničke hitne pozive iz teških teretnih vozila (CEN/TR 16405:2013)
Intelligent transport systems – ESafety – ECall additional optional data set for heavy goods vehicles eCall (CEN/TR 16405:2013)
- zamijenjena s: HRS CEN/TS 16405:2017

HZN/TO 528, Oprema za željeznice

HRN EN 13481-2:2012 en

Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove (EN 13481-2:2012)
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers (EN 13481-2:2012)
- zamijenjena s: HRN EN 13481-2:2017

HRN EN 13481-2:2012/Ispr.1:2014 en

Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 2. dio: Kolosiječni pričvrstni pribor za betonske pragove (EN 13481-2:2012/AC:2014)
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers (EN 13481-2:2012/AC:2014)
- zamijenjena s: HRN EN 13481-2:2017

HRN EN 13481-5:2012 en

Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrstnog pribora – 5. dio: Kolosiječni pričvrstni pribor za kolosijek na čvrstoj podlozi (EN 13481-5:2012)
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel (EN 13481-5:2012)
- zamijenjena s: HRN EN 13481-5:2017

HRS CEN/TS 16635:2014 en

Željeznički sustav – Konstrukcije namijenjene uporabi osoba smanjene pokretljivosti – Oprema i dijelovi ugrađeni na željeznička vozila – Zahodi (CEN/TS 16635:2014)
Railway application – Design for PRM Use – Equipment and Components onboard Rolling Stock – Toilets (CEN/TS 16635:2014)
- zamijenjena s: HRN EN 16585-1:2017

HZN/TO 531, Plastika i guma

HRN EN ISO 177:2008 en

Plastika – Određivanje migracije omekšavala (ISO 177:1988; EN ISO 177:1999)
Plastics – Determination of migration of plasticizers (ISO 177:1988; EN ISO 177:1999)
- zamijenjena s: HRN EN ISO 177:2017

HRN EN ISO 6134:2008 en

Gumena crijeva i crijevni uređaji za zasićenu paru – Specifikacija (ISO 6134:2005; EN ISO 6134:2005)
Rubber hoses and hose assemblies for saturated steam – Specification (ISO 6134:2005; EN ISO 6134:2005)
- zamijenjena s: HRN EN ISO 6134:2017

HRN EN ISO 8033:2008 en

Gumena i plastična crijeva – Određivanje prijanjanja među komponentama (ISO 8033:2006; EN ISO 8033:2006)
Rubber and plastics hoses – Determination of adhesion between components (ISO 8033:2006; EN ISO 8033:2006)
- zamijenjena s: HRN EN ISO 8033:2017

HRN EN 13206:2008 en

Pokrivni plastomerni filmovi za uporabu u poljoprivredi i vrtlarstvu (EN 13206:2001)
Covering thermoplastic films for use in agriculture and horticulture (EN 13206:2001)
- zamijenjena s: HRN EN 13206:2017

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

HRN EN ISO 1101:2013 en

Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Tolerancije oblika, orijentacije, smještaja i vrtnje (ISO 1101:2012, uključujući Cor 1:2013; EN ISO 1101:2013)
Geometrical product specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out (ISO 1101:2012, including Cor 1:2013; EN ISO 1101:2013)
- zamijenjena s: HRN EN ISO 1101:2017

HRN EN ISO 1660:2004 en

Tehnički crteži – Dimenzioniranje i tolerancije profila (ISO 1660:1987; EN ISO 1660:1995)
Technical drawings – Dimensioning and tolerancing of profiles (ISO 1660:1987; EN ISO 1660:1995)
- zamijenjena s: HRN EN ISO 1660:2017

HZN/TO 554, Obrada otpadnih voda

HRN EN 1253-5:2008 en

Odvodi za zgrade – 5. dio: Slivnici sa zaporom za lake tekućine (EN 1253-5:2003)
Gullies for buildings – Part 5: Gullies with light liquids closure (EN 1253-5:2003)
- zamijenjena s: HRN EN 1253-5:2017

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 26553:2002 en

Automatski odvađajući kondenzata – Označavanje (ISO 6553:1980; EN 26553:1991)
Automatic steam traps – Marking (ISO 6553:1980; EN 26553:1991)
- zamijenjena s: HRN EN ISO 6553:2017

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

HRN EN 13110:2012 en

Oprema i pribor za UNP – Prenosive, ponovno punjive, zavarene aluminijske boce za ukapljeni naftni plin (UNP) – Projektiranje i izrada (EN 13110:2012)
LPG equipment and accessories – Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) – Design and construction (EN 13110:2012)
- zamijenjena s: HRN EN 13110:2017

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

HRN EN 14526:2005 en

Namirnice – Određivanje saksitoksina i dc-saksitoksina u školjkama – Metoda tekućinske kromatografije visokog učinka s predkolonskom derivatizacijom i peroksidnom ili perodatnom oksidacijom (EN 14526:2004)
Foodstuffs – Determination of saxitoxin and dc-saxitoxin in mussels – HPLC method using pre-column derivatization with peroxide or periodate oxidation (EN 14526:2004)
- zamijenjena s: HRN EN 14526:2017

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

HRN EN ISO 8936:2009 en

Tende za kampere – Zahtjevi i metode ispitivanja (ISO 8936:2007; EN ISO 8936:2009)
Awnings for leisure accommodation vehicles – Requirements and test methods (ISO 8936:2007; EN ISO 8936:2009)
- zamijenjena s: HRN EN ISO 8936:2017

HZN/TO E2, Rotacijski strojevi

HRN EN 60034-2:2008 en

Rotacijski električni strojevi – 2. dio: Metode određivanja gubitaka i korisnosti rotacijskih električnih strojeva ispitivanjima (isključujući strojeve za vučna vozila) (IEC 60034-2:1972+IEC 60034-2A:1974+am1:1995+am2:1996; EN 60034-2:1996+A1:1996+A2:1996)
Rotating electrical machines – Part 2: Methods for determining losses and efficiency of rotating electrical machinery from tests (excluding machines for traction vehicles) (IEC 60034-2:1972+IEC 60034-2A:1974+am1:1995+am2:1996; EN 60034-2:1996+A1:1996+A2:1996)
- zamijenjena s: HRN EN 60034-2-1:2008

HRN EN 60034-18-31:2008 en

Rotacijski električni strojevi – 18. dio: Funkcionalna procjena izolacijskih sustava – 31. odjeljak: Ispitni postupci za oblikovane namote – Termička procjena i klasifikacija izolacijskih sustava korištenih u strojevima do i uključujući 50 MVA i 15 kV (IEC 60034-18-31:1992+am1:1996; EN 60034-18-31:1994+A1:1996)
Rotating electrical machines – Part 18: Functional evaluation of insulation systems – Section 31: Test procedures for form-wound windings – Thermal evaluation and classification of insulation systems used in machines up to and including 50 MVA and 15kV (IEC 60034-18-31:1992+am1:1996; EN 60034-18-31:1994+A1:1996)
- zamijenjena s: HRN EN 60034-18-31:2012

HZN/TO E8, Sustavski vidovi opskrbe električnom energijom

HRI CLC/TR 50422:2008 en

Upute za primjenu europske norme EN 50160 (CLC/TR 50422:2003+AC:2005)
Guide for the application of the European Standard EN 50160 (CLC/TR 50422:2003+AC:2005)
- zamijenjena s: HRI CLC/TR 50422:2014

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50261:2001 en

Željeznički sustav – Ugradnja elektroničke opreme (EN 50261:1999)
Railway applications – Mounting of electronic equipment (EN 50261:1999)
- bez zamjene

HRS CLC/TS 50459-4:2008 en

Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom – Sučelje strojovođa-vozilo – 4. dio: Unos podataka u ERTMS/ETCS/GSM-R sustave (CLC/TS 50459-4:2005)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 4: Data entry for the ERTMS/ETCS/GSM-R systems (CLC/TS 50459-4:2005)
- zamijenjena s: HRS CLC/TS 50459-3:2016

HRS CLC/TS 50459-5:2008 en

Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 5. dio: Simboli (prikazi) (CLC/TS 50459-5:2005)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 5: Symbols (CLC/TS 50459-5:2005)
- zamijenjena s: HRS CLC/TS 50459-3:2016

HRS CLC/TS 50459-6:2008 en

Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 6. dio: Zvučne informacije (CLC/TS 50459-6:2005)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine Interface – Part 6: Audible information (CLC/TS 50459-6:2005)
- zamijenjena s: HRS CLC/TS 50459-3:2016

HRI CLC/TR 50459-7:2008 en

Željeznički sustav – Komunikacijska i signalna tehnika i sustavi obrade podataka – Europski sustav upravljanja željezničkim prometom (ERTMS) – Sučelje strojovođa-vozilo – 7. dio: Posebni moduli za prijenos (CLC/TR 50459-7:2007)
Railway applications – Communication, signalling and processing systems – European Rail Traffic Management System – Driver-Machine interface – Part 7: Specific Transmission Modules (CLC/TR 50459-7:2007)
- zamijenjena s: HRS CLC/TS 50459-3:2016

HRN EN 50463:2011 en

Željeznički sustav – Mjerenje energije na vozilima (EN 50463:2007)
Railway applications – Energy measurement on board trains (EN 50463:2007)
- zamijenjena s: HRN EN 50463-1:2013, HRN EN 50463-2:2013, HRN EN 50463-3:2013, HRN EN 50463-4:2013, HRN EN 50463-5:2013

HRI CLC/TR 50542:2011 en

Željeznički sustav – Sredstva komunikacije između sigurnosne opreme i sučelja čovjek-stroj (MMI) (CLC/TR 50542:2010)
Railway applications – Communication means between safety equipment and man-machine interfaces (MMI) (CLC/TR 50542:2010)
- zamijenjena s: HRI CLC/TR 50542-1:2017

HZN/TO E11, Nadzemni vodovi

HRN EN 50341-1:2008 en

Nadzemni električni vodovi izmjenične struje iznad 45 kV – 1. dio: Opći zahtjevi – Zajedničke specifikacije (EN 50341-1:2001)
Overhead electrical lines exceeding AC 45 kV – Part 1: General requirements – Common specifications (EN 50341-1:2001)
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-1:2008/A1:2014 en

Nadzemni električni vodovi izmjenične struje iznad 45 kV – 1. dio: Opći zahtjevi – Zajedničke specifikacije (EN 50341-1:2001/A1:2009)
Overhead electrical lines exceeding AC 45 kV – Part 1: General requirements – Common specifications (EN 50341-1:2001/A1:2009)
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-1:2008 en

Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 1. dio: Opći zahtjevi – Uobičajene specifikacije (EN 50423-1:2005)
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 1: General requirements – Common specifications (EN 50423-1:2005)
- zamijenjena s: HRN EN 50341-1:2013

HZN/TO E14, Energetski transformatori

HRN EN 60076-3:2008 en

Energetski transformatori – 3. dio: Izolacijske razine, dielektrična ispitivanja i vanjski razmaci u zraku (IEC 60076-3:2000+Corr.1:2000; EN 60076-3:2001)
Power transformers – Part 3: Insulation levels, dielectric tests and external clearances in air (IEC 60076-3:2000+Corr.1:2000; EN 60076-3:2001)
- zamijenjena s: HRN EN 60076-3:2014

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

- HRN EN 60454-3-10:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 10. list: Zahtjevi za trake od celulozno-acetatsko-butirat folije s ljepljivom na bazi termoreaktivne gume (IEC 60454-3-10:1995; EN 60454-3-10:1995)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 10: Requirements for cellulose-acetate-butyrates film tapes with rubber thermosetting adhesive (IEC 60454-3-10:1995; EN 60454-3-10:1995)
- bez zamjene
- HRN EN 60454-3-13:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 13. list: Zahtjevi za kombinirane trake od tkanih niti viskozne celuloze, koje su s jedne strane prekrivene termoplastičnim materijalom a s druge strane ljepljivom na bazi termoreaktivne gume (IEC 60454-3-13:1995; EN 60454-3-13:1995)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 13: Requirements for combined cellulose-viscose woven fabric tapes, one side covered with a thermoplastic material, the other side with rubber thermosetting adhesive (IEC 60454-3-13:1995; EN 60454-3-13:1995)
- zamijenjena s: HRN EN 60454-3-8:2008
- HRN EN 60454-3-15:2008 en
Samoljepljive trake za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 15. list: Trake od poliesterske folije i netkanog poliestera s termoreaktivnim gumenim ljepljivom (IEC 60454-3-15:2001; EN 60454-3-15:2001)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 15: Polyester film/polyester non-woven combinations with rubber thermosetting adhesive (IEC 60454-3-15:2001; EN 60454-3-15:2001)
- zamijenjena s: HRN EN 60454-3-11:2008
- HRN EN 60454-3-16:2008 en
Samoljepljive trake za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 16. list: Samoljepljive trake od poliesterske folije i staklenih niti (IEC 60454-3-16:2003; EN 60454-3-16:2003)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 16: Polyester film/glass filament combinations with pressure-sensitive adhesive (IEC 60454-3-16:2003; EN 60454-3-16:2003)
- zamijenjena s: HRN EN 60454-3-11:2008
- HRN EN 60454-3-17:2008 en
Samoljepljive trake za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 17. list: Samoljepljive trake od kombinacije poliestera i epoksida (IEC 60454-3-17:2001; EN 60454-3-17:2001)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 17: Polyester/epoxy combinations with pressure-sensitive adhesive (IEC 60454-3-17:2001; EN 60454-3-17:2001)
- zamijenjena s: HRN EN 60454-3-11:2008
- HRN EN 60454-3-18:2008 en
Samoljepljive trake za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 18. list: Samoljepljive trake od polipropilenske folije (IEC 60454-3-18:2003; EN 60454-3-18:2003)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 18: Polypropylene film tapes with pressure-sensitive adhesive (IEC 60454-3-18:2003; EN 60454-3-18:2003)
- zamijenjena s: HRN EN 60454-3-12:2008
- HRN EN 60454-3-3:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 3. list: Traka poliesterske folije s ljepljivom na bazi termoplastične gume (IEC 60454-3-3:1998; EN 60454-3-3:1998)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 3: Polyester film tapes with rubber thermoplastic adhesive (IEC 60454-3-3:1998; EN 60454-3-3:1998)
- zamijenjena s: HRN EN 60454-3-2:2008
- HRN EN 60454-3-5:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 5. list: Celulozni papir (nije krep) s ljepljivom na bazi termoreaktivne gume (IEC 60454-3-5:1998; EN 60454-3-5:1998)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 5: Cellulosic paper, non-creped, with rubber thermosetting adhesive (IEC 60454-3-5:1998; EN 60454-3-5:1998)
- zamijenjena s: HRN EN 60454-3-4:2008
- HRN EN 60454-3-9:2005 en
Ljepljive trake osjetljive na pritisak za uporabu u elektrotehnici – 3. dio: Specifikacije za pojedinačne materijale – 9. list: Traka od tkanih niti celuloznog acetata s ljepljivom na bazi termoreaktivne gume (IEC 60454-3-9:1998; EN 60454-3-9:1998)
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 9: Cellulose acetate woven fabric tapes with rubber thermosetting adhesive (IEC 60454-3-9:1998; EN 60454-3-9:1998)
- zamijenjena s: HRN EN 60454-3-8:2008
- HRN EN 60544-1:2005 en
Električni izolacijski materijali – Određivanje učinka ionizacijskog zračenja – 1. dio: Uzajamno djelovanje zračenja i dosimetrija (IEC 60544-1:1994; EN 60544-1:1994)
Electrical insulating materials – Determination of the effects of ionizing radiation – Part 1: Radiation interaction and dosimetry (IEC 60544-1:1994; EN 60544-1:1994)
- zamijenjena s: HRN EN 60544-1:2014
- HRN EN 60684-3-213:2005 en
Savitljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 213 list: Toplinski skupljajuće poliolefinske navlake bez usporenog gorenja, omjer skupljanja 2:1 (IEC 60684-3-213:1998; EN 60684-3-213:1999)
Flexible insulating sleeving – Part 3: Specification for individual types of sleeving – Sheet 213: Heat-shrinkable polyolefin sleeving, not flame retarded, shrink ratio 2:1 (IEC 60684-3-213:1998; EN 60684-3-213:1999)
- zamijenjena s: HRN EN 60684-3-212:2008
- HRN EN 60684-3-217:2005 en
Savitljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 217 list: Toplinski skupljajuće poliolefinske navlake s usporenom gorenjem, omjer skupljanja 3:1 (IEC 60684-3-217:1998; EN 60684-3-217:1998)
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 217: Heat-shrinkable polyolefin sleeving, flame retarded, shrink ratio 3:1 (IEC 60684-3-217:1998; EN 60684-3-217:1998)
- zamijenjena s: HRN EN 60684-3-212:2008
- HRN EN 60684-3-218:2005 en
Savitljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 218 list: Toplinski skupljajuće poliolefinske navlake bez usporenog gorenja, omjer skupljanja 3:1 (IEC 60684-3-218:1998; EN 60684-3-218:1998)
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 218: Heat-shrinkable polyolefin sleeving, not flame retarded, shrink ratio 3:1 (IEC 60684-3-218:1998; EN 60684-3-218:1998)
- zamijenjena s: HRN EN 60684-3-212:2008
- HRN EN 60819-3-4:2005 en
Necelulozni papiri za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 4. list: Aromidni fiber papir koji ne sadrži više od 50% čestica tinjca (IEC 60819-3-4:2001; EN 60819-3-4:2001)
Non-cellulosic papers for electrical purposes – Part 3: Specifications for individual materials – Sheet 4: Aramid fibre paper containing not more than 50% of mica particles (IEC 60819-3-4:2001; EN 60819-3-4:2001)
- zamijenjena s: HRN EN 60819-3-4:2014
- HRN EN 61074:2005 en
Određivanje topline i temperature taljenja i kristalizacije električnih izolacijskih materijala pomoću diferencijalne kalorimetrije (IEC 61074:1991; EN 61074:1993)
Determination of heats and temperatures of melting and crystallization of electrically insulating materials by differential scanning calorimetry (IEC 61074:1991; EN 61074:1993)
- bez zamjene

HZN/TO E17, Sklopni i upravljački uređaji

- HRN EN 50052:2008/Ispr.1:2014 en
Liješana kućišta od aluminijskih legura za visokonaponske sklopne aparature punjene plinom (EN 50052:1986/A2:1993/AC:2007)
Cast aluminium alloy enclosures for gas-filled high-voltage switchgear and controlgear (EN 50052:1986/A2:1993/AC:2007)
- zamijenjena s: HRN EN 50052:2017
- HRN EN 60265-1:2005 en
Visokonaponske sklopke – 1. dio: Sklopke za nazivne napone iznad 1 kV i ispod 52 kV (IEC 60265-1:1998; EN 60265-1:1998)
High-voltage switches – Part 1: Switches for rated voltages above 1 kV and less than 52 kV (IEC 60265-1:1998; EN 60265-1:1998)
- zamijenjena s: HRN EN 62271-103:2012
- HRN EN 60439-1:2005 en
Niskonaponski sklopni blokovi – 1. dio: Tipiski ispitani i djelomično tipiski ispitani sklopni blokovi (IEC 60439-1:1999; EN 60439-1:1999)
Low-voltage switchgear and controlgear assemblies – Part 1: Type-tested and partially type-tested assemblies (IEC 60439-1:1999; EN 60439-1:1999)
- bez zamjene
- HRN EN 60439-1:2005/A1:2005 en
Niskonaponski sklopni blokovi – 1. dio: Tipiski ispitani i djelomično tipiski ispitani sklopni blokovi (IEC 60439-1:1999/am1:2004; EN 60439-1:1999/A1:2004)
Low-voltage switchgear and controlgear assemblies – Part 1: Type-tested and partially type-tested assemblies (IEC 60439-1:1999/am1:2004; EN 60439-1:1999/A1:2004)
- bez zamjene
- HRN EN 60439-2:2005 en
Niskonaponski sklopni blokovi – 2. dio: Posebni zahtjevi za sabirničke kanalne razvode (IEC 60439-2:2000; EN 60439-2:2000)
Low-voltage switchgear and controlgear assemblies – Part 2: Particular requirements for busbar trunking systems (busways) (IEC 60439-2:2000; EN 60439-2:2000)
- zamijenjena s: HRN EN 61439-6:2013
- HRN EN 60439-2:2005/A1:2008 en
Niskonaponski sklopni blokovi – 2. dio: Posebni zahtjevi za sabirničke kanalne razvode (IEC 60439-2:2000/am1:2005; EN 60439-2:2000/A1:2005)
Low-voltage switchgear and controlgear assemblies – Part 2: Particular requirements for busbar trunking systems (busways) (IEC 60439-2:2000/am1:2005; EN 60439-2:2000/A1:2005)
- zamijenjena s: HRN EN 61439-6:2013
- HRN EN 60439-3:2005 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (IEC 60439-3:1990; EN 60439-3:1991)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (IEC 60439-3:1990; EN 60439-3:1991)
- zamijenjena s: HRN EN 61439-3:2012
- HRN EN 60439-3:2005/A1:2005 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (IEC 60439-3:1990/am1:1993; EN 60439-3:1991/A1:1994)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (IEC 60439-3:1990/am1:1993; EN 60439-3:1991/A1:1994)
- zamijenjena s: HRN EN 61439-3:2012
- HRN EN 60439-3:2005/A2:2005 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (IEC 60439-3:1990/am2:2001; EN 60439-3:1991/A2:2001)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (IEC 60439-3:1990/am2:2001; EN 60439-3:1991/A2:2001)
- zamijenjena s: HRN EN 61439-3:2012
- HRN EN 60439-3:2005/Ispr.1:2012 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (EN 60439-3:1991/AC:1994)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (EN 60439-3:1991/AC:1994)
- bez zamjene
- HRN EN 60439-3:2005/Ispr.2:2012 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (EN 60439-3:1991/AC:2005)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (EN 60439-3:1991/AC:2005)
- bez zamjene
- HRN EN 60439-3:2005/Ispr.3:2012 en
Niskonaponski sklopni blokovi – 3. dio: Posebni zahtjevi za niskonaponske sklopne blokove namijenjene za ugradnju na mjestima kojima imaju pristup nestručne osobe – Razvodni blokovi (EN 60439-3:1991/AC:2009)
Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (EN 60439-3:1991/AC:2009)
- bez zamjene
- HRN EN 60439-4:2008 en
Niskonaponski sklopni blokovi – 4. dio: Posebni zahtjevi za blokove za gradilišta (ACS) (IEC 60439-4:2004; EN 60439-4:2004)
Low-voltage switchgear and controlgear assemblies – Part 4: Particular requirements for assemblies for construction sites (ACS) (IEC 60439-4:2004; EN 60439-4:2004)
- zamijenjena s: HRN EN 61439-4:2013
- HRN EN 60439-5:2008 en
Niskonaponski sklopni blokovi – 5. dio: Posebni zahtjevi za sklopne blokove predviđene za vanjsku ugradnju na javnim mjestima – Kabelski razvodni ormarići (CDCs) za razvod energije u mrežama (IEC 60439-5:2006; EN 60439-5:2006)
Low-voltage switchgear and controlgear assemblies – Part 5: Particular requirements for assemblies for power distribution in public networks (IEC 60439-5:2006; EN 60439-5:2006)
- zamijenjena s: HRN EN 61439-5:2012
- HRN EN 60470:2005 en
Visokonaponski sklopnici izmjenične struje i motorski pokretači zasnovani na sklopnicima (IEC 60470:1999; EN 60470:2000)
High-voltage alternating current contactors and contactor-based motor starters (IEC 60470:1999; EN 60470:2000)
- zamijenjena s: HRN EN 62271-106:2012
- HRN CLC/TR 60890:2005 en
Metoda određivanja zagrijavanja ekstrapolacijom za djelomično tipiski ispitane niskonaponske sklopne blokove (PTTA) (IEC/TR3 60890:1987+Corr.1:1988+am1:1995; CLC/TR 60890:2002)
A method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and controlgear (IEC/TR3 60890:1987+Corr.1:1988+am1:1995; CLC/TR 60890:2002)
- bez zamjene
- HRN EN 60947-5-3:2005 en
Niskonaponska sklopna aparatura – Dio 5-3: Aparati za upravljačke strujne krugove i sklopni elementi – Zahtjevi za blizinske aparate s određenim ponašanjem u uvjetima kvara (IEC 60947-5-3:1999; EN 60947-5-3:1999)
Low voltage switchgear and controlgear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (IEC 60947-5-3:1999; EN 60947-5-3:1999)
- zamijenjena s: HRN EN 60947-5-3:2014

HRN EN 60947-5-3:2005/A1:2008 en
Niskonaponska sklopna aparatura – Dio 5-3: Aparati za upravljačke strujne krugove i sklopni elementi – Zahtjevi za blizinske aparate s određenim ponašanjem u uvjetima kvara (IEC 60947-5-3:1999/am1:2005; EN 60947-5-3:1999/A1:2005)
Low-voltage switchgear and control gear – Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (PDF) (IEC 60947-5-3:1999/am1:2005; EN 60947-5-3:1999/A1:2005)
- zamijenjena s: HRN EN 60947-5-3:2014

HRI CLC/TR 62271-303:2010 en
Visokonaponska sklopna aparatura – 303. dio: Korištenje i rukovanje sumpornim heksafluoridom (SF6) (IEC/TR 62271-303:2008; CLC/TR 62271-303:2009)
High-voltage switchgear and controlgear – Part 303: Use and handling of sulphur hexafluoride (SF6) (IEC/TR 62271-303:2008; CLC/TR 62271-303:2009)
- zamijenjena s: HRN EN 62271-4:2014

HZN/TO E20, Električni kabeli

HRN HD 21.1 S4:2007 en
Kabeli izolirani termoplastičnom izolacijom nazivnog napona do i uključivo 450/750 V – 1. dio: Opći zahtjevi (HD 21.1 S4:2002)
Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation – Part 1: General requirements (HD 21.1 S4:2002)
- zamijenjena s: HRN EN 50525-1:2012

HRN HD 21.3 S3:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 3. dio: Kabeli bez plašta za čvrsto ožičenje (HD 21.3 S3:1995+A1:1999)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring (HD 21.3 S3:1995+A1:1999)
- zamijenjena s: HRN EN 50525-2-31:2012

HRN HD 21.3 S3:2001/A2:2009 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 3. dio: Kabeli bez plašta za učvršćeno ožičenje (HD 21.3 S3:1995/A2:2008)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring (HD 21.3 S3:1995/A2:2008)
- zamijenjena s: HRN EN 50525-2-31:2012

HRN HD 21.4 S2:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 4. dio: Kabeli s plaštom za čvrsto ožičenje (HD 21.4 S2:1990)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 4: Sheathed cables for fixed wiring (HD 21.4 S2:1990)
- bez zamjene

HRN HD 21.7 S2:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 7. dio: Jednožilni kabeli bez plašta za unutarnje ožičenje za temperaturu vodiča do 90 °C (HD 21.7 S2:1996+A1:1999)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 7: Single core non-sheathed cables for internal wiring for a conductor temperature of 90 °C (HD 21.7 S2:1996+A1:1999)
- zamijenjena s: HRN EN 50525-2-31:2012

HRN HD 21.8 S2:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 8. dio: Jednožilni kabeli bez plašta za ukrasne rasvjetne lance (HD 21.8 S2:1999)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 8: Single core non-sheathed cables for decorative chains (HD 21.8 S2:1999)
- bez zamjene

HRN HD 21.9 S2:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 9. dio: Jednožilni kabeli bez plašta za instalacije na niskim temperaturama (HD 21.9 S2:1995+A1:1999)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 9: Single core non-sheathed cable for installation at low temperatures (HD 21.9 S2:1995+A1:1999)
- bez zamjene

HRN HD 21.10 S2:2007 en
Kabeli izolirani polivinil-kloridom nazivnog napona do i uključivo 450/750 V – 10. dio: Spiralni priključni vodovi i kabeli (HD 21.10 S2:2001)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 10: Extensible leads (HD 21.10 S2:2001)
- zamijenjena s: HRN EN 50525-2-12:2012

HRN HD 21.11 S1:2001 en
Kabeli izolirani polivinil-kloridom nazivnog napona do i uključivo 450/750 V – 11. dio: Kabeli za svjetiljke (HD 21.11 S1:1995)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 11: Cables for luminaires (HD 21.11 S1:1995)
- zamijenjena s: HRN EN 50525-2-72:2012

HRN HD 21.11 S1:2001/A1:2007 en
Kabeli izolirani polivinil-kloridom nazivnog napona do i uključivo 450/750 V – 11. dio: Kabeli za svjetiljke (HD 21.11 S1:1995/A1:2001)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 11: Cables for luminaires (HD 21.11 S1:1995/A1:2001)
- zamijenjena s: HRN EN 50525-2-72:2012

HRN HD 21.12 S1:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 12. dio: Temperaturno otporni savitljivi kabeli (vodovi) (HD 21.12 S1:1994)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 12: Heat-resistant flexible cables (cords) (HD 21.12 S1:1994)
- zamijenjena s: HRN EN 50525-2-11:2012

HRN HD 21.12 S1:2001/A1:2007 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 12. dio: Temperaturno otporni savitljivi kabeli (vodovi) (HD 21.12 S1:1994/A1:2001)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 12: Heat-resistant flexible cables (cords) (HD 21.12 S1:1994/A1:2001)
- zamijenjena s: HRN EN 50525-2-11:2012

HRN HD 21.13 S1:2001 en
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 13. dio: Uljno postojani PVC oplašteni kabeli s dva ili više vodiča (HD 21.13 S1:1995)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 13: Oil resistant PVC sheathed cables with two or more conductors (HD 21.13 S1:1995)
- zamijenjena s: HRN EN 50525-2-51:2012

HRN HD 21.13 S1:2001/A1:2007 en
Kabeli izolirani polivinil-kloridom nazivnog napona do i uključivo 450/750 V – 13. dio: Uljno postojani PVC oplašteni kabeli s dva ili više vodiča (HD 21.13 S1:1995/A1:2001)
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 13: Oil resistant PVC sheathed cables with two or more conductors (HD 21.13 S1:1995/A1:2001)
- zamijenjena s: HRN EN 50525-2-51:2012

HRN HD 21.14 S1:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s termoplastičnom izolacijom – 14. dio: Savitljivi kabeli (vodovi), izolirani i oplašteni bezhalogenim termoplastičnim smjesama (HD 21.14 S1:2003)
Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation – Part 14: Flexible cables (cords), insulated and sheathed with halogen-free thermoplastic compounds (HD 21.14 S1:2003)
- zamijenjena s: HRN EN 50525-3-11:2012

HRN HD 21.15 S1:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s termoplastičnom izolacijom – 15. dio: Jednožilni kabeli, izolirani i oplašteni bezhalogenim termoplastičnim smjesama, za čvrsto ožičenje (HD 21.15 S1:2006)
Cables of rated voltages up to and including 450/750 V and having thermoplastic insulation – Part 15: Single core cables, insulated with halogen-free thermoplastic compound, for fixed wiring (HD 21.15 S1:2006)
- zamijenjena s: HRN EN 50525-3-31:2012

HRN EN 50262:2007 en
Kabelske uvodnice za električne instalacije (EN 50262:1998)
Metric cable glands for electrical installations (EN 50262:1998)
- zamijenjena s: HRN EN 62444:2014

- HRN EN 50262:2007/A1:2007 en
Kabelske uvodnice za električne instalacije (EN 50262:1998/A1:2001)
Metric cable glands for electrical installations (EN 50262:1998/A1:2001)
- zamijenjena s: HRN EN 62444:2014
- HRN EN 50262:2007/A2:2007 en
Kabelske uvodnice za električne instalacije (EN 50262:1998/A2:2004)
Cable glands for electrical installations (EN 50262:1998/A2:2004)
- zamijenjena s: HRN EN 62444:2014
- HRN EN 50262:2007/Ispr.1:2012 en
Kabelske uvodnice za električne instalacije (EN 50262:1998/AC:1998)
Cable glands for electrical installations (EN 50262:1998/AC:1998)
- zamijenjena s: HRN EN 62444:2014
- HRN EN 50264-2:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Standardna debljina izolacije – 2. dio: Jednožilni kabeli (EN 50264-2:2002)
Railway applications – Railway rolling stock cables having special fire performance – Standard wall – Part 2: Single core cable (EN 50264-2:2002)
- zamijenjena s: HRN EN 50264-2-1:2008
- HRN EN 50264-3:2007 en
Željezničke primjene – Kabeli za željeznička vozila s posebnom postojanošću na vatru – Standardna debljina izolacije – 3. dio: Višežilni kabeli (EN 50264-3:2002)
Railway applications – Railway rolling stock cables having special fire performance – Standard wall – Part 3: Multicore cables (EN 50264-3:2002)
- zamijenjena s: HRN EN 50264-2-2:2008
- HRN EN 50266-1:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – 1. dio: Uređaji (EN 50266-1:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 1: Apparatus (EN 50266-1:2001)
- zamijenjena s: HRN EN 60332-3-10:2010
- HRN EN 50266-2-1:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – Dio 2-1: Postupci – Kategorija A F/R (EN 50266-2-1:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 2-1: Procedures – Category A F/R (EN 50266-2-1:2001)
- zamijenjena s: HRN EN 60332-3-21:2010
- HRN EN 50266-2-2:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – Dio 2-2: Postupci – Kategorija A (EN 50266-2-2:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 2-2: Procedures – Category A (EN 50266-2-2:2001)
- zamijenjena s: HRN EN 60332-3-22:2010
- HRN EN 50266-2-3:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – Dio 2-3: Postupci – Kategorija B (EN 50266-2-3:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 2-3: Procedures – Category B (EN 50266-2-3:2001)
- zamijenjena s: HRN EN 60332-3-23:2010
- HRN EN 50266-2-4:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – Dio 2-4: Postupci – Kategorija C (EN 50266-2-4:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 2-4: Procedures – Category C (EN 50266-2-4:2001)
- zamijenjena s: HRN EN 60332-3-24:2010
- HRN EN 50266-2-5:2007 en
Opće metode ispitivanja kabela pod djelovanjem vatre – Ispitivanje uspravnog širenja plamena na snopu uspravno položenih vodova ili kabela – Dio 2-5: Postupci – Kategorija D (EN 50266-2-5:2001)
Common test methods for cables under fire conditions – Test for vertical flame spread of vertically-mounted bunched wires or cables – Part 2-5: Procedures – Small cables – Category D (EN 50266-2-5:2001)
- zamijenjena s: HRN EN 60332-3-25:2010
- HRN EN 50355:2007 en
Željezničke primjene – Kabeli s posebnom postojanošću na vatru za željeznička vozila – Smanjena i standardna debljina izolacije – Upute za uporabu (EN 50355:2003)
Railway applications – Railway rolling stock cables having special fire performance – Thin wall and standard wall – Guide to use (EN 50355:2003)
- zamijenjena s: HRN EN 50355:2014
- HRN EN 50356:2007 en
Postupak suhog prolaznog naponskog ispitivanja kabela (EN 50356:2002)
Method for spark testing of cables (EN 50356:2002)
- zamijenjena s: HRN EN 62230:2008
- HRS CLC/TS 50576:2014 en
Električni kabeli – Proširenje primjene rezultata ispitivanja (CLC/TS 50576:2014)
Electric cables – Extended application of test results (CLC/TS 50576:2014)
- zamijenjena s: HRS CLC/TS 50576:2017
- HRN EN 60811-1-1:2001 en
Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-1: Opća primjena – Mjerenje debljina i vanjskih dimenzija – Ispitivanja za određivanje mehaničkih svojstava (IEC 60811-1-1:1993; EN 60811-1-1:1995)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-1: General application – Measurement of thickness and overall dimensions – Tests for determining the mechanical properties (IEC 60811-1-1:1993; EN 60811-1-1:1995)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-201:2013, HRN EN 60811-202:2013, HRN EN 60811-203:2013, HRN EN 60811-501:2013
- HRN EN 60811-1-1:2001/A1:2007 en
Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-1: Opća primjena – Mjerenje debljina i vanjskih dimenzija – Ispitivanja za određivanje mehaničkih svojstava (IEC 60811-1-1:1993/am1:2001; EN 60811-1-1:1995/A1:2001)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-1: General application – Measurement of thickness and overall dimensions – Tests for determining the mechanical properties (IEC 60811-1-1:1993/am1:2001; EN 60811-1-1:1995/A1:2001)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-201:2013, HRN EN 60811-202:2013, HRN EN 60811-203:2013, HRN EN 60811-501:2013
- HRN EN 60811-1-2:2001 en
Materijali za izolacije i plašteve električnih kabela – Opće metode ispitivanja – Dio 1-2: Opća primjena – Toplinske metode starenja (IEC 60811-1-2:1985+Corr:1986+am1:1989; EN 60811-1-2:1995)
Insulating and sheathing materials of electric cables – Common test methods – Part 1-2: General application – Thermal ageing methods (IEC 60811-1-2:1985+Corr:1986+am1:1989; EN 60811-1-2:1995)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-401:2013, HRN EN 60811-412:2013
- HRN EN 60811-1-2:2001/A2:2007 en
Materijali za izolacije i plašteve električnih kabela – Opće metode ispitivanja – Dio 1-2: Opća primjena – Toplinske metode starenja (IEC 60811-1-2:1985/am2:2000; EN 60811-1-2:1995/A2:2000)
Insulating and sheathing materials of electric cables – Common test methods – Part 1-2: General application – Thermal ageing methods (IEC 60811-1-2:1985/am2:2000; EN 60811-1-2:1995/A2:2000)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-401:2013, HRN EN 60811-412:2013

HRN EN 60811-1-3:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-3: Opća primjena – Metode za određivanje gustoće – Ispitivanje upijanja vode – Ispitivanje skupljanja (IEC 60811-1-3:1993; EN 60811-1-3:1995)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-3: General application – Methods for determining the density – Water absorption tests – Shrinkage test (IEC 60811-1-3:1993; EN 60811-1-3:1995)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-402:2013, HRN EN 60811-502:2013, HRN EN 60811-503:2013, HRN EN 60811-606:2013

HRN EN 60811-1-3:2001/A1:2007 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-3: Opća primjena – Metode za određivanje gustoće – Ispitivanje upijanja vode – Ispitivanje skupljanja (IEC 60811-1-3:1993/am1:2001; EN 60811-1-3:1995/A1:2001)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-3: General application – Methods for determining the density – Water absorption tests – Shrinkage test (IEC 60811-1-3:1993/am1:2001; EN 60811-1-3:1995/A1:2001)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-402:2013, HRN EN 60811-502:2013, HRN EN 60811-503:2013, HRN EN 60811-606:2013

HRN EN 60811-1-4:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-4: Opća primjena – Ispitivanje na niskoj temperaturi (IEC 60811-1-4:1985+Corr:1986+am1:1993; EN 60811-1-4:1995)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-4: General application – Tests at low temperature (IEC 60811-1-4:1985+Corr:1986+am1:1993; EN 60811-1-4:1995)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-504:2013, HRN EN 60811-505:2013, HRN EN 60811-506:2013

HRN EN 60811-1-4:2001/A2:2007 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 1-4: Opća primjena – Ispitivanje na niskoj temperaturi (IEC 60811-1-4:1985/am2:2001; EN 60811-1-4:1995/A2:2001)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 1-4: General application – Tests at low temperature (IEC 60811-1-4:1985/am2:2001; EN 60811-1-4:1995/A2:2001)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-504:2013, HRN EN 60811-505:2013, HRN EN 60811-506:2013

HRN EN 60811-2-1:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 2-1: Posebne metode za elastomerne smjese – Otpornost na ozon, umreživanje i ispitivanja uranjanjem u mineralno ulje (IEC 60811-2-1:1998; EN 60811-2-1:1998)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 2-1: Methods specific to elastomeric compounds – Ozone resistance, hot set and mineral oil immersion tests (IEC 60811-2-1:1998; EN 60811-2-1:1998)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-403:2013, HRN EN 60811-404:2013, HRN EN 60811-507:2013

HRN EN 60811-2-1:2001/A1:2007 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 2-1: Posebne metode za elastomerne smjese – Otpornost na ozon, umreživanje i ispitivanja uranjanjem u mineralno ulje (IEC 60811-2-1:1998/am1:2001; EN 60811-2-1:1998/A1:2001)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 2-1: Methods specific to elastomeric compounds – Ozone resistance, hot set and mineral oil immersion tests (IEC 60811-2-1:1998/am1:2001; EN 60811-2-1:1998/A1:2001)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-403:2013, HRN EN 60811-404:2013, HRN EN 60811-507:2013

HRN EN 60811-3-1:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 3-1: Posebne metode za PVC smjese – Ispitivanje na tlak kod visokih temperatura – Ispitivanje otpornosti na pucanje (IEC 60811-3-1:1985+Corr:1986+am1:1994; EN 60811-3-1:1995+A1:1996)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 3-1: Methods specific to PVC compounds – Pressure test at high temperature – Tests for resistance to cracking (IEC 60811-3-1:1985+Corr:1986+am1:1994; EN 60811-3-1:1995+A1:1996)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-508:2013, HRN EN 60811-509:2013

HRN EN 60811-3-1:2001/A2:2007 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 3-1: Posebne metode za PVC smjese – Ispitivanje na tlak kod visokih temperatura – Ispitivanje otpornosti na pucanje (IEC 60811-3-1:1985/am2:2001; EN 60811-3-1:1995/A2:2001)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 3-1: Methods specific to PVC compounds – Pressure test at high temperature – Tests for resistance to cracking (IEC 60811-3-1:1985/am2:2001; EN 60811-3-1:1995/A2:2001)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-508:2013, HRN EN 60811-509:2013

HRN EN 60811-3-2:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 3-2: Metode specifične za PVC smjese – Ispitivanje gubitka mase – Ispitivanje toplinske stabilnosti (IEC 60811-3-2:1985+Corr:1986+am1:1993; EN 60811-3-2:1995)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 3-2: Methods specific to PVC compounds – Loss of mass test – Thermal stability test (IEC 60811-3-2:1985+Corr:1986+am1:1993; EN 60811-3-2:1995)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-405:2013, HRN EN 60811-409:2013

HRN EN 60811-3-2:2001/A2:2007 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – Dio 3-2: Metode specifične za PVC smjese – Ispitivanje gubitka mase – Ispitivanje toplinske stabilnosti (IEC 60811-3-2:1985/am2:2003; EN 60811-3-2:1995/A2:2004)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 3-2: Methods specific to PVC compounds – Loss of mass test – Thermal stability test (IEC 60811-3-2:1985/am2:2003; EN 60811-3-2:1995/A2:2004)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-405:2013, HRN EN 60811-409:2013

HRN EN 60811-4-1:2007 en

Materijali za izolacije i plašteve za električne i svjetlovodne kabele – Opće ispitne metode – Dio 4-1: Metode namijenjene za smjese polietilena i polipropilena – Otpornost na lom zbog vanjskih utjecaja – Mjerenje indeksa masenoga protoka taline – Mjerenje sadržaja čađe i/ili mineralnih punila u polietilenu izravnim izgaranjem – Mjerenje sadržaja čađe termogravimetrijskom analizom – Provjera raspršenja čađe u polietilenu uporabom mikroskopa (IEC 60811-4-1:2004; EN 60811-4-1:2004)
Insulating and sheathing materials of electric and optical cables – Common test methods – Part 4-1: Methods specific to polyethylene and polypropylene compounds – Resistance to environmental stress cracking – Measurement of the melt flow index – Carbon black and/or mineral filler content measurement in polyethylene by direct combustion – Measurement of carbon black content by termogravimetric analysis (TGA) – Assessment of carbon black dispersion in polyethylene using a microscope (IEC 60811-4-1:2004; EN 60811-4-1:2004)
- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-406:2013, HRN EN 60811-511:2013, HRN EN 60811-605:2013, HRN EN 60811-607:2013

HRN EN 60811-4-2:2007 en

Materijali za izolacije i plašteve za električne i svjetlovodne kabele – Opće ispitne metode – Dio 4-2: Metode namijenjene za smjese polietilena i polipropilena – Prekidna čvrstoća i istezanje do prekida nakon zagrijavanja na povišenoj temperaturi – Ispitivanje savitljivosti nakon zagrijavanja na povišenoj temperaturi – Ispitivanje savitljivosti nakon toplinskog starenja u zraku – Mjerenje prirasta mase – Ispitivanje dugotrajne stabilnosti – Ispitna metoda oksidacijske degradacije uz katalitičko djelovanje bakra (IEC 60811-4-2:2004; EN 60811-4-2:2004)

Insulating and sheathing materials of electric and optical cables – Common test methods – Part 4-2: Methods specific to polyethylene and polypropylene compounds – Tensile strength and elongation at break after conditioning at elevated temperature – Wrapping test after conditioning at elevated temperature – Wrapping test after thermal ageing in air – Measurement of mass increase – Long-term stability test – Test method for copper-catalyzed oxidative degradation (IEC 60811-4-2:2004; EN 60811-4-2:2004)

-zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-407:2013, HRN EN 60811-408:2013, HRN EN 60811-410:2013, HRN EN 60811-510:2013, HRN EN 60811-512:2013, HRN EN 60811-513:2013

HRN EN 60811-5-1:2001 en

Materijali za izolacije i plašteve električnih i svjetlovodnih kabela – Opće metode ispitivanja – 5. dio: Posebne metode za smjese za punjenje – Odjeljak 1: Kapljište – Odvajanje ulja – Niskotemperaturna lomljivost – Ukupni kiselinski broj – Odsustvo korozivnih sastojaka – dielektričnost na 23 °C – D.C. otpornost na 23 °C i 100 °C (IEC 60811-5-1:1990, izmjenjen; EN 60811-5-1:1999)

Insulation and sheathing materials of electric and optical fibre cables – Common test method – Part 5: Method specific to filling compounds – Section 1: Drop point – Separation of oil – Lower temperature brittleness – Total acid number – Absence of corrosive components – Permittivity at 23 °C – D.C. resistivity at 23 °C and 100 °C (IEC 60811-5-1:1990, modified; EN 60811-5-1:1999)

- zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-301:2013, HRN EN 60811-302:2013, HRN EN 60811-411:2013, HRN EN 60811-601:2013, HRN EN 60811-602:2013, HRN EN 60811-603:2013

HRN EN 60811-5-1:2001/A1:2007 en

Materijali za izolacije i plašteve za električne i svjetlovodne kabele – Opće ispitne metode – Dio 5-1: Posebne metode za smjese za punjenje – Kapljište – Odvajanje ulja – Niskotemperaturna lomljivost – Ukupni kiselinski broj – Odsutnost korozivnih sastojaka – Dielektričnost na 23 °C – Otpornost kod istosmjernje struje na 23 °C i 100 °C (IEC 60811-5-1:1990/A1:2003; EN 60811-5-1:1999/A1:2004)

Insulating and sheathing materials of electric and optical cables – Common test methods – Part 5-1: Methods specific to filling compounds – Drop point – Separation of oil – Lower temperature brittleness – Total acid number – Absence of corrosive components – Permittivity at 23 °C – D.C. resistivity at 23 °C and 100 °C (IEC 60811-5-1:1990/A1:2003; EN 60811-5-1:1999/A1:2004)

-zamijenjena s: HRN EN 60811-100:2013, HRN EN 60811-301:2013, HRN EN 60811-302:2013, HRN EN 60811-411:2013, HRN EN 60811-601:2013, HRN EN 60811-602:2013, HRN EN 60811-603:2013

HZN/TO E23, Električni instalacijski pribor

HRN EN 50368:2007 en

Kabelske obujmice za električne instalacije (EN 50368:2003)
Cable cleats for electrical installations (EN 50368:2003)
- zamijenjena s: HRN EN 61914:2010

HZN/TO E31, Eksplozivne atmosfere

HRN EN 50050:2009 en

Električni uređaji za potencijalno eksplozivne atmosfere – Elektrostatična ručna oprema za raspršivanje (EN 50050:2006)
Electrical apparatus for potentially explosive atmospheres – Electrostatic hand-held spraying equipment (EN 50050:2006)
- zamijenjena s: HRN EN 50050-1:2013, HRN EN 50050-2:2013, HRN EN 50050-3:2013

HRN CLC/TR 50404:2004 en

Elektrostatika – Tehnički propisi za izbjegavanje opasnosti od statičkog elektriciteta (CLC/TR 50404:2003)
Electrostatics – Code of practice for avoidance of hazards due to static electricity (CLC/TR 50404:2003)
- zamijenjena s: HRI CLC/TR 60079-32-1:2015

HRN EN 60079-0:2009 en

Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (IEC 60079-0:2007; EN 60079-0:2009)
Explosive atmospheres – Part 0: Equipment – General requirements (IEC 60079-0:2007; EN 60079-0:2009)
- zamijenjena s: HRN EN 60079-0:2012

HRN EN 60079-14:2009 en

Eksplozivne atmosfere – 14. dio: Projektiranje, odabir i izvođenje električnih instalacija (IEC 60079-14:2007; EN 60079-14:2008)
Explosive atmospheres – Part 14: Electrical installations design, selection and erection (IEC 60079-14:2007; EN 60079-14:2008)
- zamijenjena s: HRN EN 60079-14:2014

HRN EN 60079-14:2009/Ispr.1:2012 en

Eksplozivne atmosfere – 14. dio: Projektiranje, odabir i izvođenje električnih instalacija (EN 60079-14:2008/AC:2011)
Explosive atmospheres – Part 14: Electrical installations design, selection and erection (EN 60079-14:2008/AC:2011)
- zamijenjena s: HRN EN 60079-14:2014

HRN EN 60079-31:2010 en

Eksplozivne atmosfere – 31. dio: Vrsta zaštite opreme za prašine – Zaštita kucištem "t" (IEC 60079-31:2008+Corr.:2009; EN 60079-31:2009)
Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t" (IEC 60079-31:2008+Corr.:2009; EN 60079-31:2009)
- zamijenjena s: HRN EN 60079-31:2014

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 50294:2008 en

Metoda mjerenja ukupne ulazne snage u spojevima žarulje i prigušnice (EN 50294:1998+A1:2001+A2:2003)
Measurement method of total input power of ballast-lamp circuits (EN 50294:1998+A1:2001+A2:2003)
- zamijenjena s: HRN EN 62442-1:2012

HRN EN 60598-2-2:2008 en

Svjetiljke – 2. dio: Posebni zahtjevi – 2. poglavlje: Ukopane svjetiljke (IEC 60598-2-2:1996+am1:1997; EN 60598-2-2:1996+A1:1997)
Luminaires – Part 2: Particular requirements – Section 2: Recessed luminaires (IEC 60598-2-2:1996+am1:1997; EN 60598-2-2:1996+A1:1997)
- zamijenjena s: HRN EN 60598-2-2:2012

HRN EN 60598-2-24:2008 en

Svjetiljke – 2. dio: Posebni zahtjevi – 24. poglavlje: Svjetiljke s ograničenim površinskim temperaturama (IEC 60598-2-24:1997, MOD; EN 60598-2-24:1998)
Luminaires – Part 2: Particular requirements – Section 24: Luminaires with limited surface temperatures (IEC 60598-2-24:1997, MOD; EN 60598-2-24:1998)
- zamijenjena s: HRN EN 60598-2-24:2013

HRN EN 60598-2-6:2008 en

Svjetiljke – 2. dio: Posebni zahtjevi – 6. poglavlje: Svjetiljke s ugrađenim transformatorima ili pretvaračima za žarulje sa žarnom niti (IEC 60598-2-6:1994+am1:1996; EN 60598-2-6:1994+A1:1997)
Luminaires – Part 2: Particular requirements – Section 6: Luminaires with built-in transformers or converters for filament lamps (IEC 60598-2-6:1994+am1:1996; EN 60598-2-6:1994+A1:1997)
- bez zamjene

HRN EN 60925:2008 en

Elektroničke prigušnice koje se napajaju istosmjernom strujom namijenjene fluorescentnim cijevima – Izvedbeni zahtjevi (IEC 60925:1989+am1:1996+am2:2001; EN 60925:1991+A1:1996+A2:2001)
D.C. supplied electronic ballasts for tubular fluorescent lamps – Performance requirements (IEC 60925:1989+am1:1996+am2:2001; EN 60925:1991+A1:1996+A2:2001)
- zamijenjena s: HRN EN 60929:2012

HZN/TO E37, Odvodnici prenapona

HRS CLC/TS 50539-12:2011 en

Prenaponske zaštitne naprave za niski napon – Prenaponske zaštitne naprave za posebnu primjenu uključujući istosmjernu struju – 12. dio: Načela odabira i primjene – SPD-i spojeni na fotonaponske instalacije (CLC/TS 50539-12:2010)
Low-voltage surge protective devices – Surge protective devices for specific application including d.c. – Part 12: Selection and application principles – SPDs connected to photovoltaic installations (CLC/TS 50539-12:2010)
- zamijenjena s: HRS CLC/TS 50539-12:2014

HRN EN 60099-1:2008 en
Odvodnici prenapona – 1. dio: Odvodnici prenapona s nelinearnim otpornicima i iskrištima za sustave izmjenične struje (IEC 60099-1:1991+am1:1999; EN 60099-1:1994+A1:1999)
Surge arresters – Part 1: Non-linear resistor type gapped surge arresters for a.c. systems (IEC 60099-1:1991+am1:1999; EN 60099-1:1994+A1:1999)
- bez zamjene

HRS CLC/TS 61643-22:2008 en
Prenaponske zaštitne naprave za niski napon – 22. dio: Prenaponske zaštitne naprave spojene na telekomunikacijske i signalne mreže – Načela odabira i primjene (IEC 61643-22:2004, MOD; CLC/TS 61643-22:2006)
Low-voltage surge protective devices – Part 22: Surge protective devices connected to telecommunications and signalling networks – Selection and application principles (IEC 61643-22:2004, MOD; CLC/TS 61643-22:2006)
- zamijenjena s: HRS CLC/TS 61643-22:2017

HZN/TO E38, Mjerni transformatori

HRN EN 60044-1/A2:2006 en
Mjerni transformatori – 1. dio: Strujni transformatori (IEC 60044-1:1996/am2:2002; EN 60044-1:1999/A2:2003)
Instrument transformers – Part 1: Current transformers (IEC 60044-1:1996/am2:2002; EN 60044-1:1999/A2:2003)
- zamijenjena s: HRN EN 61869-2:2013

HRN EN 60044-1:2001 en
Mjerni transformatori – 1. dio: Strujni transformatori (IEC 60044-1:1996, preinačena+A1:2000; EN 60044-1:1999+A1:2000)
Instrument transformers – Part 1: Current transformers (IEC 60044-1:1996, modified+A1:2000; EN 60044-1:1999+A1:2000)
- zamijenjena s: HRN EN 61869-2:2013

HRN EN 60044-2/A2:2006 en
Mjerni transformatori – 2. dio: Induktivni naponski transformatori (IEC 60044-2:1997/am2:2002; EN 60044-2:1999/A2:2003)
Instrument transformers – Part 2: Inductive voltage transformers (IEC 60044-2:1997/am2:2002; EN 60044-2:1999/A2:2003)
- zamijenjena s: HRN EN 61869-3:2012

HRN EN 60044-2:2001 en
Mjerni transformatori – 2. dio: Induktivni naponski transformatori (IEC 60044-2:1997, preinačena+A1:2000; EN 60044-2:1999+A1:2000)
Instrument transformers – Part 2: Inductive voltage transformers (IEC 60044-2:1997, modified+A1:2000; EN 60044-2:1999+A1:2000)
- zamijenjena s: HRN EN 61869-3:2012

HRN EN 60044-3:2006 en
Mjerni transformatori – 3. dio: Kombinirani transformatori (IEC 60044-3:2002; EN 60044-3:2003)
Instrument transformers – Part 3: Combined transformers (IEC 60044-3:2002; EN 60044-3:2003)
- zamijenjena s: HRN EN 61869-4:2014

HRN EN 60044-5:2006 en
Mjerni transformatori – 5. dio: Kapacitivni naponski transformatori (IEC 60044-5:2004; EN 60044-5:2004)
Instrument transformers – Part 5: Capacitor voltage transformers (IEC 60044-5:2004; EN 60044-5:2004)
- zamijenjena s: HRN EN 61869-5:2012

HRN EN 60044-6:2001 en
Mjerni transformatori – 6. dio: Zahtjevi na strujne transformatore za zaštitu pri djelovanju u prijelaznim stanjima (IEC 60044-6:1992, preinačena; EN 60044-6:1999)
Instrument transformers – Part 6: Requirements for protective current transformers for transient performance (IEC 60044-6:1992, modified; EN 60044-6:1999)
- zamijenjena s: HRN EN 61869-2:2013

HZN/TO E45, Nuklearna instrumentacija

HRN HD 357 S2:2005 en
Modularni instrumentacijski sustav za obradu podataka – CAMAC sustav (IEC 60516:1975+am1:1984; HD 357 S2:1987)
A modular instrumentation system for data handling – CAMAC system (IEC 60516:1975+am1:1984; HD 357 S2:1987)
- bez zamjene

HRN HD 370 S2:2005 en
Modularna jedinica i standardna kutija od 19 inča za standardan NIM (za elektroničke nuklearne instrumente) (IEC 60547:1976+am1:1985; HD 370 S2:1987)
Modular plug-in unit and standard 19-inch rack mounting unit based on NIM standard (for electronic nuclear instruments) (IEC 60547:1976+am1:1985; HD 370 S2:1987)
- bez zamjene

HRN HD 374 S2:2005 en
CAMAC – Organizacija višejediničnih sustava – Specifikacija "Branch-highway" i CAMAC jediničnog upravljačkog sklopa tip A1 (IEC 60552:1977+am1:1984; HD 374 S2:1986)
CAMAC – Organization of multi-crate systems – Specification of the Branch-highway and CAMAC crate controller Type A1 (IEC 60552:1977+am1:1984; HD 374 S2:1986)
- bez zamjene

HRN HD 417 S2:2005 en
CAMAC – Serijski opći sučelni sustav (IEC 60640:1979+am1:1984; HD 417 S2:1987)
CAMAC – Serial Highway Interface System (IEC 60640:1979+am1:1984; HD 417 S2:1987)
- bez zamjene

HRN HD 431 S1:2005 en
Prijenosni blokovi u CAMAC sustavima (IEC 60677:1980; HD 431 S1:1983)
Block transfers in CAMAC system (IEC 60677:1980; HD 431 S1:1983)
- bez zamjene

HRN HD 445 S1:2005 en
Potprogrami za CAMAC (IEC 60713:1981; HD 445 S1:1983)
Subroutines for CAMAC (IEC 60713:1981; HD 445 S1:1983)
- bez zamjene

HRN HD 453 S1:2005 en
Višestruke upravljačke jedinice u CAMAC jedinici (IEC 60729:1982; HD 453 S1:1984)
Multiple controllers in a CAMAC crate (IEC 60729:1982; HD 453 S1:1984)
- bez zamjene

HRN HD 462 S1:2005 en
Oprema za praćenje procesnog toka zračenja u lakovodnim reaktorima u normalnom radu i u slučaju nezgode (IEC 60768:1983; HD 462 S1:1987)
Process stream radiation monitoring equipment in light water nuclear reactors for normal operating and incident conditions (IEC 60768:1983; HD 462 S1:1987)
- bez zamjene

HRN HD 475 S1:2001 en
Dimenzije posuda (planšeta) koje se koriste u nuklearnim elektroničkim instrumentima (IEC 60248:1984; HD 475 S1:1986)
Dimensions of planchets used in nuclear electronic instruments (IEC 60248:1984; HD 475 S1:1986)
- bez zamjene

HRN EN 60405:2008 en
Nuklearna instrumentacija – Konstrukcijski zahtjevi i razdioba radiometrijskih brojača (IEC 60405:2003, MOD; EN 60405:2007)
Nuclear instrumentation – Constructional requirements and classification of radiometric gauges (IEC 60405:2003, MOD; EN 60405:2007)
- zamijenjena s: HRN EN 62598:2013

HZN/TO E55, Žice za namote

HRN EN 60317-0-1:2008 en
Specifikacije pojedinih vrsta žica za namote – Dio 0-1: Opći zahtjevi – Okrugla bakrena lakirana žica (IEC 60317-0-1:2008; EN 60317-0-1:2008)
Specifications for particular types of winding wires – Part 0-1: General requirements – Enamelled round copper wire (IEC 60317-0-1:2008; EN 60317-0-1:2008)
- zamijenjena s: HRN EN 60317-0-1:2014

HRN EN 60317-0-2:2001 en
Specifikacije pojedinih vrsta žica za namote – Dio 0-2: Opći zahtjevi – Profilna bakrena lakirana žica (IEC 60317-0-2:1997+A1:1999; EN 60317-0-2:1998+A1:2000)
Specifications for particular types of winding wires – Part 0-2: General requirements – Enamelled rectangular copper wire (IEC 60317-0-2:1997+A1:1999; EN 60317-0-2:1998+A1:2000)
- zamijenjena s: HRN EN 60317-0-2:2014

- HRN EN 60317-0-2:2001/A2:2008 en
Specifikacije pojedinih vrsta žica za namote – Dio 0-2: Opći zahtjevi – Profilna bakrena lakirana žica (IEC 60317-0-2:1997/am2:2005; EN 60317-0-2:1998/A2:2005)
Specifications for particular types of winding wires – Part 0-2: General requirements – Enamelled rectangular copper wire (IEC 60317-0-2:1997/am2:2005; EN 60317-0-2:1998/A2:2005)
- zamijenjena s: HRN EN 60317-0-2:2014
- HRN EN 60317-20:2001 en
Specifikacije pojedinih vrsta žica za namote – 20. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 155 (IEC 60317-20:1990+A1:1997+A2:1999; EN 60317-20:1995+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 20: Solderable polyurethane enamelled round copper wire, class 155 (IEC 60317-20:1990+A1:1997+A2:1999; EN 60317-20:1995+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-20:2014
- HRN EN 60317-21:2001 en
Specifikacije pojedinih vrsta žica za namote – 21. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, prekrivena poliamidom, razreda 155 (IEC 60317-21:1990+A1:1997+A2:1999; EN 60317-21:1995+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155 (IEC 60317-21:1990+A1:1997+A2:1999; EN 60317-21:1995+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-21:2014
- HRN EN 60317-23:2001 en
Specifikacije pojedinih vrsta žica za namote – 23. dio: Poliestermidom lakirana lemljiva okrugla bakrena žica, razreda 180 (IEC 60317-23:1990+A1:1997+A2:1999; EN 60317-23:1995+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:1990+A1:1997+A2:1999; EN 60317-23:1995+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-23:2014
- HRN EN 60317-27:2001 en
Specifikacije pojedinih vrsta žica za namote – 27. dio: Profilna bakrena žica prekrivena papirnom trakom (IEC 60317-27:1998+A1:1999; EN 60317-27:1998+A1:2000)
Specifications for particular types of winding wires – Part 27: Paper tape covered rectangular copper wire (IEC 60317-27:1998+A1:1999; EN 60317-27:1998+A1:2000)
- zamijenjena s: HRN EN 60317-27:2014
- HRN EN 60317-28:2001 en
Specifikacije pojedinih vrsta žica za namote – 28. dio: Poliestermidom lakirana profilna bakrena žica, razreda 180 (IEC 60317-28:1990+A1:1997; EN 60317-28:1996+A1:1998)
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:1990+A1:1997; EN 60317-28:1996+A1:1998)
- zamijenjena s: HRN EN 60317-28:2014
- HRN EN 60317-28:2001/A2:2008 en
Specifikacije pojedinih vrsta žica za namote – 28. dio: Poliestermidom lakirana profilna bakrena žica, razreda 180 (IEC 60317-28:1990/am2:2007; EN 60317-28:1996/A2:2007)
Specifications for particular types of winding wires – Part 28: Polyesterimide enamelled rectangular copper wire, class 180 (IEC 60317-28:1990/am2:2007; EN 60317-28:1996/A2:2007)
- zamijenjena s: HRN EN 60317-28:2014
- HRN EN 60317-35:2001 en
Specifikacije pojedinih vrsta žica za namote – 35. dio: Poliuretanom lakirana lemljiva okrugla bakrena žica, razreda 155, svezivnimslojem (IEC 60317-35:1992+A1:1997+A2:1999; EN 60317-35:1994+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:1992+A1:1997+A2:1999; EN 60317-35:1994+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-35:2014
- HRN EN 60317-36:2001 en
Specifikacije pojedinih vrsta žica za namote – 36. dio: Poliestermidom lakirana lemljiva okrugla bakrena žica, razreda 180, svezivnimslojem (IEC 60317-36:1992+A1:1997+A2:1999; EN 60317-36:1994+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:1992+A1:1997+A2:1999; EN 60317-36:1994+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-36:2014
- HRN EN 60317-37:2001 en
Specifikacije pojedinih vrsta žica za namote – 37. dio: Poliestermidom lakirana lemljiva okrugla bakrena žica, razreda 180, svezivnimslojem (IEC 60317-37:1992+A1:1997+A2:1999; EN 60317-37:1994+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:1992+A1:1997+A2:1999; EN 60317-37:1994+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-37:2014
- HRN EN 60317-38:2001 en
Specifikacije pojedinih vrsta žica za namote – 38. dio: Poliester ili poliestermidom lakirana okrugla bakrena žica, prekrivena poliamidimidom, razreda 200, s vezivnim slojem (IEC 60317-38:1992+A1:1997+A2:1999; EN 60317-38:1994+A1:1998+A2:2000)
Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:1992+A1:1997+A2:1999; EN 60317-38:1994+A1:1998+A2:2000)
- zamijenjena s: HRN EN 60317-38:2014
- HRN EN 60317-46:2001 en
Specifikacije pojedinih vrsta žica za namote – 46. dio: Aromatskim polimidom lakirana okrugla bakrena žica, razreda 240 (IEC 60317-46:1997; EN 60317-46:1997)
Specifications for particular types of winding wires – Part 46: Aromatic polyimide enamelled round copper wires, class 240 (IEC 60317-46:1997; EN 60317-46:1997)
- zamijenjena s: HRN EN 60317-46:2014
- HRN EN 60317-47:2001 en
Specifikacije pojedinih vrsta žica za namote – 47. dio: Aromatskim polimidom lakirana profilna bakrena žica, razreda 240 (IEC 60317-47:1997; EN 60317-47:1997)
Specifications for particular types of winding wires – Part 47: Aromatic polyimide enamelled rectangular copper wire, class 240 (IEC 60317-47:1997; EN 60317-47:1997)
- zamijenjena s: HRN EN 60317-47:2014
- HRN EN 60317-55:2008 en
Specifikacije pojedinih vrsta žica za namote – 55. dio: Poliuretanom lakirana okrugla bakrena lemljiva žica prekrivena poliamidimidom razreda 180 (IEC 60317-55:2007; EN 60317-55:2008)
Specifications for particular types of winding wires – Part 55: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 180 (IEC 60317-55:2007; EN 60317-55:2008)
- zamijenjena s: HRN EN 60317-55:2014

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

- HRN EN 50087:2005 en
Sigurnost kućanskih i sličnih električnih aparata – Posebni zahtjevi za hladnjake svježe pomuzenog mlijeka (EN 50087:1993)
Safety of household and similar electrical appliances – Particular requirements for bulk-milk coolers (EN 50087:1993)
- bez zamjene
- HRN EN 50088/A2:2005 en
Sigurnost električnih igračaka (EN 50088:1996/A2:1997)
Safety of electric toys (EN 50088:1996/A2:1997)
- zamijenjena s: HRN EN 62115:2008
- HRN EN 50088/A3:2005 en
Sigurnost električnih igračaka (EN 50088:1996/A3:2002)
Safety of electric toys (EN 50088:1996/A3:2002)
- zamijenjena s: HRN EN 62115:2008
- HRN EN 50088:1998 en
Sigurnost električnih igračaka (EN 50088:1996+A1:1996+A2:1997)
Safety of electric toys (EN 50088:1996+A1:1996+A2:1997)
- zamijenjena s: HRN EN 62115:2008

- HRN EN 50144-2-13:2008 en
Sigurnost ručnih elektromotornih alata – Dio 2-13: Posebni zahtjevi za lančane pile (EN 50144-2-13:2002)
Safety of hand-held electric motor operated tools – Part 2-13: Particular requirements for chain saws (EN 50144-2-13:2002)
- zamijenjena s: HRN EN 60745-2-13:2008
- HRN EN 50144-2-15:2008 en
Sigurnost ručnih elektromotornih alata – Dio 2-15: Posebni zahtjevi za kresalice živice (EN 50144-2-15:2001)
Safety of hand-held electric motor operated tools – Part 2-15: Particular requirements for hedge trimmers (EN 50144-2-15:2001)
- zamijenjena s: HRN EN 60745-2-15:2008
- HRN EN 50144-2-3:2008 en
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Safety of hand-held electric motor operated tools – Part 2-3: Particular requirements for grinders, disk type sanders and polishers (EN 50144-2-3:2002+A1:2002+A2:2003)
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- HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa**
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- zamijenjena s: HRN EN 50446:2008
- HRN EN 50113:2008 en
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- zamijenjena s: HRN EN 50446:2008
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- zamijenjena s: HRN EN 62026-3:2010
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Regulacijski ventili za industrijske procese – Dio 2-1: Protočni kapacitet – Jednadžbe za određivanje protoka tekućine pri instaliranim uvjetima (IEC 60534-2-1:1998+Corr.1:2000; EN 60534-2-1:1998)
Industrial-process control valves – Part 2-1: Flow capacity – Sizing equations for fluid flow under installed conditions (IEC 60534-2-1:1998+Corr.1:2000; EN 60534-2-1:1998)
- zamijenjena s: HRN EN 60534-2-1:2012
- HRN EN 60534-8-2:2008 en
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Industrial-process control valves – Part 8: Noise considerations – Section 2: Laboratory measurement of noise generated by hydrodynamic flow through control valves (IEC 60534-8-2:1991; EN 60534-8-2:1993)
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Controllers with analogue signals for use in industrial-process control systems – Part 1: Methods of evaluating the performance (IEC 60546-1:1987; EN 60546-1:1993)
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Industrijska platinasta otpornička toplinska osjetila (IEC 60751:1983+am1:1986+am2:1995; EN 60751:1995+A2:1995)
Industrial platinum resistance thermometer sensors (IEC 60751:1983+am1:1986+am2:1995; EN 60751:1995+A2:1995)
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Transmitters for use in industrial-process control systems – Part 1: Methods for performance evaluation (IEC 60770-1:1999; EN 60770-1:1999)
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- HZN/TO E69, Cestovna i industrijska električna vozila**
- HRS CLC/TS 50457-1:2008 en
Kontaktno punjenje električnih vozila – 1. dio: Stanica za punjenje istosmjernom strujom (CLC/TS 50457-1:2008)
Conductive charging for electric vehicles – Part 1: D.C. charging station (CLC/TS 50457-1:2008)
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Kontaktno punjenje električnih vozila – 2. dio: Komunikacijski protokol između punjača izvan vozila i električnog vozila (CLC/TS 50457-2:2008)
Conductive charging for electric vehicles – Part 2: Communication protocol between off-board charger and electric vehicle (CLC/TS 50457-2:2008)
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- HRN EN 50340:2008 en
Hidrauličke naprave za rezanje kabela – Uređaji koji se upotrebljavaju u električnim postrojenjima izmjeničnog nazivnog napona do 30 kV (EN 50340:2001)
Hydraulic cable cutting devices – Devices to be used on electrical installations with nominal voltage up to AC 30 kV (EN 50340:2001)
- zamijenjena s: HRN EN 50340:2011
- HRS CLC/TS 50354:2008 en
Ispitne metode utjecaja električnog luka na materijale i radnu odjeću radnika izloženih riziku od električnog luka (CLC/TS 50354:2003)
Electrical arc test methods for material and garments, for use by workers at risk from exposure to an electrical arc (CLC/TS 50354:2003)
- zamijenjena s: HRN EN 61482-1-2:2008
- HRN EN 60743:2007 en
Rad pod naponom – Terminologija za alate, opremu i uređaje (IEC 60743:2001; EN 60743:2001)
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- zamijenjena s: HRN EN 60743:2014
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Izolacijske motke i univerzalni alatni nastavci za rad pod naponom (IEC 60832:1988, MOD; EN 60832:1996)
Insulating poles (insulating sticks) and universal tool attachments (fittings) for live working (IEC 60832:1988, MOD; EN 60832:1996)
- zamijenjena s: HRN EN 60832-1:2011, HRN EN 60832-2:2011
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Rad pod naponom – Ručni alati za rad pod naponom do 1000 V izmjenično i 1500 V istosmjerno (IEC 60900:2004; EN 60900:2004)
Live working – Hand tools for use up to 1000 V a.c. and 1500 V d.c. (IEC 60900:2004; EN 60900:2004)
- zamijenjena s: HRN EN 60900:2013
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Blankets of insulating material for electrical purposes (IEC 61112:1992+Corr.1:2000+am1:2002; CLC/TS 61112:2006)
- zamijenjena s: HRN EN 61112:2011

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Rad pod naponom – Vatrootporni materijali za odjeću radi toplinske zaštite radnika – Toplinski učinci električnog luka – 1. dio: Ispitne metode (IEC 61482-1:2002; CLC/TS 61482-1:2003)
Live working – Flame-resistant materials for clothing for thermal protection of workers – Thermal hazards of an electric arc – Part 1: Test methods (IEC 61482-1:2002; CLC/TS 61482-1:2003)
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Alarm systems – Intrusion and hold-up systems – Part 2-7-1: Intrusion detectors – Glass break detectors (acoustic) (CLC/TS 50131-2-7-1:2009)
- zamijenjena s: HRN EN 50131-2-7-1:2013

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Alarmni sustavi – Protuprovalni i protupreparni sustavi – Dio 2-7-2: Protuprovalni detektori – Detektori loma stakla (pasivni) (CLC/TS 50131-2-7-2:2009)
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Alarm systems – Intrusion and hold-up systems – Part 7: Application guidelines (CLC/TS 50131-7:2008)
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Alarmni sustavi – Sustavi nadzora s pomoću TV zatvorenog kruga – 7. dio: Upute za primjenu (EN 50132-7:1996)
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- zamijenjena s: HRN EN 50132-7:2013

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Alarm systems – Social alarm systems – Part 3: Local unit and controller (EN 50134-3:2001)
- zamijenjena s: HRN EN 50134-3:2013

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Alarmni sustavi – Sustavi i uređaji za prijenos signala alarma – Dio 2-1: Opći zahtjevi za uređaje za prijenos signala alarma (EN 50136-2-1:1998/A1:2001)
Alarm transmission systems and equipment – Part 2-1: General requirements for alarm transmission equipment (EN 50136-2-1:1998/A1:2001)
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Alarmni sustavi – Sustavi i uređaji za prijenos signala alarma – Dio 2-2: Zahtjevi za uređaje u sustavima koji primjenjuju prijenosne putove namijenjene za signale alarma (EN 50136-2-2:1998)
Alarm systems – Alarm transmission systems and equipment – Part 2-2: Requirements for equipment used in systems using dedicated alarm paths (EN 50136-2-2:1998)
- zamijenjena s: HRN EN 50136-2:2013

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Alarm systems – Alarm transmission systems and equipment – Part 2-3: Requirements for equipment used in systems with digital communicators using the public switched telephone network (EN 50136-2-3:1998)
- zamijenjena s: HRN EN 50136-2:2013

HRN EN 50136-2-4:2000 en

Alarmni sustavi – Sustavi i uređaji za prijenos signala alarma – Dio 2-4: Zahtjevi za uređaje u sustavima s komunikatorima s glasom koji primjenjuju javnu komutiranu telefonsku mrežu (EN 50136-2-4:1998)
Alarm systems – Alarm transmission systems and equipment – Part 2-4: Requirements for equipment used in systems with voice communicators using the public switched telephone network (EN 50136-2-4:1998)
- zamijenjena s: HRN EN 50136-2:2013

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HRN EN 61996-1:2008 en

Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Brodski zapisivač podataka o putovanju (VDR) – 1. dio: Zapisivač podataka o putovanju (VDR) – Izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 61996-1:2007; EN 61996-1:2008)
Maritime navigation and radiocommunication equipment and systems – Shipborne voyage data recorder (VDR) – Part 1: Voyage data recorder (VDR) – Performance requirements, methods of testing and required test results (IEC 61996-1:2007; EN 61996-1:2008)
- zamijenjena s: HRN EN 61996-1:2013

HZN/TO E81, Zaštita od munje

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Lightning Protection Components (LPC) – Part 1: Requirements for connection components (EN 50164-1:2008)
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Lightning Protection Components (LPC) – Part 2: Requirements for conductors and earth electrodes (EN 50164-2:2008)
- zamijenjena s: HRN EN 62561-2:2013

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- zamijenjena s: HRN EN 62561-3:2013

HRN EN 50164-3:2007/A1:2011 en
Sastavnice sustava zaštite od munje (LPC) – 3. dio: Zahtjevi za odvojna iskrišta (EN 50164-3:2006/A1:2009)
Lightning Protection Components (LPC) – Part 3: Requirements for isolating spark gaps (EN 50164-3:2006/A1:2009)
- zamijenjena s: HRN EN 62561-3:2013

HRN EN 50164-7:2008 en
Sastavnice sustava zaštite od munje (LPC) – 7. dio: Zahtjevi za smjese za poboljšanje uzemljenja (EN 50164-7:2008)
Lightning Protection Components (LPC) – Part 7: Requirements for earthing enhancing compounds (EN 50164-7:2008)
- zamijenjena s: HRN EN 62561-7:2013

HZN/TO E95, Mjerni releji i zaštitna oprema

HRN EN 60255-3:2008 en
Električni releji – 3. dio: Mjerni releji s jednom ulaznom veličinom s ovisnom ili neovisnom vremenskom karakteristikom (IEC 60255-3:1989, MOD; EN 60255-3:1998)
Electrical relays – Part 3: Single input energizing quantity measuring relays with dependent or independent time (IEC 60255-3:1989, MOD; EN 60255-3:1998)
- zamijenjena s: HRN EN 60255-127:2014, HRN EN 60255-151:2014

HRN EN 60255-3:2008/Ispr.1:2014 en
Električni releji – 3. dio: Mjerni releji s jednom ulaznom veličinom s ovisnom ili neovisnom vremenskom karakteristikom (EN 60255-3:1998/AC:1998)
Electrical relays – Part 3: Single input energizing quantity measuring relays with dependent or independent time (EN 60255-3:1998/AC:1998)
- zamijenjena s: HRN EN 60255-127:2014, HRN EN 60255-151:2014

HRN EN 60255-8:2008 en
Električni releji – 8. dio: Termički električni releji (IEC 60255-8:1990, MOD; EN 60255-8:1998)
Electrical relays – Part 8: Thermal electrical relays (IEC 60255-8:1990, MOD; EN 60255-8:1998)
- zamijenjena s: HRN EN 60255-149:2013

HRN EN 60255-11:2014 en
Mjerni releji i zaštitna oprema – 11. dio: Padovi napona, kratki prekidi, varijacije i kolebanja na priključku pomoćnog izvora napajanja (IEC 60255-11:2008; EN 60255-11:2010)
Measuring relays and protection equipment – Part 11: Voltage dips, short interruptions, variations and ripple on auxiliary power supply port (IEC 60255-11:2008; EN 60255-11:2010)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-1:2009 en
Mjerni releji i zaštitna oprema – Dio 22-1: Ispitivanja na električne smetnje – Ispitivanja otpornosti na kratke signale frekvencije 1MHz (IEC 60255-22-1:2007; EN 60255-22-1:2008)
Measuring relays and protection equipment – Part 22-1: Electrical disturbance tests – 1 MHz burst immunity tests (IEC 60255-22-1:2007; EN 60255-22-1:2008)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-2:2009 en
Mjerni releji i zaštitna oprema – Dio 22-2: Ispitivanja na električne smetnje – Ispitivanja elektrostatskih pražnjenja (IEC 60255-22-2:2008; EN 60255-22-2:2008)
Measuring relays and protection equipment – Part 22-2: Electrical disturbance tests – Electrostatic discharge tests (IEC 60255-22-2:2008; EN 60255-22-2:2008)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-3:2014 en
Mjerni releji i zaštitna oprema – Dio 22-3: Ispitivanja na električne smetnje – Otpornost na zračenja elektromagnetskog polja (IEC 60255-22-3:2007; EN 60255-22-3:2008)
Measuring relays and protection equipment – Part 22-3: Electrical disturbance tests – Radiated electromagnetic field immunity (IEC 60255-22-3:2007; EN 60255-22-3:2008)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-4:2009 en
Mjerni releji i zaštitna oprema – Dio 22-4: Ispitivanja na električne smetnje – Ispitivanje otpornosti na brze električne prijelazne pojave/impulse (IEC 60255-22-4:2008; EN 60255-22-4:2008)
Measuring relays and protection equipment – Part 22-4: Electrical disturbance tests – Electrical fast transient/burst immunity test (IEC 60255-22-4:2008; EN 60255-22-4:2008)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-5:2014 en
Mjerni releji i zaštitna oprema – Dio 22-5: Ispitivanja na električne smetnje – Ispitivanje otpornosti na udarni val (IEC 60255-22-5:2008; EN 60255-22-5:2011)
Measuring relays and protection equipment – Part 22-5: Electrical disturbance tests – Surge immunity test (IEC 60255-22-5:2008; EN 60255-22-5:2011)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-6:2008 en
Električni releji – Dio 22-6: Ispitivanja na električne smetnje mjernih releja i zaštitne opreme – Otpornost na smetnje inducirane radiofrekventnim poljima koje se šire vodičima (IEC 60255-22-6:2001; EN 60255-22-6:2001)
Electrical relays – Part 22-6: Electrical disturbance tests for measuring relays and protection equipment – Immunity to conducted disturbances induced by radio frequency fields (IEC 60255-22-6:2001; EN 60255-22-6:2001)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-22-7:2008 en
Električni releji – Dio 22-7: Ispitivanja na električne smetnje mjernih releja i zaštitne opreme – Ispitivanja na otpornost smetnji industrijske frekvencije (IEC 60255-22-7:2003; EN 60255-22-7:2003)
Electrical relays – Part 22-7: Electrical disturbance tests for measuring relays and protection equipment – Power frequency immunity tests (IEC 60255-22-7:2003; EN 60255-22-7:2003)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-25:2008 en
Električni releji – 25. dio: Ispitivanja elektromagnetskih zračenja mjernih releja i zaštitne opreme (IEC 60255-25:2000; EN 60255-25:2000)
Electrical relays – Part 25: Electromagnetic emission tests for measuring relays and protection equipment (IEC 60255-25:2000; EN 60255-25:2000)
- zamijenjena s: HRN EN 60255-26:2014

HRN EN 60255-26:2013 en
Mjerni releji i zaštitna oprema – 26. dio: Zahtjevi za elektromagnetsku kompatibilnost (IEC 60255-26:2008; EN 60255-26:2009)
Measuring relays and protection equipment – Part 26: Electromagnetic compatibility requirements (IEC 60255-26:2008; EN 60255-26:2009)
- zamijenjena s: HRN EN 60255-26:2014

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

HRN EN 50083-8:2008 en
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 8. dio: Elektromagnetska kompatibilnost za mreže (EN 50083-8:2002)
Cable networks for television signals, sound signals and interactive services – Part 8: Electromagnetic compatibility for networks (EN 50083-8:2002)
- zamijenjena s: HRN EN 50083-8:2014

HRN EN 50083-8:2008/A11:2011 en
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 8. dio: Elektromagnetska kompatibilnost za mreže (EN 50083-8:2002/A11:2008)
Cable networks for television signals, sound signals and interactive services – Part 8: Electromagnetic compatibility for networks (EN 50083-8:2002/A11:2008)
- zamijenjena s: HRN EN 50083-8:2014

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

HRN EN 50332-1:2003 en

Oprema zvučnog sustava – Naglavne i ušne slušalice za prijenosnu audio opremu – Metodologija mjerenja maksimalne razine zvučnog tlaka i ograničenja – 1. dio: Općenita metoda za "opremu u kompletu" (EN 50332-1:2000)
Sound system equipment – Headphones and earphones associated with portable audio equipment – Maximum sound pressure level measurement methodology and limit considerations – Part 1: General method for "one package equipment" (EN 50332-1:2000)
- zamijenjena s: HRN EN 50332-1:2014

HRN EN 50332-2:2008 en

Sound system equipment: Headphones and earphones associated with portable audio equipment – Maximum sound pressure level measurement methodology and limit considerations – Part 2: Matching of sets with headphones if either or both are offered separately (EN 50332-2:2003)
- zamijenjena s: HRN EN 50332-2:2014

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

HRN EN 60243-2:2005 en

Električna čvrstoća izolacijskih materijala – Ispitne metode – 2. dio: Dodatni zahtjevi za ispitivanja pri uporabi istosmjernog napona (IEC 60243-2:2001; EN 60243-2:2001)
Electric strength of insulating materials – Test methods – Part 2: Additional requirements for tests using direct voltage (IEC 60243-2:2001; EN 60243-2:2001)
- zamijenjena s: HRN EN 60243-2:2014

HRN EN 60243-3:2005 en

Električna čvrstoća izolacijskih materijala – Ispitne metode – 3. dio: Dodatni zahtjevi za 1,2/50 µs impulsna ispitivanja (IEC 60243-3:2001; EN 60243-3:2001)
Electric strength of insulating materials – Test methods – Part 3: Additional requirements for 1,2/50 µs impulse tests (IEC 60243-3:2001; EN 60243-3:2001)
- zamijenjena s: HRN EN 60243-3:2014

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN 50240:2008 en

Elektromagnetska kompatibilnost – Norma proizvoda za elektrootporno zavarivanje (EN 50240:2004)
Electro-magnetic compatibility (EMC) – Product standard for resistance welding equipment (EN 50240:2004)
- zamijenjena s: HRN EN 62135-2:2008

HRN EN 55011:2008 en

Industrijski, znanstveni i medicinski (ISM) radiofrekvencijski uređaji – Značajke radiosmetnja – Granice i metode mjerenja (CISPR 11:2003, MOD+am1:2004, MOD+am2:2006; EN 55011:2007+A2:2007)
Industrial, scientific and medical (ISM) radio-frequency equipment – Electromagnetic disturbance characteristics – Limits and methods of measurement (CISPR 11:2003, MOD+am1:2004, MOD+am2:2006; EN 55011:2007+A2:2007)
- zamijenjena s: HRN EN 55011:2010

HRN EN 55015:2008 en

Granice i metode mjerenja značajka radiosmetnja električnih rasvjetnih i sličnih uređaja (CISPR 15:2005+am1:2006; EN 55015:2006+A1:2007)
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2005+am1:2006; EN 55015:2006+A1:2007)
- zamijenjena s: HRN EN 55015:2013

HRN EN 55015:2008/A2:2009 en

Granice i metode mjerenja značajka radiosmetnja električnih rasvjetnih i sličnih uređaja (CISPR 15:2005/A2:2008; EN 55015:2006/A2:2009)
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2005/A2:2008; EN 55015:2006/A2:2009)
- zamijenjena s: HRN EN 55015:2013

HRN EN 55016-1-1:2008 en

Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-1: Uređaji za mjerenje radiosmetnja i otpornosti – Mjerni uređaji (CISPR 16-1-1:2006+am1:2006+am2:2007; EN 55016-1-1:2007+A1:2007+A2:2008)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus (CISPR 16-1-1:2006+am1:2006+am2:2007; EN 55016-1-1:2007+A1:2007+A2:2008)
- zamijenjena s: HRN EN 55016-1-1:2011

HRN EN 55016-1-4:2008 en

Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Pomoćna oprema – Zračene smetnje (CISPR 16-1-4:2007+am1:2007; EN 55016-1-4:2007+A1:2008)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Radiated disturbances (CISPR 16-1-4:2007+am1:2007; EN 55016-1-4:2007+A1:2008)
- zamijenjena s: HRN EN 55016-1-4:2012

HRN EN 55016-2-2:2005 en

Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 2-2: Metode mjerenja smetnja i otpornosti – Mjerenje snage smetnja (CISPR 16-2-2:2003; EN 55016-2-2:2004)
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 16-2-2:2003; EN 55016-2-2:2004)
- zamijenjena s: HRN EN 55016-2-2:2011

HRN EN 55016-2-2:2005/A1:2005 en

Specifikacija uređaja i metoda mjerenja radiosmetnja i otpornosti – Dio 2-2: Metode mjerenja smetnja i otpornosti – Mjerenje snage smetnja (CISPR 16-2-2:2003/am1:2004; EN 55016-2-2:2004/A1:2005)
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 16-2-2:2003/am1:2004; EN 55016-2-2:2004/A1:2005)
- zamijenjena s: HRN EN 55016-2-2:2011

HRN EN 55016-2-2:2005/A2:2008 en

Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 2-2: Metode mjerenja smetnja i otpornosti – Mjerenje snage smetnja (CISPR 16-2-2:2003/am2:2005; EN 55016-2-2:2004/A2:2005)
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 16-2-2:2003/am2:2005; EN 55016-2-2:2004/A2:2005)
- zamijenjena s: HRN EN 55016-2-2:2011

HRN EN 55016-2-3:2008 en

Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 2-3: Metode mjerenja smetnja i otpornosti – Mjerenje zračenih smetnja (CISPR 16-2-3:2006; EN 55016-2-3:2006)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements (CISPR 16-2-3:2006; EN 55016-2-3:2006)
- zamijenjena s: HRN EN 55016-2-3:2011

HRN EN 55016-4-2:2005 en

Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 4-2: Nesigurnosti, statistika i oblikovanje granica – Nesigurnosti pri mjerenjima EMC-a (CISPR 16-4-2:2003; EN 55016-4-2:2004)
Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Uncertainty in EMC measurements (CISPR 16-4-2:2003; EN 55016-4-2:2004)
- zamijenjena s: HRN EN 55016-4-2:2012

HRN EN 55022:2008 en

Uređaji informacijske tehnologije – Značajke radiosmetnja – Granice i metode mjerenja (CISPR 22:2005, MOD+am1:2005; EN 55022:2006+A1:2007)
Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement (CISPR 22:2005, MOD+am1:2005; EN 55022:2006+A1:2007)
- zamijenjena s: HRN EN 55022:2011

- HRN EN 55022:2008/A2:2011 en
Uređaji informacijske tehnologije – 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)
- zamijenjena s: HRN EN 55022:2011
- HRN EN 55024:2000 en
Uređaji informacijske tehnologije – Značajke otpornosti
– Granice i metode mjerenja (CISPR 24:1997, MOD; EN 55024:1998)
Information technology equipment – Immunity characteristics
– Limits and methods of measurement (CISPR 24:1997, MOD;
EN 55024:1998)
- zamijenjena s: HRN EN 55024:2011
- HRN EN 55024:2000/A1:2003 en
Uređaji informacijske tehnologije – Značajke otpornosti
– Granice i metode mjerenja (CISPR 24:1997/am1:2001, MOD;
EN 55024:1998/A1:2001)
Information technology equipment – Immunity
characteristics – Limits and methods of measurement
(CISPR 24:1997/am1:2001, MOD; EN 55024:1998/A1:2001)
- zamijenjena s: HRN EN 55024:2011
- HRN EN 55024:2000/A2:2005 en
Uređaji informacijske tehnologije – Značajke otpornosti
– Granice i metode mjerenja (CISPR 24:1997/am2:2002;
EN 55024:1998/A2:2003)
Information technology equipment – Immunity
characteristics – Limits and methods of measurement
(CISPR 24:1997/am2:2002; EN 55024:1998/A2:2003)
- zamijenjena s: HRN EN 55024:2011
- HRN EN 55025:2003 en
Značajke radiosmetnja koje se odnose na zaštitu prijamnika
u vozilima, čamcima i uređajima – Granice i mjerne metode
(CISPR 25:2002; EN 55025:2003)
Radio disturbance characteristics for the protection of
receivers used on board vehicles, boats, and on devices
– Limits and methods of measurement (CISPR 25:2002;
EN 55025:2003)
- zamijenjena s: HRN EN 55025:2009
- HRN EN 60555-1:2012 en
Disturbances in supply systems caused by household
appliances and similar electrical equipment – Part 1:
Definitions (IEC 60555-1:1982; EN 60555-1:1987)
- bez zamjene
- HRN EN 61000-3-12:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 3-12: Granice
– Granice za harmoničke struje koje stvara oprema priključena
na javnu distribucijsku mrežu za ulazne struje > 16 A i ≤ 75 A
(IEC 61000-3-12:2004; EN 61000-3-12:2005)
Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits
for harmonic currents produced by equipment connected to
public low-voltage systems with input current > 16 A and ≤ 75 A
per phase (IEC 61000-3-12:2004; EN 61000-3-12:2005)
- zamijenjena s: HRN EN 61000-3-12:2012
- HRN EN 61000-3-3:2009 en
Elektromagnetska kompatibilnost (EMC) – Dio 3-3: Granice
– Ograničenje kolebanja napona i treperenja u niskonaponskim
sustavima napajanja za opremu s nazivnom strujom ≤ 16 A
i koja nije predmet uvjetovanog priključka (IEC 61000-3-3:2008;
EN 61000-3-3:2008)
Electromagnetic compatibility (EMC) – Part 3-3: Limits
– Limitation of voltage changes, voltage fluctuation and flicker
in public low-voltage supply systems, for equipment with
rated current ≤ 16 A per phase and not subject to conditional
connection (IEC 61000-3-3:2008; EN 61000-3-3:2008)
- zamijenjena s: HRN EN 61000-3-3:2013
- HRN EN 61000-4-1:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-1: Ispitne
i mjerne tehnike – Pregled norma niza IEC 61000-4
(IEC 61000-4-1:2006; EN 61000-4-1:2007)
Electromagnetic compatibility (EMC) – Part 4-1: Testing and
measurement techniques – Overview of IEC 61000-4 series
(IEC 61000-4-1:2006; EN 61000-4-1:2007)
- bez zamjene
- HRN EN 61000-4-15:2001 en
Elektromagnetska kompatibilnost (EMC) – 4. dio: Ispitne i
mjerne tehnike – 15. odjeljak: Mjerač treperenja (flikermetar)
– Radne i ispitne specifikacije (IEC 61000-4-15:1997;
EN 61000-4-15:1998)
Electromagnetic compatibility (EMC) – Part 4: Testing
and measurement techniques – Section 15: Flickermeter
– Functional and design specifications (IEC 61000-4-15:1997;
EN 61000-4-15:1998)
- zamijenjena s: HRN EN 61000-4-15:2012
- HRN EN 61000-4-15:2001/A1:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-15:
Ispitne i mjerne tehnike – Flickermetar – Funkcionalne
specifikacije i dizajn (IEC 61000-4-15:1997/am1:2003;
EN 61000-4-15:1998/A1:2003)
Electromagnetic compatibility (EMC) – Part 4-15: Testing
and measurement techniques – Flickermeter – Functional
and design specifications (IEC 61000-4-15:1997/am1:2003;
EN 61000-4-15:1998/A1:2003)
- zamijenjena s: HRN EN 61000-4-15:2012
- HRN EN 61000-4-20:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-20:
Ispitne i mjerne tehnike – Ispitivanje emisije i otpornosti
u poprečnim (transverzalnim) elektromagnetskim
(TEM) valovodima (IEC 61000-4-20:2003+am1:2006;
EN 61000-4-20:2003+A1:2007)
Electromagnetic compatibility (EMC) – Part 4-20: Testing
and measurement techniques – Emission and immunity
testing in transverse electromagnetic (TEM) waveguides
(IEC 61000-4-20:2003+am1:2006; EN 61000-4-20:2003+A1:2007)
- zamijenjena s: HRN EN 61000-4-20:2011
- HRN EN 61000-4-21:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-21: Ispitne i
mjerne tehnike – Metode ispitivanja u odbijajućim komorama
(IEC 61000-4-21:2003; EN 61000-4-21:2003)
Electromagnetic compatibility (EMC) – Part 4-21: Testing
and measurement techniques – Reverberation chamber test
methods (IEC 61000-4-21:2003; EN 61000-4-21:2003)
- zamijenjena s: HRN EN 61000-4-21:2011
- HRN EN 61000-4-24:2001 en
Elektromagnetska kompatibilnost (EMC) – 4. dio: Ispitne i
mjerne tehnike – 24. odjeljak: Ispitne metode za zaštitne
naprave od vodljivih smetnja HEMP-a – Osnovna EMC norma
(IEC 61000-4-24:1997; EN 61000-4-24:1997)
Electromagnetic compatibility (EMC) – Part 4: Testing
and measurement techniques – Section 24: Test methods
for protective devices for HEMP conducted disturbance
– Basic EMC publication (IEC 61000-4-24:1997;
EN 61000-4-24:1997)
- bez zamjene
- HRN EN 61000-4-4:2008 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-4: Ispitne
i mjerne tehnike – Ispitivanje otpornosti na električne brze
tranzijente/rafale (IEC 61000-4-4:2004; EN 61000-4-4:2004)
Electromagnetic compatibility (EMC) – Part 4-4: Testing and
measurement techniques – Electrical fast transient/burst
immunity test (IEC 61000-4-4:2004; EN 61000-4-4:2004)
- zamijenjena s: HRN EN 61000-4-4:2013
- HRN EN 61000-4-4:2008/A1:2011 en
Elektromagnetska kompatibilnost (EMC) – Dio 4-4: Ispitne
i mjerne tehnike – Ispitivanje otpornosti na električne
brze tranzijente/rafale (IEC 61000-4-4:2004/am1:2010;
EN 61000-4-4:2004/A1:2010)
Electromagnetic compatibility (EMC) – Part 4-4: Testing
and measurement techniques – Electrical fast transient/
burst immunity test (IEC 61000-4-4:2004/am1:2010;
EN 61000-4-4:2004/A1:2010)
- zamijenjena s: HRN EN 61000-4-4:2013

HZN/TO E501, *Elektroakustika i ultrazvuk*

- HRN HD 443 S1:2012 en
Simulator začepljenih ušiju za mjerenje slušalica
spregnutih s ušima preko ušnih umetaka (IEC 60711:1981;
HD 443 S1:1983)
Occluded-ear simulator for the measurement of earphones
coupled to the ear by ear inserts (IEC 60711:1981;
HD 443 S1:1983)
- zamijenjena s: HRN EN 60318-4:2012

HRN EN 60118-13:2008 en

Elektroakustika – Slušna pomagala – 13. dio: Elektromagnetska kompatibilnost (EMC) (IEC 60118-13:2004; EN 60118-13:2005)
Electroacoustics – Hearing aids – Part 13: Electromagnetic compatibility (EMC) (IEC 60118-13:2004; EN 60118-13:2005)
- zamijenjena s: HRN EN 60118-13:2012

HRN EN 60318-1:2002 en

Elektroakustika – simulatori ljudske glave i uha – 1. dio: Ušni simulator za umjeravanje naušnih slušalica (IEC 60318-1:1998; EN 60318-1:1998)

Electroacoustics – Simulators of human head and ear – Part 1: Ear simulator for the calibration of supra-aural earphones (IEC 60318-1:1998; EN 60318-1:1998)

- zamijenjena s: HRN EN 60318-1:2012

HRN EN 60318-2:2002 en

Elektroakustika – Simulatori ljudske glave i uha – 2. dio: Privremeni akustički spojnik za umjeravanje slušalica za mjerila sluha u proširenom visokofrekvencijskom području (IEC 60318-2:1998; EN 60318-2:1998)

Electroacoustics – Simulators of human head and ear – Part 2: An interim acoustic coupler for the calibration of audiometric earphones in the extended high-frequency range (IEC 60318-2:1998; EN 60318-2:1998)

- zamijenjena s: HRN EN 60318-1:2012

HRN EN 61094-2:1998 en

Mjerni mikrofoni – 2. dio: Apsolutno umjeravanje laboratorijskih etalonskih mikrofona metodom recipročnosti u polju tlaka (IEC 61094-2:1992; EN 61094-2:1993)

Measurement microphones – Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-2:1992; EN 61094-2:1993)

- zamijenjena s: HRN EN 61094-2:2012

HRN EN 61101:2002 en

Apsolutno umjeravanje hidrofona pomoću postupka pretraživanja po ravnini, u frekvencijskom pojasu od 0,5 MHz do 15 MHz (IEC 61101:1991; EN 61101:1993)

The absolute calibration of hydrophones using the planar scanning technique in the frequency range 0,5 MHz to 15 MHz (IEC 61101:1991; EN 61101:1993)

- zamijenjena s: HRN EN 62127-1:2008, HRN EN 62127-2:2008, HRN EN 62127-3:2008

HRN EN 61102:2002 en

Mjerenje i opisivanje ultrazvučnih polja pomoću hidrofona u frekvencijskom području od 0,5 MHz do 15 MHz (IEC 61102:1991+am1:1993; EN 61102:1993+A1:1994)

Measurement and characterisation of ultrasonic fields using hydrophones in the frequency range 0,5 MHz to 15 MHz (IEC 61102:1991+am1:1993; EN 61102:1993+A1:1994)

- zamijenjena s: HRN EN 62127-1:2008, HRN EN 62127-2:2008, HRN EN 62127-3:2008

HRN EN 61161:2008 en

Ultrazvuk – Mjerenje snage – Izjednačenje radijacijske sile i izvedbeni zahtjevi (IEC 61161:2006; EN 61161:2007)

Ultrasonics – Power measurement – Radiation force balances and performance requirements (IEC 61161:2006; EN 61161:2007)

- zamijenjena s: HRN EN 61161:2013

HRN EN 62359:2008 en

Ultrazvuk – Karakterizacija polja – Metode ispitivanja za određivanje toplinskih i mehaničkih indeksa povezanih s dijagnostičkim medicinskim ultrazvučnim poljima (IEC 62359:2005; EN 62359:2005)

Ultrasonics – Field characterization – Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields (IEC 62359:2005; EN 62359:2005)

- zamijenjena s: HRN EN 62359:2012

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

HRN EN 50174-3:2008 en

Informacijska tehnologija – Instalacija kabliranja – 3. dio: Planiranje instalacije i instalacijska praksa izvan zgrada (EN 50174-3:2003)

Information technology – Cabling installation – Part 3: Installation planning and practices outside buildings (EN 50174-3:2003)

- zamijenjena s: HRN EN 50174-3:2013

HZN/TU I2, Strojstvo 2

HRN EN 12976-1:2008 en

Thermal solar systems and components – Factory made systems – Part 1: General requirements (EN 12976-1:2006)

- zamijenjena s: HRN EN 12976-1:2017

HRN EN 12976-2:2008 en

Thermal solar systems and components – Factory made systems – Part 2: Test methods (EN 12976-2:2006)

- zamijenjena s: HRN EN 12976-2:2017

HRN EN ISO 15236-2:2008 en

Steel cord conveyor belts – Part 2: Preferred belt types (ISO 15236-2:2004; EN ISO 15236-2:2004)

- zamijenjena s: HRN EN ISO 15236-2:2017

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

HRN EN ISO 7199:2015 en

Kardiovaskularni implantati i umjetni organi – Izmjenjivači plinova u krvi (uređaji za obogaćivanje krvi kisikom) (ISO 7199:2009+Amd 1:2012; EN ISO 7199:2014)

Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2009+Amd 1:2012; EN ISO 7199:2014)

- zamijenjena s: HRN EN ISO 7199:2017

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

HRN EN 4178:2011 en

Nizovi o zrakoplovstvu – Vijci, s ravnom glavom, imbus vijak sa šesterokutnom glavom, normalnog struka grube tolerancije, srednje dužine navoja, od legure titana, anodizirani, podmazani s MoS₂ – 1100 MPa (pri temperaturi okoline) / 315 °C (EN 4178:2009)

Aerospace series – Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS₂ lubricated – 1100 MPa (at ambient temperature) / 315 °C (EN 4178:2009)

- zamijenjena s: HRN EN 4178:2017

HZN/TU U1, Opća elektrotehnika 1

HRN EN 50063:2008 en

Sigurnosni zahtjevi za konstrukciju i ugradnju opreme za elektrootporno zavarivanje i srodne postupke (EN 50063:1989)

Safety requirements for the construction and the installation of equipment for resistance welding and allied processes (EN 50063:1989)

- zamijenjena s: HRN EN 62135-1:2009

HRN EN 50489:2010 en

Pametni čipovi za lociranje – Studija izvodljivosti o uključivanju RFID u električnu i elektroničku opremu za upravljanje WEEE-om (CLC/TR 50489:2006)

Smart tracker chips – Feasibility study on the inclusion of RFID in Electrical and Electronic Equipment for WEEE management (CLC/TR 50489:2006)

- bez zamjene

HRN EN 60068-1:2008 en

Ispitivanje utjecaja okoliša – 1. dio: Općenito i upute (IEC 60068-1:1988+am1:1992+Corr.1:1988; EN 60068-1:1994)

Environmental testing – Part 1: General and guidance (IEC 60068-1:1988+am1:1992+Corr.1:1988; EN 60068-1:1994)

- zamijenjena s: HRN EN 60068-1:2014

HRN EN 60068-2-14:2008 en

Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – N ispitivanje: Promjena temperature (IEC 60068-2-14:1984+am1:1986; EN 60068-2-14:1999)

Environmental testing – Part 2: Tests – Test N: Change of temperature (IEC 60068-2-14:1984+am1:1986; EN 60068-2-14:1999)

- zamijenjena s: HRN EN 60068-2-14:2010

HRN EN 60068-2-29:2008 en

Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Eb ispitivanje i upute: Udar (IEC 60068-2-29:1987; EN 60068-2-29:1993)

Environmental testing – Part 2: Tests – Test Eb and guidance: Bump (IEC 60068-2-29:1987; EN 60068-2-29:1993)

- zamijenjena s: HRN EN 60068-2-27:2010

- HRN EN 60068-2-33:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Upute o promjeni temperature ispitivanja (IEC 60068-2-33:1971+am1:1978; EN 60068-2-33:1999)
Environmental testing – Part 2: Tests – Guidance on change of temperature tests (IEC 60068-2-33:1971+am1:1978; EN 60068-2-33:1999)
- zamijenjena s: HRN EN 60068-2-14:2010
- HRN EN 60068-2-50:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Z/AFc ispitivanja: Kombinirana ispitivanja hladno/vibracija (sinusna) za oba uzorka toplinske i netoplinke disipacije (IEC 60068-2-50:1983; EN 60068-2-50:1999)
Environmental testing – Part 2: Tests – Tests Z/AFc: Combined cold/vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens (IEC 60068-2-50:1983; EN 60068-2-50:1999)
- zamijenjena s: HRN EN 60068-2-53:2011
- HRN EN 60068-2-51:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Z/BFc ispitivanja: Kombinirana ispitivanja suha toplina/vibracija (sinusna) za oba uzorka toplinske i netoplinke disipacije (IEC 60068-2-51:1983; EN 60068-2-51:1999)
Environmental testing – Part 2: Tests – Tests Z/BFc: Combined dry heat/vibration (sinusoidal) tests for both heat-dissipating and non-heat-dissipating specimens (IEC 60068-2-51:1983; EN 60068-2-51:1999)
- zamijenjena s: HRN EN 60068-2-53:2011
- HRN EN 60068-2-5:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Sa ispitivanje: Simulirano solarno zračenje na razini tla (IEC 60068-2-5:1975; EN 60068-2-5:1999)
Environmental testing – Part 2: Tests – Test Sa: Simulated solar radiation at ground level (IEC 60068-2-5:1975; EN 60068-2-5:1999)
- zamijenjena s: HRN EN 60068-2-5:2013
- HRN EN 60068-2-55:2008 en
Osnovni postupci ispitivanja okoliša – 2. dio: Ispitivanja – Ee ispitivanje i upute: Odskok (IEC 60068-2-55:1987; EN 60068-2-55:1993)
Basic environmental testing procedures – Part 2: Tests – Test Ee and guidance: Bounce (IEC 60068-2-55:1987; EN 60068-2-55:1993)
- zamijenjena s: HRN EN 60068-2-55:2013
- HRN EN 60068-2-65:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Metode ispitivanja – Fg ispitivanje: Vibracije, akustički izazvana (IEC 60068-2-65:1993; EN 60068-2-65:1994)
Environmental testing – Part 2: Methods of test – Test Fg: Vibration, acoustically induced (IEC 60068-2-65:1993; EN 60068-2-65:1994)
- zamijenjena s: HRN EN 60068-2-65:2013
- HRN EN 60068-2-9:2008 en
Ispitivanje utjecaja okoliša – 2. dio: Ispitivanja – Upute za ispitivanje sunčevog zračenja (IEC 60068-2-9:1975+am1:1984; EN 60068-2-9:1999)
Environmental testing – Part 2: Tests – Guidance for solar radiation testing (IEC 60068-2-9:1975+am1:1984; EN 60068-2-9:1999)
- zamijenjena s: HRN EN 60068-2-5:2013
- HRN EN 60068-3-1:2008 en
Ispitivanje utjecaja okoliša – 3. dio: Osnovne informacije – 1. sekcija: Toplinska ispitivanja na hladno i suho (IEC 60068-3-1:1974+am1:1978; EN 60068-3-1:1999)
Environmental testing – Part 3: Background information – Section 1: Cold and dry heat tests (IEC 60068-3-1:1974+am1:1978; EN 60068-3-1:1999)
- zamijenjena s: HRN EN 60068-3-1:2013
- HRN EN 60664-5:2009 en
Koordinacija izolacije za opremu niskonaponskih sustava – 5. dio: Kombinirane metode određivanja zračnih razmaka i puznih staza jednakih ili manjih od 2 mm (IEC 60664-5:2007; EN 60664-5:2007)
Insulation coordination for equipment within low-voltage systems – Part 5: Comprehensive method for determining clearances and creepage distances equal to or less than 2 mm (IEC 60664-5:2007; EN 60664-5:2007)
- bez zamjene
- HRN EN 60695-1-1:2008 en
Ispitivanje na opasnost od požara – Dio 1-1: Upute za procjenu opasnosti od požara za elektrotehničke proizvode – Opće upute (IEC 60695-1-1:1999; EN 60695-1-1:2000)
Fire hazard testing – Part 1-1: Guidance for assessing the fire hazard of electrotechnical products – General guidelines (IEC 60695-1-1:1999; EN 60695-1-1:2000)
- zamijenjena s: HRN EN 60695-1-10:2011, HRN EN 60695-1-11:2011
- HRN EN 60695-2-12:2008 en
Ispitivanje na opasnost od požara – Dio 2-12: Ispitne metode na bazi užarene/vruće žice – Ispitna metoda indeksa gorivosti užarene žice (GWFI) za materijale (IEC 60695-2-12:2000; EN 60695-2-12:2001)
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2000; EN 60695-2-12:2001)
- zamijenjena s: HRN EN 60695-2-12:2011
- HRN EN 60695-4:2008 en
Ispitivanje opasnosti od požara – 4. dio: Terminologija ispitivanja požara za elektrotehničke proizvode (IEC 60695-4:2005; EN 60695-4:2006)
Fire hazard testing – Part 4: Terminology concerning fire tests for electrotechnical products (IEC 60695-4:2005; EN 60695-4:2006)
- zamijenjena s: HRN EN 60695-4:2013
- HRN EN 60695-9-1:2008 en
Ispitivanje opasnosti od požara – Dio 9-1: Površinsko širenje plamena – Opće upute (IEC 60695-9-1:2005; EN 60695-9-1:2005)
Fire hazard testing – Part 9-1: Surface spread of flame – General guidance (IEC 60695-9-1:2005; EN 60695-9-1:2005)
- zamijenjena s: HRN EN 60695-9-1:2014
- HRN EN 60695-11-10:2008 en
Ispitivanje na opasnost od požara – Dio 11-10: Ispitni plamenovi – Ispitne metode s horizontalnim i vertikalnim plamenovima snage 50 W (IEC 60695-11-10:1999+am1:2003; EN 60695-11-10:1999+A1:2003)
Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods (IEC 60695-11-10:1999+am1:2003; EN 60695-11-10:1999+A1:2003)
- zamijenjena s: HRN EN 60695-11-10:2013
- HRN EN 60865-1:2004 en
Struje kratkog spoja – Proračun učinaka – 1. dio: Definicije i metode proračuna (IEC 60865-1:1993; EN 60865-1:1993)
Short-circuit currents – Calculation of effects – Part 1: Definitions and calculation methods (IEC 60865-1:1993; EN 60865-1:1993)
- zamijenjena s: HRN EN 60865-1:2013
- HRN EN 60974-1:2008 en
Oprema za elektrolučno zavarivanje – 1. dio: Izvori napajanja za zavarivanje (IEC 60974-1:2005; EN 60974-1:2005)
Arc welding equipment – Part 1: Welding power sources (IEC 60974-1:2005; EN 60974-1:2005)
- zamijenjena s: HRN EN 60974-1:2013
- HRN EN 60974-2:2009 en
Oprema za elektrolučno zavarivanje – 2. dio: Sustavi za hlađenje tekućinom (IEC 60974-2:2007; EN 60974-2:2008)
Arc welding equipment – Part 2: Liquid cooling systems (IEC 60974-2:2007; EN 60974-2:2008)
- zamijenjena s: HRN EN 60974-2:2013
- HRN EN 60974-3:2009 en
Oprema za elektrolučno zavarivanje – 3. dio: Uređaji za paljenje luka i stabilizaciju (IEC 60974-3:2007; EN 60974-3:2007)
Arc welding equipment – Part 3: Arc striking and stabilizing devices (IEC 60974-3:2007; EN 60974-3:2007)
- zamijenjena s: HRN EN 60974-3:2014
- HRN EN 60974-4:2008 en
Oprema za elektrolučno zavarivanje – 4. dio: Usluga provjere i ispitivanja (IEC 60974-4:2006; EN 60974-4:2007)
Arc welding equipment – Part 4: In-service inspection and testing (IEC 60974-4:2006; EN 60974-4:2007)
- zamijenjena s: HRN EN 60974-4:2013
- HRN EN 60974-5:2009 en
Oprema za elektrolučno zavarivanje – 5. dio: Dodavači žice (IEC 60974-5:2007; EN 60974-5:2008)
Arc welding equipment – Part 5: Wire feeders (IEC 60974-5:2007; EN 60974-5:2008)
- zamijenjena s: HRN EN 60974-5:2013

- HRN EN 60974-7:2008 en
Oprema za elektrolučno zavarivanje – 7. dio: Plamenici (IEC 60974-7:2005; EN 60974-7:2005)
Arc welding equipment – Part 7: Torches (IEC 60974-7:2005; EN 60974-7:2005)
- zamijenjena s: HRN EN 60974-7:2013
- HRN EN 60974-11:2008 en
Oprema za elektrolučno zavarivanje – 11. dio: Držači elektroda (IEC 60974-11:2004; EN 60974-11:2004)
Arc welding equipment – Part 11: Electrode holders (IEC 60974-11:2004; EN 60974-11:2004)
- zamijenjena s: HRN EN 60974-11:2011
- HRN EN 60974-12:2008 en
Oprema za elektrolučno zavarivanje – 12. dio: Spojni uređaji za kabele za zavarivanje (IEC 60974-12:2005; EN 60974-12:2005)
Arc welding equipment – Part 12: Coupling devices for welding cables (IEC 60974-12:2005; EN 60974-12:2005)
- zamijenjena s: HRN EN 60974-12:2012
- HRN EN 61082-2:2008 en
Priprema dokumentacije za uporabu u elektrotehnici – 2. dio: Funkcionalni dijagrami (IEC 61082-2:1993; EN 61082-2:1994)
Preparation of documents used in electrotechnology – Part 2: Function-oriented diagrams (IEC 61082-2:1993; EN 61082-2:1994)
- zamijenjena s: HRN EN 61082-1:2008
- HRN EN 61082-3:2008 en
Priprema dokumentacije za uporabu u elektrotehnici – 3. dio: Veza dijagrama, tablica i popisa (IEC 61082-3:1993; EN 61082-3:1994)
Preparation of documents used in electrotechnology – Part 3: Connection diagrams, tables and lists (IEC 61082-3:1993; EN 61082-3:1994)
- zamijenjena s: HRN EN 61082-1:2008
- HRN EN 61082-4:2008 en
Priprema dokumentacije za uporabu u elektrotehnici – 4. dio: Lokacija i instalacija dokumenata (IEC 61082-4:1996; EN 61082-4:1996)
Preparation of documents used in electrotechnology – Part 4: Location and installation documents (IEC 61082-4:1996; EN 61082-4:1996)
- zamijenjena s: HRN EN 61082-1:2008
- HRS CLC/TS 62081:2010 en
Elektrolučno zavarivanje – Instaliranje i upotreba (IEC 62081:1999; CLC/TS 62081:2002)
Arc welding equipment – Installation and use (IEC 62081:1999; CLC/TS 62081:2002)
- zamijenjena s: HRN EN 60974-9:2011
- HZN/TU V1, Elektronika 1**
- HRI CLC/TR 50090-9-2:2010 en
Home and Building Electronic Systems (HBES) – Part 9-2: Installation requirements – Inspection and testing of HBES installation (CLC/TR 50090-9-2:2007)
- bez zamjene
- HRN EN 50288-4-2:2008 en
Višežilni metalni kabele za uporabu u analognim i digitalnim komunikacijama i upravljanju – Dio 4-2: Specifikacija za oklopljene kabele za primjenu do 600 MHz – Spojni kabele u individualnom radnom prostoru i prespojni kabele (EN 50288-4-2:2003)
Multi-element metallic cables used in analogue and digital communication and control – Part 4-2: Sectional specification for screened cables characterised up to 600 MHz – Work area and patch cord cables (EN 50288-4-2:2003)
- zamijenjena s: HRN EN 50288-4-2:2013
- HRN EN 50289-3-8:2008 en
Communication cables – Specifications for test methods – Part 3-8: Mechanical test methods – Abrasion resistance of cable sheath markings (EN 50289-3-8:2001)
- zamijenjena s: HRN EN 50289-3-8:2015
- HRN EN 50290-2-23:2008 en
Komunikacijski kabele – Dio 2-23: Opća pravila konstruiranja i izrada – PE izolacija (EN 50290-2-23:2001)
Communication cables – Part 2-23: Common design rules and construction – PE insulation (EN 50290-2-23:2001)
- zamijenjena s: HRN EN 50290-2-23:2014
- HRN EN 50290-2-25:2008 en
Komunikacijski kabele – Dio 2-25: Opća pravila konstruiranja i izrada – Polipropilenske izolacijske smjese (EN 50290-2-25:2002)
Communication cables – Part 2-25: Common design rules and construction – Polypropylene insulation compounds (EN 50290-2-25:2002)
- zamijenjena s: HRN EN 50290-2-25:2014
- HRN EN 50290-4-1:2008 en
Komunikacijski kabele – Dio 4-1: Opća razmatranja za uporabu kabela – Uvjeti zaštite okoliša i aspekti sigurnosti (EN 50290-4-1:2001)
Communication cables – Part 4-1: General considerations for the use of cables – Environmental conditions and safety aspects (EN 50290-4-1:2001)
- zamijenjena s: HRN EN 50290-4-1:2015
- HRN EN 50290-4-2:2008 en
Komunikacijski kabele – Dio 4-2: Opća razmatranja za uporabu kabela – Upute za uporabu (EN 50290-4-2:2008)
Communication cables – Part 4-2: General considerations for the use of cables – Guide to use (EN 50290-4-2:2008)
- zamijenjena s: HRN EN 50290-4-2:2015
- HRN EN 50293:2008 en
Elektromagnetska kompatibilnost – Cestovni prometni signalni sustavi – Norma za proizvod (EN 50293:2000)
Electromagnetic compatibility – Road traffic signal systems – Product standard (EN 50293:2000)
- zamijenjena s: HRN EN 50293:2012
- HRN EN 60286-3:2009 en
Packaging of components for automatic handling – Part 3: Packaging of surface mount components on continuous tapes (IEC 60286-3:2007; EN 60286-3:2007)
- zamijenjena s: HRN EN 60286-3:2014
- HRN EN 60286-4:2008 en
Packaging of components for automatic handling – Part 4: Stick magazines for electronic components encapsulated in packages of form E and G (IEC 60286-4:1997; EN 60286-4:1998)
- zamijenjena s: HRN EN 60286-4:2014
- HRN EN 60384-14:2008 en
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (IEC 60384-14:2005; EN 60384-14:2005)
- zamijenjena s: HRN EN 60384-14:2014
- HRN EN 60444-6:2008 en
Measurement of quartz crystal unit parameters – Part 6: Measurement of drive level dependence (DL) (IEC 60444-6:1995; EN 60444-6:1997)
- zamijenjena s: HRN EN 60444-6:2014
- HRN EN 60794-2-20:2011 en
Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical distribution cables (IEC 60794-2-20:2008; EN 60794-2-20:2010)
- zamijenjena s: HRN EN 60794-2-20:2014
- HRN EN 60875-1:2011 en
Fibre optic interconnecting devices and passive components – Non-wavelength-selective fibre optic branching devices – Part 1: Generic specification (IEC 60875-1:2010; EN 60875-1:2010)
- zamijenjena s: HRN EN 60875-1:2015
- HRN EN 123100:2008 en
Sectional Specification – Single and double-sided printed boards with plain holes (EN 123100:1992+A1:1995)
- bez zamjene
- HRN EN 123200:2008 en
Sectional Specification – Single and double sided printed boards with plated-through holes (EN 123200:1992+A1:1995)
- bez zamjene
- HRN EN 123300:2008 en
Sectional Specification – Multilayer printed boards (EN 123300:1992+A1:1995)
- bez zamjene
- HRN EN 123400:2008 en
Sectional Specification – Flexible printed boards without through connections (EN 123400:1992+A2:1995)
- bez zamjene

- HRN EN 123400-800:2008 en
Capability Detail Specification – Flexible printed boards without through connections (EN 123400-800:1992)
- bez zamjene
- HRN EN 123500:2008 en
Sectional Specification – Flexible printed boards with through connections (EN 123500:1992+A2:1995)
- bez zamjene
- HRN EN 123500-800:2008 en
Capability Detail Specification – Flexible printed boards with through connections (EN 123500-800:1992)
- bez zamjene
- HRN EN 130100:2008 en
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- zamijenjena s: HRN EN 60704-2-10:2014
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- zamijenjena s: HRN EN 60704-2-13:2014
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- zamijenjena s: HRN EN 60704-2-6:2008
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- HRN EN 61056-1:2008 en
Olovni akumulatori za opću uporabu (regulirani ventilom) – 1. dio: Opći zahtjevi, funkcionalne karakteristike – Metode ispitivanja (IEC 61056-1:2002; EN 61056-1:2003)
General purpose lead-acid batteries (valve regulated types) – Part 1: General requirements, functional characteristics – Methods of test (IEC 61056-1:2002; EN 61056-1:2003)
- zamijenjena s: HRN EN 61056-1:2014
- HRN EN 61056-2:2008 en
Olovni akumulatori za opću uporabu (regulirani ventilom) – 2. dio: Dimenzije, priključci i oznake (IEC 61056-2:2002; EN 61056-2:2003)
General purpose lead-acid batteries (valve-regulated types) – Part 2: Dimensions, terminals and marking (IEC 61056-2:2002; EN 61056-2:2003)
- zamijenjena s: HRN EN 61056-2:2014
- HRN EN 61071-1:2008 en
Kondenzatori za energetske elektrone – 1. dio: Općenito (IEC 61071-1:1991, MOD; EN 61071-1:1996)
Power electronic capacitors – Part 1: General (IEC 61071-1:1991, MOD; EN 61071-1:1996)
- zamijenjena s: HRN EN 61071:2008

HRN EN 61071-2:2008 en
Kondenzatori za energetska elektronika – 2. dio: Zahtjevi za ispitivanje iskapčanja osigurača, ispitivanje uništenja, ispitivanje samooporavka i ispitivanje izdržljivosti (IEC 61071-2:1994; EN 61071-2:1996)
Power electronic capacitors – Part 2: Requirements for disconnecting test on fuses, destruction test, self-healing test and endurance test (IEC 61071-2:1994; EN 61071-2:1996)
- zamijenjena s: HRN EN 61071:2008

HRS CLC/TS 62395-2:2011 en
Sustavi grijanja elektrootpornom trakom za industrijske i komercijalne primjene – 2. dio: Upute za primjenu za oblikovanje sustava, postavljanje i održavanje (IEC/TS 62395-2:2008; CLC/TS 62395-2:2010)
Electrical resistance trace heating systems for industrial and commercial applications – Part 2: Application guide for system design, installation and maintenance (IEC/TS 62395-2:2008; CLC/TS 62395-2:2010)
- zamijenjena s: HRN EN 62395-2:2014

HRN EN 116000-2:2008 en
Generička specifikacija – Elektromehanički “sve ili ništa” releji – 2. dio: Generički podaci i metode ispitivanja za vremenske releje (EN 116000-2:1992)
Generic specification – Electromechanical all-or-nothing relays – Part 2: Generic data and methods of test for time delay relays (EN 116000-2:1992)
- zamijenjena s: HRN EN 61812-1:2012

HRN EN 116000-3:2008 en
Generička specifikacija – Elektromehanički “sve ili ništa” releji – 3. dio: Postupci ispitivanja i mjerenja (EN 116000-3:1996)
Generic specification – Electromechanical all-or-nothing relays – Part 3: Test and measurement procedures (EN 116000-3:1996)
- zamijenjena s: HRN EN 61810-7:2008

HRN EN 116200:2008 en
Sekcijska specifikacija – Elektromehanički “sve ili ništa” releji (uključujući releje za teške uvjete okoline) (EN 116200:1991)
Sectional specification – Electromechanical all-or-nothing relays (including relays for severe environmental conditions) (EN 116200:1991)
- bez zamjene

HRN EN 116203:2008 en
Prazna tiskanica za detaljnu specifikaciju – Elektromehanički “sve ili ništa” releji za poboljšanu industrijsku primjenu (EN 116203:1994)
Blank detail specification – Electromechanical all-or-nothing relays for enhanced industrial application (EN 116203:1994)
- bez zamjene

HRN EN 116204:2008 en
Prazna tiskanica za detaljnu specifikaciju – Elektromehanički “sve ili ništa” releji za agresivnu industrijsku primjenu (EN 116204:1994)
Blank detail specification – Electromechanical all-or-nothing sealed relays for aggressive industrial application (EN 116204:1994)
- bez zamjene

HRN EN 117000:2008 en
Generička specifikacija – Poluvodički “sve ili ništa” releji utvrđene kvalitete – Generički podaci i metode ispitivanja (EN 117000:1991)
Generic specification – Solid state all-or-nothing relays of assessed quality – Generic data and methods of test (EN 117000:1991)
- zamijenjena s: HRN EN 62314:2008

HRN EN 147000:2008 en
Generička specifikacija – Podnožja za uporabu s električnim relejima utvrđene kvalitete (EN 147000:1993)
Generic specification – Sockets for use with electrical relays of assessed quality (EN 147000:1993)
- bez zamjene

HRN EN 147100:2008 en
Sekcijska specifikacija – Podnožja za releje utvrđene kvalitete (EN 147100:1993)
Sectional specification – Relay sockets of assessed quality (EN 147100:1993)
- bez zamjene

HRN EN 147101:2008 en
Prazna tiskanica za detaljnu specifikaciju – Podnožja za releje utvrđene kvalitete (EN 147101:1994)
Blank detail specification – Relay sockets of assessed quality (EN 147101:1994)
- bez zamjene

1.6 Ispravci hrvatskih norma

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

HZN/TO 37, Terminologija

- **umjesto**

HRN EN ISO 17100:2015
Prevoditeljske usluge – Zahtjevi za **prevoditeljske usluge** (ISO 17100:2015; EN ISO 17100:2015)
Translation services – Requirements for translation services (ISO 17100:2015; EN ISO 17100:2015)

- **treba biti**

HRN EN ISO 17100:2015
Usluge pismenog prevođenja – Zahtjevi za **usluge pismenog prevođenja** (ISO 17100:2015; EN ISO 17100:2015)
Translation services – Requirements for translation services (ISO 17100:2015; EN ISO 17100:2015)

HZN/TO 521, Usluge održavanja

- **umjesto**

HRN EN 15331:2012
Kriteriji za projektiranje **usluga održavanja građevina, upravljanje njima i nadzor nad njima** (EN 15331:2011)
Criteria for design, management and control of maintenance services for buildings (EN 15331:2011)

- **treba biti**

HRN EN 15331:2012
Kriteriji za projektiranje, **upravljanje i nadzor nad uslugama održavanja građevina** (EN 15331:2011)
Criteria for design, management and control of maintenance services for buildings (EN 15331:2011)

- **umjesto**

HRN EN 15341:2009
Održavanje – **Pokazatelji ključnih značajki održavanja** (EN 15341:2007)
Maintenance – Maintenance Key Performance Indicators (EN 15341:2007)

- **treba biti**

HRN EN 15341:2009
Održavanje – **Ključni pokazatelji učinkovitosti održavanja** (EN 15341:2007)
Maintenance – Maintenance Key Performance Indicators (EN 15341:2007)

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

- **umjesto**

HRN EN 9103:2014/Ispr.1:2015
Zrakoplovstvo – Sustavi upravljanja kvalitetom – Promjene upravljanja glavnim značajkama (EN 9103:2014/AC:2015)
Aerospace series – Quality management systems – Variation management of key characteristics (EN 9103:2014/AC:2015)

- **treba biti**

HRN EN 9103:2015/Ispr.1:2015
Zrakoplovstvo – Sustavi upravljanja kvalitetom – Promjene upravljanja glavnim značajkama (EN 9103:2014/AC:2015)
Aerospace series – Quality management systems – Variation management of key characteristics (EN 9103:2014/AC:2015)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljuju njihovi naslovi na hrvatskome jeziku, koji nisu nužno uključeni u norme koje su prethodno objavljene. Obavijest o naslovima na hrvatskome jeziku smatra se službenom informacijom.

HZN/TO 147, *Kvaliteta vode*

HRN EN ISO 7827:2013

Kvaliteta vode – Procjena “lagane”, “potpune” aerobne biorazgradljivosti organskih spojeva u vodenom mediju – Metoda analizom otopljenoga organskog ugljika (DOC) (ISO 7827:2010; EN ISO 7827:2012)
Water quality – Evaluation of the “ready”, “ultimate” aerobic biodegradability of organic compounds in an aqueous medium – Method by analysis of dissolved organic carbon (DOC) (ISO 7827:2010; EN ISO 7827:2012)

HRN EN ISO 14403-1:2012

Kvaliteta vode – Određivanje ukupnih cijanida i slobodnih cijanida protočnom analizom (FIA i CFA) – 1. dio: Metoda protočne analize injektiranjem (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 1: Method with flow injection analysis (FIA) (ISO 14403-1:2012; EN ISO 14403-1:2012)

HRN EN ISO 14403-2:2012

Kvaliteta vode – Određivanje ukupnih cijanida i slobodnih cijanida protočnom analizom (FIA i CFA) – 2. dio: Metoda kontinuirane protočne analize (FIA) (ISO 14403-2:2012; EN ISO 14403-2:2012)
Water quality – Determination of total cyanide and free cyanide using flow analysis (FIA and CFA) – Part 2: Method using continuous flow analysis (CFA) (ISO 14403-2:2012; EN ISO 14403-2:2012)

HRN EN ISO 18857-2:2012

Kvaliteta vode – Određivanje odabranih alkilfenola – 2. dio: Određivanje alkilfenola, njihovih etoksilata i bisfenola A plinskom kromatografijom-spektrometrijom masa u nefiltriranim uzorcima nakon ekstrakcije na čvrstoj fazi i derivatizacije (ISO 18857-2:2009; EN ISO 18857-2:2011)
Water quality – Determination of selected alkylphenols – Part 2: Gas chromatographic-mass spectrometric determination of alkylphenols, their ethoxylates and bisphenol A in non-filtered samples following solid-phase extraction and derivatisation (ISO 18857-2:2009; EN ISO 18857-2:2011)

HZN/TO T4, *Normizacija u telekomunikacijama*

HRN EN 301 091 V1.1.1:2009

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Telematika cestovnog prijevoza i prometa (RTTT) – Tehničke značajke i ispitne metode radarske opreme koja radi u području 76 GHz do 77 GHz (EN 301 091 V1.1.1:1998)
ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM) – Road Transport and Traffic Telematics (RTTT) – Technical characteristics and test methods for radar equipment operating in the 76 GHz to 77 GHz band (EN 301 091 V1.1.1:1998)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.13 Okoliš. Zaštita zdravlja. Sigurnost (Rječnici)

Europska normizacija
CEN

EN ISO 374-1:2016
Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN ISO 374-5:2016
Protective gloves against dangerous chemicals and micro-organisms – Part 5: Terminology and performance requirements for micro-organisms risks (ISO 374-5:2016)

01.040.27 Prijenos energije i topline (Rječnici)

Europska normizacija
CEN

EN 378-1:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria

01.040.49 Zrakoplovna i svemirska tehnika (Rječnici)

Međunarodna normizacija
ISO

ISO 17540:2016
Space systems – Liquid rocket engines and test stands – Terms and definitions

01.080.10 Simboli za javne obavijesti

Europska normizacija
CEN

EN ISO 7010:2012/A6:2016
Graphical symbols – Safety colours and safety signs – Registered safety signs – Amendment 6 (ISO 7010:2011/Amd 6:2014)

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Europska normizacija
CEN

EN ISO 7010:2012/A6:2016
Graphical symbols – Safety colours and safety signs – Registered safety signs – Amendment 6 (ISO 7010:2011/Amd 6:2014)

EN ISO 15223-1:2016
Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements (ISO 15223-1:2016, Corrected version 2016-12-15)

Međunarodna normizacija
ISO

ISO 15223-1:2016
Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements

01.120 Normizacija. Opća pravila

Europska normizacija
ETSI

ETSI SR 000314 V 2.20.1:2016
Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards

03.100.30 Upravljanje ljudskim resursima

Međunarodna normizacija
ISO/IEC

ISO/IEC 19788-3 AMD 1:2016
Information technology – Learning, education and training – Metadata for learning resources – Part 3: Basic application profile; Amendment 1

03.100.70 Sustavi upravljanja

Međunarodna normizacija
ISO/IEC

ISO/IEC 27011:2016
Information technology – Security techniques – Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations

03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

Europska normizacija
CEN

EN ISO 22870:2016
Point-of-care testing (POCT) – Requirements for quality and competence (ISO 22870:2016)

03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

Europska normizacija
CEN

EN ISO 17034:2016
General requirements for the competence of reference material producers (ISO 17034:2016)

Međunarodna normizacija
ISO

ISO/IEC 17021-2:2016
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of environmental management systems

ISO 17034:2016
General requirements for the competence of reference material producers

IEC

ISO/IEC 17021-2:2016
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of environmental management systems

03.120.30 Primjena statističkih metoda

Europska normizacija
CEN

CEN/TR 16886:2016
Guidance on the application of statistical methods for determining the properties of masonry products

CENELEC

EN 61703:2016
Mathematical expressions for reliability, availability, maintainability and maintenance support terms (IEC 61703:2016)

03.140 Patenti. Intelektualno vlasništvo

Europska normizacija ETSI

ETSI SR 000314 V 2.20.1:2016
Intellectual Property Rights (IPRs) – Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards

03.220.20 Cestovni prijevoz

Međunarodna normizacija ISO

ISO 13140-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 13141 – Part 1: Test suite structure and test purposes

ISO 13140-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 13141 – Part 2: Abstract test suite

ISO 13143-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes

ISO 13143-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 2: Abstract test suite

07.120 Nanotehnologije

Međunarodna normizacija ISO

ISO/TR 18196:2016
Nanotechnologies – Measurement technique matrix for the characterization of nano-objects

ISO/TR 18637:2016
Nanotechnologies – Overview of available frameworks for the development of occupational exposure limits and bands for nano-objects and their aggregates and agglomerates (NOAAs)

11.040.01 Medicinska oprema općenito

Europska normizacija CEN

EN ISO 15223-1:2016
Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements (ISO 15223-1:2016, Corrected version 2016-12-15)

Međunarodna normizacija ISO

ISO 15223-1:2016
Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied – Part 1: General requirements

IEC

IEC/PAS 63077:2016
Good refurbishment practices for medical imaging equipment

11.040.20 Transfuzijska, infuzijska i injekcijska oprema

Europska normizacija CEN

EN ISO 8871-5:2016
Elastomeric parts for parenterals and for devices for pharmaceutical use – Part 5: Functional requirements and testing (ISO 8871-5:2016)

Međunarodna normizacija ISO

ISO 8536-6:2016
Infusion equipment for medical use – Part 6: Freeze drying closures for infusion bottles

ISO 8536-14:2016
Infusion equipment for medical use – Part 14: Clamps and flow regulators for transfusion and infusion equipment without fluid contact

ISO 11418-1:2016
Containers and accessories for pharmaceutical preparations – Part 1: Drop-dispensing glass bottles

ISO 11418-2:2016
Containers and accessories for pharmaceutical preparations – Part 2: Screw-neck glass bottles for syrups

ISO 11418-3:2016
Containers and accessories for pharmaceutical preparations – Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms

11.040.25 Šprice. Igle. Kateteri

Europska normizacija CENELEC

EN 80369-5:2016
Small-bore connectors for liquids and gases in healthcare applications – Part 5: Connectors for limb cuff inflation applications (IEC 80369-5:2016)

Međunarodna normizacija ISO

ISO 11040-8:2016
Prefilled syringes – Part 8: Requirements and test methods for finished prefilled syringes

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Europska normizacija CEN

EN ISO 5832-3:2016
Implants for surgery – Metallic materials – Part 3: Wrought titanium 6-aluminium 4-vanadium alloy (ISO 5832-3:2016)

Međunarodna normizacija ISO

ISO 5832-7:2016
Implants for surgery – Metallic materials – Part 7: Forgeable and cold-formed cobalt-chromium-nickel-molybdenum-iron alloy

ISO 7199:2016
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators)

ISO 21535 AMD 1:2016
Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants; Amendment 1

11.040.50 Radiografska oprema

Europska normizacija CENELEC

EN 60601-1-3:2008/A11:2016
Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment

11.040.55 Dijagnostička oprema

Europska normizacija CENELEC

EN 60601-2-33/A12:2016
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis

11.040.99 Ostala medicinska oprema

Međunarodna normizacija ISO

ISO 19054 AMD 1:2016
Rail systems for supporting medical equipment; Amendment 1

11.060.10 Stomatološki materijali

Međunarodna normizacija ISO

ISO/TR 28642:2016
Dentistry – Guidance on colour measurement

11.060.15 Stomatološki implantati

Europska normizacija CEN

EN ISO 14801:2016
Dentistry – Implants – Dynamic loading test for endosseous dental implants (ISO 14801:2016)

11.060.20 Stomatološka oprema

Europska normizacija CEN

EN ISO 9173-1:2016
Dentistry – Extraction forceps – Part 1: General requirements (ISO 9173-1:2016)

Međunarodna normizacija ISO

ISO 3964:2016
Dentistry – Coupling dimensions for handpiece connectors

11.060.25 Stomatološki instrumenti

Europska normizacija CEN

EN ISO 3964:2016
Dentistry – Coupling dimensions for handpiece connectors (ISO 3964:2016)

11.100.01 Laboratorijska medicina općenito

Europska normizacija CEN

EN ISO 22870:2016
Point-of-care testing (POCT) – Requirements for quality and competence (ISO 22870:2016)

11.120.99 Ostale norme koje se odnose na ljekarništvo

Međunarodna normizacija ISO

ISO 11418-1:2016
Containers and accessories for pharmaceutical preparations – Part 1: Drop-dispensing glass bottles

ISO 11418-2:2016
Containers and accessories for pharmaceutical preparations – Part 2: Screw-neck glass bottles for syrups

ISO 11418-3:2016
Containers and accessories for pharmaceutical preparations – Part 3: Screw-neck glass bottles (veral) for solid and liquid dosage forms

11.180.01 Pomagala za osobe s invaliditetom općenito

Europska normizacija CEN

EN ISO 9999:2016
Assistive products for persons with disability – Classification and terminology (ISO 9999:2016)

13.020.01 Okoliš i zaštita okoliša općenito

Međunarodna normizacija IEC

IEC/TR 62936:2016
Test method development – Guidelines for substance selection

13.020.10 Upravljanje okolišem

Međunarodna normizacija ISO

ISO 14034:2016
Environmental management – Environmental technology verification (ETV)

13.020.55 Proizvodi na biološkoj osnovi

Europska normizacija CEN

EN 16848:2016
Bio-based products – Requirements for Business to Business communication of characteristics using a Data Sheet

13.040.20 Atmosfera okoliša

Europska normizacija CEN

EN 16841-1:2016
Ambient air – Determination of odour in ambient air by using field inspection – Part 1: Grid method

EN 16841-2:2016
Ambient air – Determination of odour in ambient air by using field inspection – Part 2: Plume method

CEN/TR 16998:2016
Ambient air – Report on nitro- and oxy-PAHs – Origin, toxicity, concentrations and measurement methods

13.040.30 Atmosfera u radnome prostoru

Europska normizacija CEN

EN 15051-2+A1:2016
Workplace exposure – Measurement of the dustiness of bulk materials – Part 2: Rotating drum method

Međunarodna normizacija ISO

ISO 20581:2016
Workplace air – General requirements for the performance of procedures for the measurement of chemical agents

13.040.40 Emisije iz stacionarnih izvora

Međunarodna normizacija ISO

ISO 18466:2016
Stationary source emissions – Determination of the biogenic fraction in CO₂ in stack gas using the balance method

13.060.01 Kvaliteta vode općenito

Međunarodna normizacija ISO

ISO 24516-1:2016
Guidelines for the management of assets of water supply and wastewater systems – Part 1: Drinking water distribution networks

13.060.20 Voda za piće

Međunarodna normizacija ISO

ISO 24516-1:2016
Guidelines for the management of assets of water supply and wastewater systems – Part 1: Drinking water distribution networks

IEC

IEC 60335-2-109 AMD 2:2016
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances; Amendment 2

IEC 60335-2-109 Edition 1.2:2016
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances

13.060.70 Ispitivanje bioloških svojstava vode

Europska normizacija CEN

EN ISO 10253:2016
Water quality – Marine algal growth inhibition test with *Skeletonema* sp. and *Phaeodactylum tricornutum* (ISO 10253:2016)

Međunarodna normizacija ISO

ISO 10253:2016
Water quality – Marine algal growth inhibition test with *Skeletonema* sp. and *Phaeodactylum tricornutum*

13.080.20 Fizikalna svojstva tla

Europska normizacija CEN

EN ISO 17892-4:2016
Geotechnical investigation and testing – Laboratory testing of soil – Part 4: Determination of particle size distribution (ISO 17892-4:2016)

EN ISO 18674-2:2016
Geotechnical investigation and testing – Geotechnical monitoring by field instrumentation – Part 2: Measurement of displacements along a line: Extensometers (ISO 18674-2:2016)

13.160 Utjecaj vibracija i udara na ljude

Europska normizacija CEN

EN ISO 10326-1:2016
Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 1: Basic requirements (ISO 10326-1:2016)

13.220.10 Vatrogastvo

Europska normizacija CEN

EN ISO 16852:2016
Flame arresters – Performance requirements, test methods and limits for use (ISO 16852:2016)

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Europska normizacija CENELEC

EN 60695-1-21:2016
Fire hazard testing – Part 1-21: Guidance for assessing the fire hazard of electrotechnical products – Ignitability – Summary and relevance of test methods (IEC 60695-1-21:2016)

EN 60695-10-3:2016
Fire hazard testing – Part 10-3: Abnormal heat – Mould stress relief distortion test (IEC 60695-10-3:2016)

Međunarodna normizacija IEC

IEC 60695-1-10:2016
Fire hazard testing – Part 1-10: Guidance for assessing the fire hazard of electrotechnical products – General guidelines

IEC 60695-8-1:2016
Fire hazard testing – Part 8-1: Heat release – General guidance

IEC 60695-8-2:2016
Fire hazard testing – Part 8-2: Heat release – Summary and relevance of test methods

13.220.99 Ostale norme koje se odnose na zaštitu od požara

Međunarodna normizacija ISO

ISO 16312-1:2016
Guidance for assessing the validity of physical fire models for obtaining fire effluent toxicity data for fire hazard and risk assessment – Part 1: Criteria

13.280 Zaštita od zračenja

Europska normizacija
CENELEC

EN 60601-1-3:2008/A11:2016
Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment

13.310 Zaštita od kriminala

Europska normizacija
CENELEC

EN 62820-1-1:2016
Building intercom systems – Part 1-1: System requirements – General (IEC 62820-1-1:2016)

13.320 Alarmni sustavi i sustavi uzbunjivanja

Međunarodna normizacija
IEC

IEC 60839-11-31:2016
Alarm and electronic security systems – Part 11-31: Electronic access control systems – Core interoperability protocol based on Web services

IEC 60839-11-32:2016
Alarm and electronic security systems – Part 11-32: Electronic access control systems – Access control monitoring based on Web services

13.340.10 Zaštitna odjeća

Europska normizacija
CEN

EN ISO 374-1:2016
Protective gloves against dangerous chemicals and micro-organisms – Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016)

EN ISO 374-5:2016
Protective gloves against dangerous chemicals and micro-organisms – Part 5: Terminology and performance requirements for micro-organisms risks (ISO 374-5:2016)

EN ISO 20471:2013/A1:2016
High visibility clothing – Test methods and requirements – Amendment 1 (ISO 20471:2013/Amd 1:2016)

Međunarodna normizacija
ISO

ISO 9151:2016
Protective clothing against heat and flame – Determination of heat transmission on exposure to flame

13.340.20 Zaštitna oprema za glavu

Međunarodna normizacija
ISO

ISO 10256-1:2016
Protective equipment for use in ice hockey – Part 1: General requirements

ISO 10256-2:2016
Protective equipment for use in ice hockey – Part 2: Head protection for skaters

ISO 10256-3:2016
Protective equipment for use in ice hockey – Part 3: Face protectors for skaters

ISO 10256-4:2016
Protective equipment for use in ice hockey – Part 4: Head and face protection for goalkeepers

17.040.20 Svojstva površina

Europska normizacija
CEN

EN ISO 16610-31:2016
Geometrical product specifications (GPS) – Filtration – Part 31: Robust profile filters: Gaussian regression filters (ISO 16610-31:2016)

17.040.30 Mjerni instrumenti

Europska normizacija
CEN

EN ISO 10360-12:2016
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring systems (CMS) – Part 12: Articulated arm coordinate measurement machines (CMM) (ISO 10360-12:2016)

17.040.40 Geometrijska specifikacija proizvoda (GPS)

Europska normizacija
CEN

EN ISO 18391:2016
Geometrical product specifications (GPS) – Population specification (ISO 18391:2016)

Međunarodna normizacija
ISO

ISO 16610-31:2016
Geometrical product specifications (GPS) – Filtration – Part 31: Robust profile filters: Gaussian regression filters

17.140.20 Buka koju proizvode strojevi i oprema

Europska normizacija
CENELEC

EN 60076-10:2016
Power transformers – Part 10: Determination of sound levels (IEC 60076-10:2016)

17.160 Vibracije, udari i mjerenja vibracija

Međunarodna normizacija
ISO

ISO 8608:2016
Mechanical vibration – Road surface profiles – Reporting of measured data

ISO 20816-1:2016
Mechanical vibration – Measurement and evaluation of machine vibration – Part 1: General guidelines

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija
CENELEC

EN 61340-5-1:2016
Electrostatics – Part 5-1: Protection of electronic devices from electrostatic phenomena – General requirements (IEC 61340-5-1:2016)

Međunarodna normizacija
IEC

IEC 62052-11 AMD 1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment; Amendment 1

IEC 62052-11 Edition 1.1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment

IEC 62053-11 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2); Amendment 1

IEC 62053-11 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)

IEC 62053-21 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2); Amendment 1

IEC 62053-21 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2)

IEC 62053-22 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)

IEC 62053-23 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3); Amendment 1

IEC 62053-23 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3)

17.220.99 Ostale norme koje se odnose na elektricitet i magnetizam

Međunarodna normizacija IEC

IEC 60674-2:2016
Specification for plastic films for electrical purposes – Part 2: Methods of test

17.240 Mjerenja zračenja

Europska normizacija CENELEC

EN 62209-1:2016
Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz) (IEC 62209-1:2016)

19.040 Ispitivanje utjecaja okoliša

Međunarodna normizacija IEC

IEC/TR 62936:2016
Test method development – Guidelines for substance selection

19.100 Nerazorna ispitivanja

Međunarodna normizacija ISO

ISO 9934-1:2016
Non-destructive testing – Magnetic particle testing – Part 1: General principles

21.120.40 Uravnoteženje i strojevi za uravnoteženje

Međunarodna normizacija ISO

ISO 21940-11:2016
Mechanical vibration – Rotor balancing – Part 11: Procedures and tolerances for rotors with rigid behaviour

21.160 Opruge

Europska normizacija CEN

EN 16983:2016
Disc springs – Quality specifications – Dimensions

EN 16984:2016
Disc springs – Calculation

21.200 Zupčanici

Međunarodna normizacija ISO

ISO 23509:2016
Bevel and hypoid gear geometry

23.020.30 Tlačne posude, cilindrični plinski spremnici

Europska normizacija CEN

EN 13445-2:2014/A1:2016
Unfired pressure vessels – Part 2: Materials

23.020.35 Plinske boce

Europska normizacija CEN

EN ISO 24431:2016
Gas cylinders – Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene) – Inspection at time of filling (ISO 24431:2016)

Međunarodna normizacija ISO

ISO 24431:2016
Gas cylinders – Seamless, welded and composite cylinders for compressed and liquefied gases (excluding acetylene) – Inspection at time of filling

23.040.70 Crijeva i crijevni sklopovi

Europska normizacija CEN

EN ISO 2398:2016
Rubber hoses, textile-reinforced, for compressed air – Specification (ISO 2398:2016)

EN ISO 7751:2016
Rubber and plastics hoses and hose assemblies – Ratios of proof and burst pressure to maximum working pressure (ISO 7751:2016)

EN ISO 8331:2016
Rubber and plastics hoses and hose assemblies – Guidelines for selection, storage, use and maintenance (ISO 8331:2016)

Međunarodna normizacija ISO

ISO 4641:2016
Rubber hoses and hose assemblies for water suction and discharge – Specification

23.100.40 Cijevovodi i spojnice

Međunarodna normizacija ISO

ISO 9974-4:2016

Connections for general use and fluid power – Ports and stud ends with ISO 261 threads with elastomeric or metal-to-metal sealing – Part 4: Dimensions, design, test methods and requirements for external hex and internal hex port plugs

23.140 Kompresori i pneumatski strojevi

Europska normizacija CEN

EN 13771-1:2016

Compressors and condensing units for refrigeration – Performance testing and test methods – Part 1: Refrigerant compressors

Međunarodna normizacija IEC

IEC 60335-2-34 AMD 2:2016

Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors; Amendment 2

IEC 60335-2-34 Edition 5.2:2016

Household and similar electrical appliances – Safety – Part 2-34: Particular requirements for motor-compressors

25.040.01 Sustavi industrijske automatizacije općenito

Međunarodna normizacija IEC

IEC 61636:2016

Software Interface for Maintenance Information Collection and Analysis (SIMICA)

IEC 61636-1:2016

Software interface for maintenance information collection and analysis (SIMICA): Exchanging test results and session information via the extensible markup language (XML)

IEC 61636-99:2016

Software Interface for Maintenance Information Collection and Analysis (SIMICA): Common Information Elements

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Europska normizacija CENELEC

EN 61003-1:2016

Industrial-process control systems – Instruments with analogue inputs and two- or multi-position outputs – Part 1: Methods for evaluating performance (IEC 61003-1:2016)

EN 61003-2:2016

Industrial-process control systems – Instruments with analogue inputs and two- or multi-position outputs – Part 2: Guidance for inspection and routine testing (IEC 61003-2:2016)

EN 61069-4:2016

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 4: Assessment of system performance (IEC 61069-4:2016)

Međunarodna normizacija ISO

ISO 8000-61:2016

Data quality – Part 61: Data quality management: Process reference model

IEC

IEC 61987-15:2016

Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 15: Lists of properties (LOPs) for level measuring equipment for electronic data exchange

25.060.20 Diobene i stezne naprave za alat i obradak

Međunarodna normizacija ISO

ISO 238:2016

Reduction sleeves and extension sockets for tools with Morse taper shanks

25.100.50 Ureznici i kalupi za navoje

Europska normizacija CEN

EN ISO 4230:2016

Hand- and machine-operated circular screwing dies for taper pipe threads – R series (ISO 4230:2016)

EN ISO 4231:2016

Hand- and machine-operated circular screwing dies for parallel pipe threads – G series (ISO 4231:2016)

25.140.01 Ručni alati općenito

Međunarodna normizacija ISO

ISO 1711-1:2016

Assembly tools for screws and nuts – Technical specifications – Part 1: Hand-operated wrenches and sockets

ISO 1711-2:2016

Assembly tools for screws and nuts – Technical specifications – Part 2: Machine-operated sockets (impact)

25.160.10 Procesi zavarivanja

Europska normizacija CEN

EN 16771:2016

Railway applications – Infrastructure – Aluminothermic welding of grooved rails

25.160.30 Oprema za zavarivanje

Europska normizacija CENELEC

EN 60974-4:2016

Arc welding equipment – Part 4: Periodic inspection and testing (IEC 60974-4:2016)

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN ISO 17638:2016

Non-destructive testing of welds – Magnetic particle testing (ISO 17638:2016)

Međunarodna normizacija ISO

ISO 17635:2016

Non-destructive testing of welds – General rules for metallic materials

ISO 17637:2016

Non-destructive testing of welds – Visual testing of fusion-welded joints

25.220.20 Površinska obrada

Europska normizacija CEN

- EN 16813:2016
Thermal spraying – Measurement of the electrical conductivity of thermal sprayed non-iron metal coatings by means of eddy current method

25.220.40 Metalne prevlake

Europska normizacija CEN

- EN ISO 19598:2016
Metallic coatings – Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)-free treatment (ISO 19598:2016)

Međunarodna normizacija ISO

- ISO 19598:2016
Metallic coatings – Electroplated coatings of zinc and zinc alloys on iron or steel with supplementary Cr(VI)-free treatment

27.020 Motori s unutrašnjim izgaranjem

Međunarodna normizacija ISO

- ISO 15550:2016
Internal combustion engines – Determination and method for the measurement of engine power – General requirements

27.070 Gorivi članci

Međunarodna normizacija IEC

- IEC 62282-3-400:2016
Integrated circuits – EMC evaluation of transceivers – Part 2: LIN transceivers

27.080 Dizalice topline

Europska normizacija CEN

- EN 378-1:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria
- EN 378-2:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation
- EN 378-3:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site and personal protection
- EN 378-4:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 4: Operation, maintenance, repair and recovery
- EN 12178:2016
Refrigerating systems and heat pumps – Liquid level indicating devices – Requirements, testing and marking

27.160 Solarna energetika

Međunarodna normizacija IEC

- IEC 62894 AMD 1:2016
Photovoltaic inverters – Data sheet and name plate; Amendment 1
- IEC 62894 Edition 1.1:2016
Photovoltaic inverters – Data sheet and name plate

27.180 Sustavi vjetroagregata

Međunarodna normizacija IEC

- IEC 61400-25-4:2016
Wind energy generation systems – Part 25-4: Communications for monitoring and control of wind power plants – Mapping to communication profile

27.200 Rashladna tehnologija (tehnika)

Europska normizacija CEN

- EN 378-1:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria
- EN 378-2:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation
- EN 378-3:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site and personal protection
- EN 378-4:2016
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 4: Operation, maintenance, repair and recovery
- EN 12178:2016
Refrigerating systems and heat pumps – Liquid level indicating devices – Requirements, testing and marking
- EN 13215:2016
Condensing units for refrigeration – Rating conditions, tolerances and presentation of manufacturer's performance data
- EN 13771-1:2016
Compressors and condensing units for refrigeration – Performance testing and test methods – Part 1: Refrigerant compressors

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

- EN 60695-1-21:2016
Fire hazard testing – Part 1-21: Guidance for assessing the fire hazard of electrotechnical products – Ignitability – Summary and relevance of test methods (IEC 60695-1-21:2016)
- EN 60695-10-3:2016
Fire hazard testing – Part 10-3: Abnormal heat – Mould stress relief distortion test (IEC 60695-10-3:2016)
- EN 61703:2016
Mathematical expressions for reliability, availability, maintainability and maintenance support terms (IEC 61703:2016)

Međunarodna normizacija IEC

- IEC 60695-1-10:2016
Fire hazard testing – Part 1-10: Guidance for assessing the fire hazard of electrotechnical products – General guidelines
- IEC 60695-8-1:2016
Fire hazard testing – Part 8-1: Heat release – General guidance
- IEC 60695-8-2:2016
Fire hazard testing – Part 8-2: Heat release – Summary and relevance of test methods
- IEC/TR 62936:2016
Test method development – Guidelines for substance selection

29.030 Magnetni materijali

Međunarodna normizacija IEC

- IEC 61332:2016
Soft ferrite material classification

29.035.20 Plastični i gumeni izolacijski materijali

Međunarodna normizacija IEC

- IEC 60674-2:2016
Specification for plastic films for electrical purposes – Part 2: Methods of test
- IEC 60674-3-8 AMD 1:2016
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation; Amendment 1
- IEC 60674-3-8 Edition 1.1:2016
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation

29.080.01 Električna izolacija općenito

Međunarodna normizacija IEC

- IEC 60664-3:2016
Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution

29.080.10 Izolatori

Europska normizacija CENELEC

- EN 62621:2016/A1:2016
Railway applications – Fixed installations – Electric traction – Specific requirements for composite insulators used for overhead contact line systems
- EN 62772:2016
Composite Hollow Core Station Post Insulators for substations with a.c. voltage greater than 1000 V and d.c. voltage greater than 1500V – Definitions, test methods and acceptance criteria (IEC 62772:2016)

29.100.10 Magnetski sastavni dijelovi

Međunarodna normizacija IEC

- IEC 60205:2016
Calculation of the effective parameters of magnetic piece parts
- IEC 61332:2016
Soft ferrite material classification

29.120.30 Utikači, utičnice, sprežnici

Međunarodna normizacija IEC

- IEC 62613-2:2016
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems) – Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija CENELEC

- HD 60364-4-46:2016
Low-voltage electrical installations – Part 4-46: Protection for safety – Isolation and switching
- HD 60364-5-537:2016
Low-voltage electrical installations – Part 5-537: Selection and erection of electrical equipment – Devices for protection, isolation, switching, control and monitoring – Clause 537: Isolation and switching

Međunarodna normizacija IEC

- IEC 60127-5:2016
Miniature fuses – Part 5: Guidelines for quality assessment of miniature fuse-links

29.130.20 Niskonaponski rasklopni i upravljački uređaji

Međunarodna normizacija IEC

- IEC 60947-2 Corrigendum 1:2016
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers – Corrigendum 1

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Međunarodna normizacija IEC

- IEC 62035 AMD 1:2016
Discharge lamps (excluding fluorescent lamps) – Safety specifications; Amendment 1
- IEC 62035 Edition 2.1:2016
Discharge lamps (excluding fluorescent lamps) – Safety specifications

29.140.99 Ostale norme koje se odnose na svjetiljke

Međunarodna normizacija IEC

- IEC 62922:2016
Organic light emitting diode (OLED) panels for general lighting – Performance requirements
- IEC/TR 63037:2016
Electrical interface specifications for self ballasted lamps and controlgear in phase-cut dimmed lighting systems

29.160.01 Rotacijski strojevi općenito

Međunarodna normizacija
IEC

IEC 60034-12:2016
Rotating electrical machines – Part 12: Starting performance of single-speed three-phase cage induction motors

29.180 Transformatori. Prigušnice

Europska normizacija
CENELEC

EN 60076-10:2016
Power transformers – Part 10: Determination of sound levels (IEC 60076-10:2016)

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Međunarodna normizacija
IEC

IEC 61204-7:2016
Low-voltage switch mode power supplies – Part 7: Safety requirements

IEC 62040-2:2016
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements

29.220.10 Primarni članci i baterije

Europska normizacija
CENELEC

EN 60086-5:2016
Primary batteries – Part 5: Safety of batteries with aqueous electrolyte (IEC 60086-5:2016)

29.220.20 Kiseli sekundarni članci i baterije

Europska normizacija
CENELEC

EN 62660-3:2016
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements (IEC 62660-3:2016)

29.280 Oprema za električnu vuču

Europska normizacija
CENELEC

EN 50122-1:2011/A3:2016
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock

EN 50405:2015/A1:2016
Railway applications – Current collection systems – Pantographs, testing methods for contact strips

EN 62621:2016/A1:2016
Railway applications – Fixed installations – Electric traction – Specific requirements for composite insulators used for overhead contact line systems

31.020 Elektronički sastavni dijelovi općenito

Europska normizacija
CENELEC

EN 61340-5-1:2016
Electrostatics – Part 5-1: Protection of electronic devices from electrostatic phenomena – General requirements (IEC 61340-5-1:2016)

31.060.10 Nepromjenjivi kondenzatori

Europska normizacija
CENELEC

EN 60384-14:2013/A1:2016
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains (IEC 60384-14:2013/A1:2016)

31.080.99 Ostale poluvodičke naprave

Europska normizacija
CENELEC

EN 62047-25:2016
Semiconductor devices – Micro-electromechanical devices – Part 25: Silicon based MEMS fabrication technology – Measurement method of pull-press and shearing strength of micro bonding area (IEC 62047-25:2016)

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija
IEC

IEC 62908-13-10:2016
Touch and interactive displays – Part 13-10: Reliability test methods of touch displays – Environmental durability test methods

31.180 Tiskani krugovi i pločice

Međunarodna normizacija
IEC

IEC 63055:2016
Format for LSI-Package-Board interoperable design

31.200 Integrirani krugovi. Mikroelektronika

Međunarodna normizacija
IEC

IEC 62228-2:2016
Integrated circuits – EMC evaluation of transceivers – Part 2: LIN transceivers

IEC 63055:2016
Format for LSI-Package-Board interoperable design

31.220.01 Elektromehanički sastavni dijelovi općenito

Europska normizacija
CENELEC

EN 62047-25:2016
Semiconductor devices – Micro-electromechanical devices – Part 25: Silicon based MEMS fabrication technology – Measurement method of pull-press and shearing strength of micro bonding area (IEC 62047-25:2016)

31.220.10 Utikačke i utičničke naprave. Konektori

Međunarodna normizacija
IEC

IEC/PAS 61076-3-124:2016
Connectors for electronic equipment – Product requirements – Part 3-124: Detail specification for 10 way, shielded, free and fixed connectors for I/O and Gigabit transmission capability for industrial applications

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija IEC

- IEC 62922:2016
Organic light emitting diode (OLED) panels for general lighting
– Performance requirements

33.020 Telekomunikacije općenito

Europska normizacija ETSI

- ETSI SR 000314 V 2.20.1:2016
Intellectual Property Rights (IPRs) – Essential, or potentially
Essential, IPRs notified to ETSI in respect of ETSI standards

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

- ETSI TS 103106 V 1.4.1:2016
Speech and multimedia Transmission Quality (STQ) – Speech
quality performance in the presence of background noise:
Background noise transmission for mobile terminals-objective
test methods
- ETSI EG 203350 V 1.1.1:2016
Human Factors (HF) – Guidelines for the design of mobile
ICT devices and their related applications for people with
cognitive disabilities

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

- EN 300328 V 2.1.1:2016
Wideband transmission systems – Data transmission
equipment operating in the 2,4 GHz ISM band and using
wide band modulation techniques – Harmonised Standard
covering the essential requirements of article 3.2 of Directive
2014/53/EU
- EN 300674-2-2 V 2.1.1:2016
Transport and Traffic Telematics (TTT) – Dedicated Short
Range Communication (DSRC) transmission equipment
(500 kbit/s / 250 kbit/s) operating in the 5795 MHz to
5815 MHz frequency band – Part 2: Harmonised Standard
covering the essential requirements of article 3.2 of Directive
2014/53/EU – Sub-part 2: On-Board Units (OBU)
- EN 301166 V 2.1.1:2016
Land Mobile Service – Radio equipment for analogue and/
or digital communication (speech and/or data) and operating
on narrow band channels and having an antenna connector
– Harmonised Standard covering the essential requirements
of article 3.2 of the Directive 2014/53/EU
- EN 301908-10 V 4.2.2:2016
Electromagnetic compatibility and Radio spectrum Matters
(ERM) – Base Stations (BS), Repeaters and User Equipment
(UE) for IMT-2000 Third-Generation cellular networks
– Part 10: Harmonised Standard for IMT-2000, FDMA/TDMA
(DECT) covering the essential requirements of article 3.2 of
the Directive 2014/53/EU
- EN 302065-1 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology
(UWB) – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
– Part 1: Requirements for Generic UWB applications
- EN 302065-2 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology
(UWB) – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
– Part 2: Requirements for UWB location tracking

- EN 302065-3 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology
(UWB) – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
– Part 3: Requirements for UWB devices for ground based
vehicular applications

- EN 302065-4 V 1.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band
technology (UWB) – Harmonised Standard covering the
essential requirements of article 3.2 of the Directive 2014/53/
EU – Part 4: Material Sensing devices using UWB technology
below 10,6 GHz

- EN 302208 V 3.1.1:2016
Radio Frequency Identification Equipment operating in the
band 865 MHz to 868 MHz with power levels up to 2 W and
in the band 915 MHz to 921 MHz with power levels up to 4 W
– Harmonised Standard covering the essential requirements
of article 3.2 of the Directive 2014/53/EU

- EN 302248 V 2.1.1:2016
Navigation radar for use on non-SOLAS vessels – Harmonised
Standard covering the essential requirements of article 3.2 of
the Directive 2014/53/EU

33.060.30 Radioreleji i nepomični satelitski komunikacijski sustavi

Europska normizacija ETSI

- EN 300487 V 2.1.2:2016
Satellite Earth Stations and Systems (SES) – Harmonised
Standard for Receive-Only Mobile Earth Stations (ROMES)
providing data communications operating in the 1,5 GHz
frequency band – Radio Frequency (RF) specifications
covering the essential requirements of article 3.2 of the
Directive 2014/53/EU
- EN 301426 V 2.1.2:2016
Satellite Earth Stations and Systems (SES) – Harmonised
Standard for Low data rate Land Mobile satellite Earth
Stations (LMES) and Maritime Mobile satellite Earth Stations
(MMES) not intended for distress and safety communications
operating in the 1,5 GHz/1,6 GHz frequency bands covering
the essential requirements of article 3.2 of the Directive
2014/53/EU
- EN 301444 V 2.1.2:2016
Satellite Earth Stations and Systems (SES) – Harmonised
Standard for Land Mobile Earth Stations (LMES) providing
voice and/or data communications, operating in the
1,5 GHz and 1,6 GHz frequency bands covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
- EN 301473 V 2.1.2:2016
Satellite Earth Stations and Systems (SES) – Harmonised
Standard for Aircraft Earth Stations (AES) providing
Aeronautical Mobile Satellite Service (AMSS)/Mobile Satellite
Service (MSS) and/or the Aeronautical Mobile Satellite on
Route Service (AMS(R)S)/Mobile Satellite Service (MSS),
operating in the frequency band below 3 GHz covering the
essential requirements of article 3.2 of the Directive 2014/53/EU
- EN 301681 V 2.1.2:2016
Satellite Earth Stations and Systems (SES) – Harmonised
Standard for Mobile Earth Stations (MES) of Geostationary
mobile satellite systems, including handheld earth stations,
for Satellite Personal Communications Networks (S-PCN)
under the Mobile Satellite Service (MSS), operating in the
1,5 GHz and 1,6 GHz frequency bands covering the essential
requirements of article 3.2 of the Directive 2014/53/EU

33.060.99 Ostala oprema za radiokomunikacije

Europska normizacija ETSI

- EN 300328 V 2.1.1:2016
Wideband transmission systems – Data transmission
equipment operating in the 2,4 GHz ISM band and using
wide band modulation techniques – Harmonised Standard
covering the essential requirements of article 3.2 of
Directive 2014/53/EU

33.070.01 Usluge pokretne mreže općenito

Europska normizacija CENELEC

EN 62209-1:2016

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz) (IEC 62209-1:2016)

33.070.10 Terestrijalni trunking radio (TETRA)

Europska normizacija ETSI

EN 300396-6 V 1.6.1:2016

Terrestrial Trunked Radio (TETRA) – Direct Mode Operation (DMO) – Part 6: Security

ETSI TR 102300-7 V 1.2.1:2016

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D): Designers' guide – Part 7: TETRA High-Speed Data (HSD) – TETRA Enhanced Data Service (TEDS)

33.070.30 Digitalne poboljšane bežične telekomunikacije (DECT)

Europska normizacija ETSI

EN 300700 V 2.1.1:2016

Digital Enhanced Cordless Telecommunications (DECT) – Wireless Relay Station (WRS)

EN 301908-10 V 4.2.2:2016

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 10: Harmonised Standard for IMT-2000, FDMA/TDMA (DECT) covering the essential requirements of article 3.2 of the Directive 2014/53/EU

33.070.40 Sateliti

Europska normizacija ETSI

EN 300487 V 2.1.2:2016

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Receive-Only Mobile Earth Stations (ROMES) providing data communications operating in the 1,5 GHz frequency band – Radio Frequency (RF) specifications covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301426 V 2.1.2:2016

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Low data rate Land Mobile satellite Earth Stations (LMES) and Maritime Mobile satellite Earth Stations (MMES) not intended for distress and safety communications operating in the 1,5 GHz/1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301444 V 2.1.2:2016

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Land Mobile Earth Stations (LMES) providing voice and/or data communications, operating in the 1,5 GHz and 1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301473 V 2.1.2:2016

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Aircraft Earth Stations (AES) providing Aeronautical Mobile Satellite Service (AMSS)/Mobile Satellite Service (MSS) and/or the Aeronautical Mobile Satellite on Route Service (AMS(R)S)/Mobile Satellite Service (MSS), operating in the frequency band below 3 GHz covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301681 V 2.1.2:2016

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) of Geostationary mobile satellite systems, including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) under the Mobile Satellite Service (MSS), operating in the 1,5 GHz and 1,6 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

ETSI TS 102968 V 1.1.1:2016

Reconfigurable Radio Systems (RRS) – System requirements for Reconfigurable Radio Systems operating in IMT-Bands and GSM-Bands for intra-operator scenarios

ETSI TS 103368 V 1.1.1:2016

Railway Telecommunications – Commands necessary for mobile radio equipment operation on railways

ETSI TS 123008 V 13.6.0:2016

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 13.6.0 Release 13)

ETSI TS 125331 V 12.11.0:2016

Universal Mobile Telecommunications System (UMTS) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 25.331 version 12.11.0 Release 12)

ETSI TS 125331 V 13.4.0:2016

Universal Mobile Telecommunications System (UMTS) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 25.331 version 13.4.0 Release 13)

ETSI TS 131102 V 13.5.0:2016

Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 13.5.0 Release 13)

ETSI TS 131121 V 13.4.0:2016

Universal Mobile Telecommunications System (UMTS) – LTE – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 13.4.0 Release 13)

ETSI TS 131124 V 13.5.0:2016

Universal Mobile Telecommunications System (UMTS) – LTE – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 13.5.0 Release 13)

ETSI TS 131130 V 13.1.0:2016

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – (U)SIM Application Programming Interface (API) – (U)SIM API for Java Card (3GPP TS 31.130 version 13.1.0 Release 13)

ETSI TS 132251 V 13.6.1:2016

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Packet Switched (PS) domain charging (3GPP TS 32.251 version 13.6.1 Release 13)

ETSI TS 134114 V 12.2.0:2016

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) / Mobile Station (MS) Over The Air (OTA) antenna performance – Conformance testing (3GPP TS 34.114 version 12.2.0 Release 12)

ETSI TS 134121-1 V 12.5.0:2016

Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Radio transmission and reception (FDD) – Part 1: Conformance specification (3GPP TS 34.121-1 version 12.5.0 Release 12)

ETSI TS 134123-2 V 12.5.0:2016

Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 12.5.0 Release 12)

- ETSI TS 134229-1 V 12.11.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 12.11.0 Release 12)
- ETSI TS 134229-1 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 13.0.0 Release 13)
- ETSI TS 134229-2 V 12.10.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 12.10.0 Release 12)
- ETSI TS 134229-2 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 13.0.0 Release 13)
- ETSI TS 134229-3 V 11.5.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 11.5.0 Release 11)
- ETSI TS 134229-3 V 12.1.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 12.1.0 Release 12)
- ETSI TS 134229-3 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 13.0.0 Release 13)
- ETSI TS 136133 V 11.17.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 11.17.0 Release 11)
- ETSI TS 136133 V 12.12.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 12.12.0 Release 12)
- ETSI TS 136133 V 13.4.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 13.4.0 Release 13)
- ETSI TS 136211 V 13.3.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 13.3.0 Release 13)
- ETSI TS 136213 V 11.12.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 11.12.0 Release 11)
- ETSI TS 136213 V 12.11.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 12.11.0 Release 12)
- ETSI TS 136213 V 13.3.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 13.3.0 Release 13)
- ETSI TS 136323 V 13.3.1:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 13.3.1 Release 13)
- ETSI TS 136508 V 12.11.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 12.11.0 Release 12)
- ETSI TS 136509 V 13.1.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 13.1.0 Release 13)
- ETSI TS 136521-2 V 12.9.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 12.9.0 Release 12)
- ETSI TS 136521-2 V 13.3.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 13.3.0 Release 13)
- ETSI TS 136521-3 V 10.5.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 10.5.0 Release 10)
- ETSI TS 136523-1 V 12.10.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 12.10.0 Release 12)
- ETSI TS 136523-2 V 12.10.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 12.10.0 Release 12)
- ETSI TS 136523-2 V 13.2.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 13.2.0 Release 13)
- ETSI TR 136903 V 12.11.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for Radio Resource Management (RRM) conformance tests (3GPP TR 36.903 version 12.11.0 Release 12)
- ETSI TS 137571-1 V 12.8.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 12.8.0 Release 12)
- ETSI TS 137571-1 V 13.1.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 13.1.0 Release 13)

- ETSI TS 137571-2 V 12.6.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 12.6.0 Release 12)
- ETSI TS 137571-2 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 13.0.0 Release 13)
- ETSI TS 137571-3 V 12.8.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE
– Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 12.8.0 Release 12)
- ETSI TS 137571-3 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE
– Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 13.0.0 Release 13)
- ETSI TS 137571-4 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 13.0.0 Release 13)
- ETSI TS 137571-5 V 12.6.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 12.6.0 Release 12)
- ETSI TS 137571-5 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 13.0.0 Release 13)
- ETSI TS 143020 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Security related network functions (3GPP TS 43.020 version 13.3.0 Release 13)
- ETSI TS 143022 V 13.2.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Functions related to Mobile Station (MS) in idle mode and group receive mode (3GPP TS 43.022 version 13.2.0 Release 13)
- ETSI TS 144014 V 13.2.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Individual equipment type requirements and interworking – Special GSM/EDGE conformance testing functions (3GPP TS 44.014 version 13.2.0 Release 13)
- ETSI TS 144018 V 13.3.2:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile radio interface layer 3 specification – GSM/EDGE Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 13.3.2 Release 13)
- ETSI TS 144060 V 13.3.1:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Mobile Station (MS) – Base Station System (BSS) interface – Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 13.3.1 Release 13)
- ETSI TS 144064 V 13.2.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station – Serving GPRS Support Node (MS-SGSN) – Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 13.2.0 Release 13)
- ETSI TS 145001 V 13.3.1:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– GSM/EDGE Physical layer on the radio path – General description (3GPP TS 45.001 version 13.3.1 Release 13)
- ETSI TS 145002 V 13.3.1:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– GSM/EDGE Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 13.3.1 Release 13)
- ETSI TS 145003 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– GSM/EDGE Channel coding (3GPP TS 45.003 version 13.3.0 Release 13)
- ETSI TS 145004 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– GSM/EDGE Modulation (3GPP TS 45.004 version 13.3.0 Release 13)
- ETSI TS 145008 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– GSM/EDGE Radio subsystem link control (3GPP TS 45.008 version 13.3.0 Release 13)
- ETSI TS 145010 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Radio subsystem synchronization (3GPP TS 45.010 version 13.3.0 Release 13)
- ETSI TS 148008 V 13.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Mobile Switching Centre – Base Station system (MSC-BSS) interface – Layer 3 specification (3GPP TS 48.008 version 13.3.0 Release 13)
- ETSI TS 148018 V 13.3.1:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– General Packet Radio Service (GPRS) – Base Station System (BSS) – Serving GPRS Support Node (SGSN) – BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 13.3.1 Release 13)
- ETSI TS 151010-2 V 13.2.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Mobile Station (MS) conformance specification – Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.2.0 Release 13)
- ETSI TS 151010-4 V 12.3.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 12.3.0 Release 12)
- ETSI TS 151010-4 V 13.1.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 13.1.0 Release 13)
- ETSI TS 151021 V 13.2.1:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Base Station System (BSS) equipment specification – Radio aspects (3GPP TS 51.021 version 13.2.1 Release 13)

33.070.99 Ostale pokretne službe

Europska normizacija

ETSI

- ETSI TS 124384 V 13.2.1:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Mission Critical Push To Talk (MCPTT) configuration management – Protocol specification (3GPP TS 24.384 version 13.2.1 Release 13)
- ETSI TR 136904 V 11.4.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for User Equipment (UE) radio reception conformance tests (3GPP TR 36.904 version 11.4.0 Release 11)

ETSI TR 136905 V 12.3.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 12.3.0 Release 12)

ETSI TR 136905 V 13.1.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 13.1.0 Release 13)

ETSI TS 137145-1 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 13.0.0 Release 13)

ETSI TS 137145-2 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 13.0.0 Release 13)

33.100.01 Elektromagnetska kompatibilnost općenito

Europska normizacija ETSI

EN 300328 V 2.1.1:2016
Wideband transmission systems – Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

EN 301489-31 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

EN 301908-10 V 4.2.2:2016
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 10: Harmonised Standard for IMT-2000, FDMA/TDMA (DECT) covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Međunarodna normizacija IEC

IEC 62040-2:2016
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements

33.100.10 Zračenje

Europska normizacija ETSI

EN 300328 V 2.1.1:2016
Wideband transmission systems – Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

EN 301489-5 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA) Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

EN 301489-6 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

EN 301489-15 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 15: Specific conditions for commercially available amateur radio equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

EN 301489-31 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

EN 301489-51 V 1.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz – Harmonised Standard covering the essential requirements of article 3.1b of Directive 2014/53/EU

EN 302065-1 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Requirements for Generic UWB applications

EN 302065-2 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: Requirements for UWB location tracking

EN 302065-3 V 2.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: Requirements for UWB devices for ground based vehicular applications

EN 302065-4 V 1.1.1:2016
Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 4: Material Sensing devices using UWB technology below 10,6 GHz

EN 302248 V 2.1.1:2016
Navigation radar for use on non-SOLAS vessels – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

ETSI TR 103401 V 1.1.1:2016
Smart Grid Systems and Other Radio Systems suitable for Utility Operations, and their long-term spectrum requirements

ETSI TR 103451 V 1.1.1:2016
System Reference document (SRdoc) – Short Range Devices (SRD) – Technical characteristics for UHF wideband Ultra Low Power Wireless Medical Capsule Endoscopy

33.100.20 Otpornost

Međunarodna normizacija IEC

IEC 62228-2:2016
Integrated circuits – EMC evaluation of transceivers – Part 2: LIN transceivers

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Europska normizacija CENELEC

EN 62827-1:2016
Wireless Power Transfer – Management – Part 1: Common Components (IEC 62827-1:2016)

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija CEN

EN 16836-1:2016
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 1: Introduction and standardization framework

EN 16836-2:2016
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 2: Networking layer and stack specification

EN 16836-3:2016
Communication systems for meters – Wireless mesh networking for meter data exchange – Part 3: Energy profile specification dedicated application layer

CENELEC

EN 60870-5-104:2006/A1:2016
Telecontrol equipment and systems – Part 5-104: Transmission protocols – Network access for IEC 60870-5-101 using standard transport profiles (IEC 60870-5-104:2006/A1:2016)

ETSI

ETSI TS 103424 V 1.1.1:2016
Publicly Available Specification (PAS) – Smart Machine-to-Machine communications (SmartM2M) Home Gateway Initiative RD036-Smart Home architecture and system requirements

ETSI TS 103425 V 1.1.1:2016
Publicly Available Specification (PAS) – Smart Machine-to-Machine communications (SmartM2M) Home Gateway Initiative RD039-Requirements for Wireless Home Area Networks (WHANs) Supporting Smart Home Services

ETSI TS 103426 V 1.1.1:2016
Publicly Available Specification (PAS) – Smart Machine-to-Machine communications (SmartM2M) Home Gateway Initiative RD048-HG Requirements For HGI Open Platform 2.1

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija ISO/IEC

ISO/IEC TR 20913:2016
Information technology – Data centres – Guidelines on holistic investigation methodology for data centre key performance indicators

35.030 Sigurnost u informacijskoj tehnologiji

Međunarodna normizacija ISO

ISO/IEC 18370-1:2016
Information technology – Security techniques – Blind digital signatures – Part 1: General

ISO/IEC 19592-1:2016
Information technology – Security techniques – Secret sharing – Part 1: General

ISO/IEC 27011:2016
Information technology – Security techniques – Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations

IEC

ISO/IEC 18370-1:2016
Information technology – Security techniques – Blind digital signatures – Part 1: General

ISO/IEC 19592-1:2016
Information technology – Security techniques – Secret sharing – Part 1: General

ISO/IEC 27011:2016
Information technology – Security techniques – Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations

ISO/IEC 27050-1:2016
Information technology – Security techniques – Electronic discovery – Part 1: Overview and concepts

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO/IEC

ISO/IEC 14496-4 AMD 45:2016
Information technology – Coding of audio-visual objects – Part 4: Conformance testing – Amendment 45: Conformance Testing for the Multi-resolution Frame Compatible Stereo Coding with Depth Maps Extension of AVC

ISO/IEC 14496-26 AMD 4:2016
Information technology – Coding of audio-visual objects – Part 26: Audio conformance – Amendment 4: AAC Additional Multichannel Conformance Data

ISO/IEC 21000-22:2016
Information technology – Multimedia framework (MPEG-21) – Part 22: User Description

ISO/IEC 23003-2 AMD 4:2016
Information technology – MPEG audio technologies – Part 2: Spatial Audio Object Coding (SAOC) – Amendment 4: SAOC Conformance

ISO/IEC 23003-2 AMD 5:2016
Information technology – MPEG audio technologies – Part 2: Spatial Audio Object Coding (SAOC) – Amendment 5: SAOC Reference Software

ISO/IEC 23008-3 AMD 4:2016
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 4: Carriage of system data

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija ISO/IEC

ISO/IEC 18305:2016
Information technology – Real time locating systems – Test and evaluation of localization and tracking systems

35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

Međunarodna normizacija IEC

IEC 61636:2016
Software Interface for Maintenance Information Collection and Analysis (SIMICA)

IEC 61636-1:2016
Software interface for maintenance information collection and analysis (SIMICA): Exchanging test results and session information via the extensible markup language (XML)

IEC 61636-99:2016
Software Interface for Maintenance Information Collection and Analysis (SIMICA): Common Information Elements

IEC 63055:2016
Format for LSI-Package-Board interoperable design

35.080 Softver (programaska podrška)

Međunarodna normizacija ISO/IEC

ISO/IEC/IEEE 29119-5:2016
Software and systems engineering – Software testing – Part 5:
Keyword-Driven Testing

ISO/IEC 30105-1:2016
Information technology – IT Enabled Services-Business
Process Outsourcing (ITES-BPO) lifecycle processes – Part 1:
Process reference model (PRM)

ISO/IEC 30105-2:2016
Information technology – IT Enabled Services-Business
Process Outsourcing (ITES-BPO) lifecycle processes – Part 2:
Process assessment model (PAM)

ISO/IEC 30105-3:2016
Information technology – IT Enabled Services-Business
Process Outsourcing (ITES-BPO) lifecycle processes – Part 3:
Measurement framework (MF) and organization maturity model
(OMM)

ISO/IEC 30105-4:2016
Information technology – IT Enabled Services-Business
Process Outsourcing (ITES-BPO) lifecycle processes – Part 4:
Terms and concepts

ISO/IEC 30105-5:2016
Information technology – IT Enabled Services-Business
Process Outsourcing (ITES-BPO) lifecycle processes – Part 5:
Guidelines

35.100.10 Fizikalni sloj

Europska normizacija CEN

EN 16836-1:2016
Communication systems for meters – Wireless mesh
networking for meter data exchange – Part 1: Introduction and
standardization framework

EN 16836-2:2016
Communication systems for meters – Wireless mesh
networking for meter data exchange – Part 2: Networking
layer and stack specification

35.100.20 Sloj veze između podataka

Međunarodna normizacija IEC

IEC 61987-15:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 15:
Lists of properties (LOPs) for level measuring equipment for
electronic data exchange

35.100.30 Mrežni sloj

Europska normizacija CEN

EN 16836-2:2016
Communication systems for meters – Wireless mesh
networking for meter data exchange – Part 2: Networking
layer and stack specification

35.100.70 Sloj primjene

Europska normizacija CEN

EN 16836-3:2016
Communication systems for meters – Wireless mesh
networking for meter data exchange – Part 3: Energy profile
specification dedicated application layer

Međunarodna normizacija ISO/IEC

ISO/IEC 9594-8 Technical Corrigendum 3:2016
Information technology – Open Systems Interconnection
– The Directory – Part 8: Public-key and attribute certificate
frameworks; Technical Corrigendum 3

35.200 Sučelna i spojna oprema

Međunarodna normizacija ISO

ISO/IEC TR 15067-3-2:2016
Information technology – Home Electronic System (HES)
application model – Part 3-2: GridWise interoperability
context-setting framework

IEC

ISO/IEC TR 15067-3-2:2016
Information technology – Home Electronic System (HES)
application model – Part 3-2: GridWise interoperability
context-setting framework

IEC 62680-1-2:2016
Universal serial bus interfaces for data and power – Part 1-2:
Common components – USB Power Delivery specification

IEC 62680-1-2:2016
Universal serial bus interfaces for data and power – Part 1-2:
Common components – USB Power Delivery specification

35.240.15 Identifikacijske kartice i pripadajuće naprave

Međunarodna normizacija ISO/IEC

ISO/IEC 7816-8:2016
Identification cards – Integrated circuit cards – Part 8:
Commands and mechanisms for security operations

ISO/IEC 19794-6 AMD 2:2016
Information technology – Biometric data interchange formats
– Part 6: Iris image data – Amendment 2: XML encoding and
clarification of defects

35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

Europska normizacija CENELEC

EN 62605:2016
Multimedia systems and equipment – Multimedia e-publishing
and e-books – Interchange format for e-dictionaries
(IEC 62605:2016)

Međunarodna normizacija ISO/IEC

ISO/IEC 9541-1 AMD 1:2016
Information technology – Font information interchange – Part 1:
Architecture

35.240.50 Primjene IT-a u industriji

Europska normizacija CENELEC

EN 61003-2:2016
Industrial-process control systems – Instruments with analogue
inputs and two- or multi-position outputs – Part 2: Guidance for
inspection and routine testing (IEC 61003-2:2016)

EN 62424:2016
Representation of process control engineering – Requests in
P&I diagrams and data exchange between P&ID tools and
PCE-CAE tools (IEC 62424:2016)

Međunarodna normizacija IEC

- IEC 61987-15:2016
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 15: Lists of properties (LOPs) for level measuring equipment for electronic data exchange
- IEC/TR 62357-1:2016
Power systems management and associated information exchange – Part 1: Reference architecture

35.240.60 Primjene IT-a u prijevozu i trgovini

Europska normizacija CENELEC

- EN 61375-2-3:2015/AC:2016
Electronic railway equipment – Train communication network (TCN) – Part 2-3: TCN communication profile (IEC 61375-2-3:2015/COR2:2016)
- EN 62580-1:2016
Electronic railway equipment – On-board multimedia and telematic subsystems for railways – Part 1: General architecture (IEC 62580-1:2015)

ETSI

- ETSI TS 102940 V 1.2.1:2016
Intelligent Transport Systems (ITS) – Security – ITS communications security architecture and security management
- ETSI TS 102965 V 1.3.1:2016
Intelligent Transport Systems (ITS) – Application Object Identifier (ITS-AID) – Registration
- ETSI TS 103248 V 1.1.1:2016
Intelligent Transport Systems (ITS) – GeoNetworking – Port Numbers for the Basic Transport Protocol (BTP)
- ETSI TS 103301 V 1.1.1:2016
Intelligent Transport Systems (ITS) – Vehicular Communications – Basic Set of Applications – Facilities layer protocols and communication requirements for infrastructure services

Međunarodna normizacija ISO

- ISO 13140-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 13141 – Part 1: Test suite structure and test purposes
- ISO 13140-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 13141 – Part 2: Abstract test suite
- ISO 13143-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes
- ISO 13143-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 2: Abstract test suite
- ISO 16787:2016
Intelligent transport systems – Assisted Parking System (APS) – Performance requirements and test procedures

35.240.80 Primjene IT-a u tehnologiji zaštite zdravlja

Europska normizacija CENELEC

- EN 60601-2-33/A12:2016
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis

Međunarodna normizacija ISO

- ISO 21549-7:2016
Health informatics – Patient healthcard data – Part 7: Medication data
- IEC 82304-1:2016
Health software – Part 1: General requirements for product safety

35.240.90 IT aplikacije za obrazovanje

Međunarodna normizacija ISO/IEC

- ISO/IEC 19788-3 AMD 1:2016
Information technology – Learning, education and training – Metadata for learning resources – Part 3: Basic application profile; Amendment 1

35.240.99 Primjene IT-a u ostalim područjima

Međunarodna normizacija ISO/IEC

- ISO/IEC TR 15067-3-2:2016
Information technology – Home Electronic System (HES) application model – Part 3-2: GridWise interoperability context-setting framework

37.020 Optička oprema

Međunarodna normizacija ISO

- ISO 9344:2016
Microscopes – Graticules for eyepieces
- ISO 14490-7:2016
Optics and photonics – Test methods for telescopic systems – Part 7: Test methods for limit of resolution

37.100.01 Grafička tehnologija općenito

Međunarodna normizacija ISO

- ISO 12647-7:2016
Graphic technology – Process control for the production of halftone colour separations, proof and production prints – Part 7: Proofing processes working directly from digital data
- ISO 16762:2016
Graphic technology – Post-press – General requirements for transfer, handling and storage

43.020 Cestovna vozila općenito

Europska normizacija CEN

- EN ISO 10326-1:2016
Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 1: Basic requirements (ISO 10326-1:2016)

43.040.10 Električna i elektronička oprema

Međunarodna normizacija ISO

- ISO 8820-4:2016
Road vehicles – Fuse-links – Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures

ISO 13400-3:2016
Road vehicles – Diagnostic communication over Internet Protocol (DoIP) – Part 3: Wired vehicle interface based on IEEE 802.3

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Međunarodna normizacija
ISO

ISO/TR 17987-5:2016
Road vehicles – Local Interconnect Network (LIN) – Part 5: Application programmers interface (API)

43.040.30 Pokazni i upravljački uređaji

Europska normizacija
CEN

EN 16882:2016
Road vehicles – Security of the mechanical seals used on tachographs – Requirements and test procedures

43.040.65 Sustavi za laštenje i brisanje stakla

Međunarodna normizacija
ISO

ISO 15082:2016
Road vehicles – Tests for rigid plastic safety glazing materials

43.060.40 Sustavi goriva

Međunarodna normizacija
ISO

ISO 2698:2016
Diesel engines – Clamp-mounted fuel injectors, types 7 and 28

ISO 2974:2016
Diesel engines – 60° female cones for high-pressure fuel injection components

ISO 15501-1:2016
Road vehicles – Compressed natural gas (CNG) fuel systems – Part 1: Safety requirements

ISO 15501-2:2016
Road vehicles – Compressed natural gas (CNG) fuel systems – Part 2: Test methods

ISO 18418-1:2016
Gasoline engines – Medium pressure liquid fuel supply connections – Part 1: 60° female cone connectors

ISO 19724:2016
Gasoline engines with direct injection – Cleanliness assessment of fuel injection equipment

43.080.01 Gospodarska vozila općenito

Međunarodna normizacija
ISO

ISO 18375:2016
Heavy commercial vehicles and buses – Test method for yaw stability – Sine with dwell test

43.080.10 Teretna vozila i prikolice

Europska normizacija
CEN

EN 12642:2016
Securing of cargo on road vehicles – Body structure of commercial vehicles – Minimum requirements

43.100 Osobna vozila. Kamp-prikolice i lake prikolice

Europska normizacija
CEN

EN 16230-2:2016
Leisure karts – Part 2: Safety requirements for karting facilities

43.120 Električna cestovna vozila

Europska normizacija
CENELEC

EN 62660-3:2016
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements (IEC 62660-3:2016)

Međunarodna normizacija
ISO

ISO 18300:2016
Electrically propelled vehicles – Test specifications for lithium-ion battery systems combined with lead acid battery or capacitor

43.180 Oprema za dijagnostiku, održavanje i ispitivanje

Europska normizacija
CEN

EN ISO 17268:2016
Gaseous hydrogen land vehicle refuelling connection devices (ISO 17268:2012)

Međunarodna normizacija
ISO

ISO 13400-3:2016
Road vehicles – Diagnostic communication over Internet Protocol (DoIP) – Part 3: Wired vehicle interface based on IEEE 802.3

ISO/TR 17950:2016
Impact test procedures for road vehicles – Rear seat positioning procedures for Hybrid III 5th percentile female dummy

45.020 Željeznička tehnika općenito

Europska normizacija
CEN

EN 15273-1+A1:2016
Railway applications – Gauges – Part 1: General – Common rules for infrastructure and rolling stock

EN 15273-2+A1:2016
Railway applications – Gauges – Part 2: Rolling stock gauge

EN 15273-3+A1:2016
Railway applications – Gauges – Part 3: Structure gauges

Međunarodna normizacija
ISO

ISO/TR 21245-1:2016
Railway applications – Rail project planning process – Part 1: Stakeholders and their needs/interests

ISO/TR 21245-2:2016
Railway applications – Rail project planning process – Part 2: Conditions

45.040 Materijali i sastavni dijelovi za željezničku tehniku

Europska normizacija CEN

EN 14198:2016
Railway applications – Braking – Requirements for the brake system of trains hauled by locomotives

45.060.01 Željeznička tračnička vozila općenito

Europska normizacija CEN

EN 15273-1+A1:2016
Railway applications – Gauges – Part 1: General – Common rules for infrastructure and rolling stock

EN 15273-2+A1:2016
Railway applications – Gauges – Part 2: Rolling stock gauge

EN 15273-3+A1:2016
Railway applications – Gauges – Part 3: Structure gauges

EN 50533:2011/A1:2016
Railway applications – Three-phase train line voltage characteristics

45.060.10 Vučna vozila

Europska normizacija CENELEC

EN 50405:2015/A1:2016
Railway applications – Current collection systems – Pantographs, testing methods for contact strips

EN 62864-1:2016
Railway applications – Rolling stock – Power supply with onboard energy storage system – Part 1: Series hybrid system (IEC 62864-1:2016)

47.020.40 Oprema za dizanje i rukovanje teretom

Međunarodna normizacija ISO

ISO 3078:2016
Shipbuilding – Cargo winches

ISO 19354:2016
Ships and marine technology – Marine cranes – General requirements

ISO 19357:2016
Ships and marine technology – Marine cranes – Design requirements for low temperature operation

ISO 19360:2016
Ships and marine technology – Marine cranes – Technical requirements for rigging applications

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Međunarodna normizacija IEC

IEC 62613-2:2016
Plugs, socket-outlets and ship couplers for high-voltage shore connection systems (HVSC-systems) – Part 2: Dimensional compatibility and interchangeability requirements for accessories to be used by various types of ships

47.020.70 Oprema za navigaciju i upravljanje

Europska normizacija ETSI

EN 302248 V 2.1.1:2016
Navigation radar for use on non-SOLAS vessels – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Međunarodna normizacija ISO

ISO 19697:2016
Ships and marine technology – Navigation and ship operations – Electronic inclinometers

47.020.99 Ostale norme koje se odnose na brodogradnju i pomorske konstrukcije

Međunarodna normizacija ISO

ISO 19030-1:2016
Ships and marine technology – Measurement of changes in hull and propeller performance – Part 1: General principles

ISO 19030-2:2016
Ships and marine technology – Measurement of changes in hull and propeller performance – Part 2: Default method

ISO 19030-3:2016
Ships and marine technology – Measurement of changes in hull and propeller performance – Part 3: Alternative methods

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

EN 4165-013:2016
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 013: Cable clamp 2 and 4 modules for connectors, series 2 and series 3 – Product standard

49.080 Hidraulični i pneumatski sustavi i sastavni dijelovi za zrakoplove

Međunarodna normizacija ISO

ISO 8575:2016
Aerospace – Fluid systems – Hydraulic system tubing

49.090 Oprema i instrumenti u zrakoplovu

Europska normizacija CEN

EN 4701-002:2016
Aerospace series – Connectors, optical, rectangular, modular, operating temperature 125 °C, for EN 4531-101 contacts – Part 002: Specification of performance

49.100 Zemaljska služba i oprema za održavanje

Međunarodna normizacija ISO

ISO 43:2016
Aircraft – Jacking pads

49.140 Svemirski sustavi i operacije

Međunarodna normizacija ISO

- ISO 10537:2016
Space data and information transfer systems – Encapsulation service
- ISO 17540:2016
Space systems – Liquid rocket engines and test stands – Terms and definitions
- ISO 17666:2016
Space systems – Risk management
- ISO 18257:2016
Space systems – Semiconductor integrated circuits for space applications – Design requirements
- ISO 18440:2016
Space data and information transfer systems – Space link extension – Internet protocol for transfer services
- ISO 18441:2016
Space data and information transfer systems – Space link extension – Application program interface for transfer services – Core specification
- ISO 18442:2016
Space data and information transfer systems – Space link extension – Application program interface for return all frames service
- ISO 18443:2016
Space data and information transfer systems – Space link extension – Application program interface for return channel frames service
- ISO 18444:2016
Space data and information transfer systems – Space link extension – Application program interface for return operational control fields service
- ISO 18445:2016
Space data and information transfer systems – Space link extension – Application program interface for the forward CLTU service
- ISO 18446:2016
Space data and information transfer systems – Space link extension – Application program interface for the forward space packet service
- ISO 21323:2016
Space data and information transfer systems – CCSDS Bundle protocol specification
- ISO 21324:2016
Space data and information transfer systems – Space data link security protocol
- ISO 22645:2016
Space data and information transfer systems – TM (telemetry) space data link protocol
- ISO 22664:2016
Space data and information transfer systems – TC (telecommand) space data link protocol
- ISO 22666:2016
Space data and information transfer systems – AOS (advanced orbiting systems) space data link protocol

53.020.99 Ostala oprema za dizanje

Europska normizacija CEN

- EN 1570-2:2016
Safety requirements for lifting tables – Part 2: Lifting tables serving more than 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s

53.040.20 Sastavni dijelovi za prijenosne trake

Europska normizacija CEN

- EN ISO 15236-1:2016
Steel cord conveyor belts – Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use (ISO 15236-1:2016)

53.060 Industrijski prijevozni sustavi

Europska normizacija CEN

- EN ISO 3691-2:2016/AC:2016
Industrial trucks – Safety requirements and verification – Part 2: Self-propelled variable-reach trucks (ISO 3691-2:2016)

53.100 Strojevi za zemljane radove

Europska normizacija CEN

- EN ISO 10326-1:2016
Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 1: Basic requirements (ISO 10326-1:2016)

55.020 Ambalaža, pakiranje i distribucija robe općenito

Međunarodna normizacija ISO

- ISO 19709-1:2016
Transport packaging – Small load container systems – Part 1: Common requirements and test methods

55.180.40 Kompleti, plombirani paketi za prijevoz

Međunarodna normizacija ISO

- ISO 18616-1:2016
Transport packaging – Reusable, rigid plastic distribution boxes – Part 1: General purpose application
- ISO 18616-2:2016
Transport packaging – Reusable, rigid plastic distribution boxes – Part 2: General specifications for testing

59.080.30 Tekstilni proizvodi

Međunarodna normizacija ISO

- ISO 12947-2:2016
Textiles – Determination of the abrasion resistance of fabrics by the Martindale method – Part 2: Determination of specimen breakdown

59.080.40 Naslojeni plošni tekstil

Europska normizacija CEN

- EN ISO 4674-1:2016
Rubber- or plastics-coated fabrics – Determination of tear resistance – Part 1: Constant rate of tear methods (ISO 4674-1:2016)

Međunarodna normizacija ISO

- ISO 5470-1:2016
Rubber- or plastics-coated fabrics – Determination of abrasion resistance – Part 1: Taber abrader

59.120.10 Strojevi za pređenje, pletenje i tkanje

Međunarodna normizacija
ISO

ISO 96-1:2016
Textile machinery and accessories – Rings and travellers for ring spinning and ring twisting frames – Part 1: Flange rings T and SF and their travellers

65.060.10 Poljoprivredni traktori i priključna vozila

Europska normizacija
CEN

EN ISO 10326-1:2016
Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 1: Basic requirements (ISO 10326-1:2016)

65.060.25 Oprema za čuvanje, pripremu i distribuciju gnojiva

Europska normizacija
CEN

EN ISO 1401:2016
Rubber hoses for agricultural spraying (ISO 1401:2016)

65.060.40 Oprema za njegu biljaka

Europska normizacija
CEN

EN ISO 1401:2016
Rubber hoses for agricultural spraying (ISO 1401:2016)

65.120 Hrana za životinje

Europska normizacija
CEN

EN 16877:2016
Animal feeding stuffs: Methods of sampling and analysis – Determination of T-2 and HT-2 toxins, Deoxynivalenol and Zearalenone, in feed materials and compound feed by LC-MS

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Europska normizacija
CENELEC

EN 61010-2-012:2016
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment (IEC 61010-2-012:2016)

71.040.50 Fizikalnokemijske metode analize

Europska normizacija
CEN

EN 16877:2016
Animal feeding stuffs: Methods of sampling and analysis – Determination of T-2 and HT-2 toxins, Deoxynivalenol and Zearalenone, in feed materials and compound feed by LC-MS

71.100.20 Plinovi za industrijsku primjenu

Europska normizacija
CEN

EN ISO 17268:2016
Gaseous hydrogen land vehicle refuelling connection devices (ISO 17268:2012)

73.040 Ugljen

Međunarodna normizacija
ISO

ISO 11723:2016
Solid mineral fuels – Determination of arsenic and selenium – Eschka's mixture and hydride generation method

ISO 15237:2016
Solid mineral fuels – Determination of total mercury content of coal

ISO 15238:2016
Solid mineral fuels – Determination of total cadmium content of coal

75.100 Maziva, industrijska ulja i srodni proizvodi

Međunarodna normizacija
ISO

ISO 15380:2016
Lubricants, industrial oils and related products (class L) – Family H (Hydraulic systems) – Specifications for hydraulic fluids in categories HETG, HEPG, HEES and HEPR

ISO 19291:2016
Lubricants – Determination of tribological quantities for oils and greases – Tribological test in the translatory oscillation apparatus

75.140 Vosak, bitumenski materijali i ostali naftni proizvodi

Europska normizacija
CEN

EN 13075-1:2016
Bitumen and bituminous binders – Determination of breaking behaviour – Part 1: Determination of breaking value of cationic bituminous emulsions, mineral filler method

EN 13075-2:2016
Bitumen and bituminous binders – Determination of breaking behaviour – Part 2: Determination of fines mixing time of cationic bituminous emulsions

EN 13587:2016
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method

75.160.10 Kruta goriva

Međunarodna normizacija
ISO

ISO 622:2016
Solid mineral fuels – Determination of phosphorus content – Reduced molybdophosphate photometric method

75.160.20 Tekuća goriva

Europska normizacija
CEN

EN 16896:2016
Petroleum products and related products – Determination of kinematic viscosity – Method by Stabinger type viscosimeter

75.180.30 Volumetrijska oprema i mjerenja

Međunarodna normizacija ISO

- ISO 29945:2016
Refrigerated non-petroleum based liquefied gaseous fuels – Dimethylether (DME) – Method of manual sampling onshore terminals

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Europska normizacija CEN

- EN ISO 16440:2016
Petroleum and natural gas industries – Pipeline transportation systems – Design, construction and maintenance of steel cased pipelines (ISO 16440:2016)

77.040.10 Mehaničko ispitivanje metala

Europska normizacija CEN

- EN ISO 148-1:2016
Metallic materials – Charpy pendulum impact test – Part 1: Test method (ISO 148-1:2016)
- EN ISO 148-2:2016
Metallic materials – Charpy pendulum impact test – Part 2: Verification of testing machines (ISO 148-2:2016)
- EN ISO 148-3:2016
Metallic materials – Charpy pendulum impact test – Part 3: Preparation and characterization of Charpy V-notch test pieces for indirect verification of pendulum impact machines (ISO 148-3:2016)
- EN ISO 3928:2016
Sintered metal materials, excluding hardmetals – Fatigue test pieces (ISO 3928:2016)
- EN ISO 14577-4:2016
Metallic materials – Instrumented indentation test for hardness and materials parameters – Part 4: Test method for metallic and non-metallic coatings (ISO 14577-4:2016)

Međunarodna normizacija ISO

- ISO 12135:2016
Metallic materials – Unified method of test for the determination of quasistatic fracture toughness

77.140.50 Proizvodi i poluproizvodi od plosnatog čelika

Europska normizacija CEN

- EN 10205:2016
Cold reduced tinmill products – Blackplate

77.140.75 Čelične cijevi i čelične cijevi za posebnu namjenu

Europska normizacija CEN

- EN ISO 16440:2016
Petroleum and natural gas industries – Pipeline transportation systems – Design, construction and maintenance of steel cased pipelines (ISO 16440:2016)

77.150.10 Proizvodi od aluminija

Europska normizacija CEN

- EN 754-2:2016
Aluminium and aluminium alloys – Cold drawn rod/bar and tube – Part 2: Mechanical properties

77.160 Metalurgija praha

Europska normizacija CEN

- EN ISO 3928:2016
Sintered metal materials, excluding hardmetals – Fatigue test pieces (ISO 3928:2016)

79.040 Drvo, trupci i piljena građa

Europska normizacija CEN

- EN 16873:2016
Conservation of cultural heritage – Guidelines for the management of waterlogged wood on archaeological terrestrial sites

Međunarodna normizacija ISO

- ISO 13061-13:2016
Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 13: Determination of radial and tangential shrinkage
- ISO 13061-14:2016
Physical and mechanical properties of wood – Test methods for small clear wood specimens – Part 14: Determination of volumetric shrinkage

81.040.20 Staklo u graditeljstvu

Međunarodna normizacija ISO

- ISO 16293-4:2016
Glass in building – Basic soda lime silicate glass products – Part 4: Wired patterned glass
- ISO 16293-5:2016
Glass in building – Basic soda lime silicate glass products – Part 5: Patterned glass

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

- ISO 19603:2016
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for determining elastic modulus and bending strength of thick ceramic coatings
- ISO 22197-1:2016
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for air-purification performance of semiconducting photocatalytic materials – Part 1: Removal of nitric oxide

83.040.30 Pomoćni materijali i aditivi za plastiku

Europska normizacija CEN

- EN ISO 1043-3:2016
Plastics – Symbols and abbreviated terms – Part 3: Plasticizers (ISO 1043-3:2016)

83.060 Guma

Međunarodna normizacija ISO

ISO 4666-3:2016
Rubber, vulcanized – Determination of temperature rise and resistance to fatigue in flexometer testing – Part 3: Compression flexometer (constant-strain type)

83.080.01 Plastika općenito

Europska normizacija CEN

EN ISO 1043-3:2016
Plastics – Symbols and abbreviated terms – Part 3: Plasticizers (ISO 1043-3:2016)

EN ISO 15512:2016
Plastics – Determination of water content (ISO 15512:2016)

83.120 Ojačana plastika

Međunarodna normizacija ISO

ISO 19044:2016
Test methods for fibre-reinforced cementitious composites – Load-displacement curve using notched specimen

83.140.01 Gumeni i plastični proizvodi općenito

Međunarodna normizacija ISO

ISO 15082:2016
Road vehicles – Tests for rigid plastic safety glazing materials

83.140.40 Crijeva

Europska normizacija CEN

EN ISO 1401:2016
Rubber hoses for agricultural spraying (ISO 1401:2016)

Međunarodna normizacija ISO

ISO 6804:2016
Rubber and plastics inlet hoses and hose assemblies for washing-machines and dishwashers – Specification

83.140.99 Ostali gumeni i plastični proizvodi

Europska normizacija CEN

EN 15701:2016
Plastics – Thermoplastic jackets for insulation products for building equipment and industrial installations – Requirements and test methods

85.060 Papir i karton

Međunarodna normizacija ISO

ISO 18522:2016
Paper and board – Automated off-line testing of physical properties for CD (cross direction) profiles

87.020 Procesi premazivanja bojom

Međunarodna normizacija ISO

ISO 15741:2016
Paints and varnishes – Friction-reduction coatings for the interior of on- and offshore steel pipelines for non-corrosive gases

91.010.01 Građevinska industrija općenito

Međunarodna normizacija ISO

ISO 16757-2:2016
Data structures for electronic product catalogues for building services – Part 2: Geometry

91.080.40 Betonske konstrukcije

Međunarodna normizacija ISO

ISO 15673:2016
Guidelines for the simplified design of structural reinforced concrete for buildings

91.100.10 Cement. Gips. Vapno. Mort

Europska normizacija CEN

EN 196-3:2016
Methods of testing cement – Part 3: Determination of setting times and soundness

EN 998-1:2016
Specification for mortar for masonry – Part 1: Rendering and plastering mortar

EN 998-2:2016
Specification for mortar for masonry – Part 2: Masonry mortar

91.100.23 Keramičke pločice

Međunarodna normizacija ISO

ISO 10545-13:2016
Ceramic tiles – Part 13: Determination of chemical resistance

91.100.25 Građevni proizvodi od pečene gline

Europska normizacija CEN

CEN/TR 16886:2016
Guidance on the application of statistical methods for determining the properties of masonry products

91.100.30 Beton i betonski proizvodi

Međunarodna normizacija ISO

ISO 1920-2:2016
Testing of concrete – Part 2: Properties of fresh concrete

ISO 19044:2016
Test methods for fibre-reinforced cementitious composites – Load-displacement curve using notched specimen

91.100.50 Veziva. Materijali za brtvljenje

Europska normizacija CEN

- EN 13075-1:2016
Bitumen and bituminous binders – Determination of breaking behaviour – Part 1: Determination of breaking value of cationic bituminous emulsions, mineral filler method
- EN 13075-2:2016
Bitumen and bituminous binders – Determination of breaking behaviour – Part 2: Determination of fines mixing time of cationic bituminous emulsions
- EN 13587:2016
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method

91.100.60 Materijali za toplinsku i zvučnu izolaciju

Europska normizacija CEN

- EN 13163+A2:2016
Thermal insulation products for buildings – Factory made expanded polystyrene (EPS) products – Specification

91.120.10 Toplinska izolacija

Međunarodna normizacija ISO

- ISO 18523-1:2016
Energy performance of buildings – Schedule and condition of building, zone and space usage for energy calculation – Part 1: Non-residential buildings

91.120.40 Zaštita od groma

Europska normizacija CENELEC

- EN 62305-1:2011/AC:2016
Protection against lightning – Part 1: General principles
- EN 62305-4:2011/AC:2016
Protection against lightning – Part 4: Electrical and electronic systems within structures

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CENELEC

- HD 60364-4-46:2016
Low-voltage electrical installations – Part 4-46: Protection for safety – Isolation and switching
- HD 60364-5-537:2016
Low-voltage electrical installations – Part 5-537: Selection and erection of electrical equipment – Devices for protection, isolation, switching, control and monitoring – Clause 537: Isolation and switching

Međunarodna normizacija IEC

- IEC 62052-11 AMD 1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment; Amendment 1
- IEC 62052-11 Edition 1.1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 11: Metering equipment
- IEC 62052-21 AMD 1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment; Amendment 1

IEC 62052-21 Edition 1.1:2016
Electricity metering equipment (a.c.) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment

IEC 62053-11 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2); Amendment 1

IEC 62053-11 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)

IEC 62053-21 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2); Amendment 1

IEC 62053-21 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2)

IEC 62053-22 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S); Amendment 1

IEC 62053-22 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)

IEC 62053-23 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3); Amendment 1

IEC 62053-23 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3)

IEC 62053-24 AMD 1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1); Amendment 1

IEC 62053-24 Edition 1.1:2016
Electricity metering equipment (a.c.) – Particular requirements – Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1)

IEC 62054-11 AMD 1:2016
Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers; Amendment 1

IEC 62054-11 Edition 1.1:2016
Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers

91.140.60 Sustavi opskrbe vodom

Međunarodna normizacija IEC

IEC 60335-2-109 AMD 2:2016
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances; Amendment 2

IEC 60335-2-109 Edition 1.2:2016
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances

91.140.65 Oprema za grijanje vode

Međunarodna normizacija IEC

IEC 60335-2-35 AMD 1:2016
Household and similar electrical appliances – Safety – Part 2-35: Particular requirements for instantaneous water heaters

IEC 60335-2-35 Edition 5.1:2016
Household and similar electrical appliances – Safety
– Part 2-35: Particular requirements for instantaneous water
heaters

91.140.70 Sanitarne instalacije

Međunarodna normizacija IEC

IEC 60335-2-105:2016
Household and similar electrical appliances – Safety
– Part 2-105: Particular requirements for multifunctional
shower cabinets

91.140.90 Dizala. Pokretne stube

Međunarodna normizacija ISO

ISO/TR 22201-3:2016
Lifts (elevators), escalators and moving walks – Programmable
electronic systems in safety related applications – Part 3: Life
cycle guideline for programmable electronic systems related
to PESSRAL and PESSRAE

91.180 Unutrašnji završni radovi

Europska normizacija CEN

EN 233:2016
Wallcoverings in roll form – Specification for finished
wallpapers, wall vinyls and plastics wallcoverings

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija CEN

EN ISO 17892-4:2016
Geotechnical investigation and testing – Laboratory testing
of soil – Part 4: Determination of particle size distribution
(ISO 17892-4:2016)

EN ISO 18674-2:2016
Geotechnical investigation and testing – Geotechnical
monitoring by field instrumentation – Part 2: Measurement of
displacements along a line: Extensometers (ISO 18674-2:2016)

93.080.10 Gradnja cesta

Međunarodna normizacija ISO

ISO 8608:2016
Mechanical vibration – Road surface profiles – Reporting of
measured data

93.080.99 Ostale norme koje se odnose na cestogradnju

Europska normizacija CEN

CWA 17089:2016
Indicators for the sustainability assessment of roads

93.100 Gradnja željezničkih pruga

Europska normizacija CEN

EN 16704-2-1:2016
Railway applications – Track – Safety protection on the track
during work – Part 2-1: Common solutions and technologies
– Technical requirements for Track Warning Systems (TWS)

EN 16704-2-2:2016
Railway applications – Track – Safety protection on the track
during work – Part 2-2: Common solutions and technology
– Requirements for barriers

EN 16704-3:2016
Railway applications – Track – Safety protection on the track
during work – Part 3: Competences for personnel related to
work on or near tracks

EN 16771:2016
Railway applications – Infrastructure – Aluminothermic
welding of grooved rails

97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

Europska normizacija CENELEC

EN 60350-1:2016
Household electric cooking appliances – Part 1: Ranges,
ovens, steam ovens and grills – Methods for measuring
Performance (IEC 60350-1:2016, modified)

97.040.40 Strojevi za pranje posuđa

Međunarodna normizacija ISO

ISO 6804:2016
Rubber and plastics inlet hoses and hose assemblies for
washing-machines and dishwashers – Specification

97.040.99 Ostala kuhinjska oprema

Europska normizacija CEN

EN 16282-2:2016
Equipment for commercial kitchens – Components for
ventilation in commercial kitchens – Part 2: Kitchen ventilation
hoods; design and safety requirements

EN 16282-3:2016
Equipment for commercial kitchens – Components for
ventilation in commercial kitchens – Part 3: Kitchen ventilation
ceilings; design and safety requirements

EN 16282-4:2016
Equipment for commercial kitchens – Components for
ventilation in commercial kitchens – Part 4: Air inlets and
outlets; design and safety requirements

97.060 Praonički uređaji

Međunarodna normizacija ISO

ISO 6804:2016
Rubber and plastics inlet hoses and hose assemblies for
washing-machines and dishwashers – Specification

97.100.10 Električni grijači

Međunarodna normizacija IEC

IEC 60335-2-30 AMD 1:2016
Household and similar electrical appliances – Safety – Part 2-30:
Particular requirements for room heaters; Amendment 1

IEC 60335-2-30 Edition 5.1:2016
Household and similar electrical appliances – Safety – Part 2-30:
Particular requirements for room heaters

97.120 Automatsko upravljanje za kućansku upotrebu

Europska normizacija CENELEC

EN 62820-1-1:2016
Building intercom systems – Part 1-1: System requirements – General (IEC 62820-1-1:2016)

97.140 Namještaj

Europska normizacija CEN

EN 12727:2016
Furniture – Ranked seating – Requirements for safety, strength and durability

EN 15372:2016
Furniture – Strength, durability and safety – Requirements for non-domestic tables

97.150 Netekstilni podni prekrivači

Međunarodna normizacija ISO

ISO 20253:2016
Textile floor coverings – Blade test – Flocked textile floor covering

97.170 Oprema za njegu tijela

Europska normizacija CEN

EN ISO 16409:2016
Dentistry – Oral care products – Manual interdental brushes (ISO 16409:2016)

97.180 Razna kućanska i gospodarska oprema

Međunarodna normizacija ISO

ISO 12757-1:2016
Ball point pens and refills – Part 1: General use

97.195 Umjetnički i obrtnički predmeti

Europska normizacija CEN

EN 16873:2016
Conservation of cultural heritage – Guidelines for the management of waterlogged wood on archaeological terrestrial sites

97.220.10 Sportski objekti

Europska normizacija CEN

EN 16230-2:2016
Leisure karts – Part 2: Safety requirements for karting facilities

EN 16899:2016
Sports and recreational equipment – Parkour equipment – Safety requirements and test methods

97.220.20 Oprema za zimske sportove

Međunarodna normizacija ISO

ISO 10256-1:2016
Protective equipment for use in ice hockey – Part 1: General requirements

ISO 10256-2:2016
Protective equipment for use in ice hockey – Part 2: Head protection for skaters

ISO 10256-3:2016
Protective equipment for use in ice hockey – Part 3: Face protectors for skaters

ISO 10256-4:2016
Protective equipment for use in ice hockey – Part 4: Head and face protection for goalkeepers

97.220.30 Oprema za sportske dvorane

Europska normizacija CEN

EN ISO 20957-9:2016
Stationary training equipment – Part 9: Elliptical trainers, additional specific safety requirements and test methods (ISO 20957-9:2016)

Međunarodna normizacija ISO

ISO 20957-4:2016
Stationary training equipment – Part 4: Strength training benches, additional specific safety requirements and test methods

