

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

6/2014 prosinac, 2014.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrtu hrvatskih norma, prijedloga za prihvaćanje stranih norma u izvorniku, povučene hrvatske norme, povučene nacrtu hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije razvrstane po predmetnom ustroju i obavijesti HZN-a.

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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4.1	Cjenik hrvatskih norma	
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# Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme.

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

## HZNTO 28, *Naftni proizvodi i maziva*

HRN EN 1601:2014/Ispr.1:2014 en pr  
Tekući naftni proizvodi – Bezolovni motorni benzin – Određivanje količine organskih spojeva kisika i ukupnoga organski vezanoga kisika plinskom kromatografijom (O-FID) (EN 1601:2014/AC:2014)  
Liquid petroleum products – Unleaded petrol – Determination of organic oxygenate compounds and total organically bound oxygen content by gas chromatography (O-FID) (EN 1601:2014/AC:2014)

HRN EN ISO 10370:2014 en pr  
Naftni proizvodi – Određivanje koksnog ostatka – Mikrometoda (ISO 10370:2014; EN ISO 10370:2014)  
Petroleum products – Determination of carbon residue – Micro method (ISO 10370:2014; EN ISO 10370:2014)

HRN EN 15195:2014 en pr  
Tekući naftni proizvodi – Određivanje odgode paljenja i izračunavanje cetanskog broja (DCN) srednje destilatnih goriva izgaranjem u komori konstantnog obujma (EN 15195:2014)  
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels by combustion in a constant volume chamber (EN 15195:2014)

HRI CEN/TR 15367-1:2014 en pr  
Naftni proizvodi – Uputa za ispravno postupanje – 1. dio: Dizelska goriva (CEN/TR 15367-1:2014)  
Petroleum products – Guidelines for good housekeeping – Part 1: Automotive diesel fuels (CEN/TR 15367-1:2014)

HRN EN 15376:2014 en pr  
Goriva za motorna vozila – Etanol kao komponenta za namješavanje u benzin – Zahtjevi i metode ispitivanja (EN 15376:2014)  
Automotive fuels – Ethanol as a blending component for petrol – Requirements and test methods (EN 15376:2014)

HRN EN 16576:2014 en pr  
Goriva za motorna vozila – Određivanje količine mangana i željeza u dizelskim gorivima – Metoda optičke emisijske spektralne analize uz induktivno spregnutu plazmu (ICP OES) (EN 16576:2014)  
Automotive fuels – Determination of manganese and iron content in diesel – Inductively coupled plasma optical emission spectrometry (ICP OES) method (EN 16576:2014)

## HZNTO 35, *Boje i lakovi*

HRN EN 927-2:2014 en pr  
Boje i lakovi – Premazna sredstva i premazni sustavi za drvo u vanjskim prostorima – 2. dio: Specifikacija svojstava (EN 927-2:2014)

Paints and varnishes – Coating materials and coating systems for exterior wood – Part 2: Performance specification (EN 927-2:2014)

HRN EN ISO 2813:2014 en pr  
Boje i lakovi – Određivanje sjaja pri 20 stupnjeva, 60 stupnjeva i 85 stupnjeva (ISO 2813:2014; EN ISO 2813:2014)  
Paints and varnishes – Determination of gloss value at 20 degrees; 60 degrees and 85 degrees (ISO 2813:2014; EN ISO 2813:2014)

HRN EN ISO 3233-2:2014 en pr  
Boje i lakovi – Određivanje volumnog postotka nehlapljivih tvari – 2. dio: Metoda određivanja sadržaja nehlapljivih tvari u skladu s normom ISO 3251 i određivanje gustoće suhog filma na presvučenim ispitnim pločama po Arhimedovom načelu (ISO 3233-2:2014; EN ISO 3233-2:2014)  
Paints and varnishes – Determination of the percentage volume of non-volatile matter – Part 2: Method using the determination of non-volatile-matter content in accordance with ISO 3251 and determination of dry film density on coated test panels by the Archimedes principle (ISO 3233-2:2014; EN ISO 3233-2:2014)

HRN EN ISO 4618:2014 en pr  
Boje i lakovi – Nazivi i definicije (ISO 4618:2014; EN ISO 4618:2014)  
Paints and varnishes – Terms and definitions (ISO 4618:2014; EN ISO 4618:2014)

HRN EN 13523-4:2014 en pr  
Metali zaštićeni trakom – Metode ispitivanja – 4. dio: Tvrdća ispitana olovkom (EN 13523-4:2014)  
Coil coated metals – Test methods – Part 4: Pencil hardness (EN 13523-4:2014)

HRN EN ISO 13803:2014 en pr  
Boje i lakovi – Određivanje zamućenosti refleksije na filmovima boje pri 20 stupnjeva (ISO 13803:2014; EN ISO 13803:2014)  
Paints and varnishes – Determination of haze on paint films at 20 degrees (ISO 13803:2014; EN ISO 13803:2014)

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

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

HRN EN 16566:2014 en pr  
Boje i lakovi – Punjači (fileri) za unutrašnje i vanjske radove – Prilagodavanje punjača europskim normama (EN 16566:2014)  
Paints and varnishes – Fillers for internal and/or external works – Adaptation of fillers to European standards (EN 16566:2014)

HRN EN ISO 17463:2014 en pr  
Boje i lakovi – Smjernice za određivanje antikorozivnih svojstava organskih prevlaka ubrzanim cikličkim elektrokemijskim postupkom (ISO 17463:2014; EN ISO 17463:2014)  
Paints and varnishes – Guidelines for the determination of anticorrosive properties of organic coatings by accelerated cyclic electrochemical technique (ISO 17463:2014; EN ISO 17463:2014)

## **HZNTO 86, Uređaji za hlađenje, klimatizaciju i dizalice topline**

- HRN ISO 817:2014 en pr  
Radne tvari – Označavanje i klasifikacija sigurnosti (ISO 817:2014)  
Refrigerants – Designation and safety classification (ISO 817:2014)

## **HZNTO 92, Zaštita od požara**

- HRN EN 1366-12:2014 en pr  
Ispitivanja otpornosti na požar servisnih instalacija – 12. dio: Nemehaničke protupožarne zaklopke (EN 1366-12:2014)  
Fire resistance tests for service installations – Part 12: Non-mechanical fire barrier for ventilation ductwork (EN 1366-12:2014)

## **HZNTO 116, Uređaji i oprema za izmjenu topline**

- HRN EN 327:2014 en pr  
Izmjenjivači topline – Rashladni kondenzatori hlađeni prisilnom konvekcijom zraka – Postupci ispitivanja za određivanje radnih značajka (EN 327:2014)  
Heat exchangers – Forced convection air cooled refrigerant condensers – Test procedures for establishing performance (EN 327:2014)
- HRN EN 328:2014 en pr  
Izmjenjivači topline – Hladnjaci s prisilnom konvekcijom zraka – Postupci ispitivanja za određivanje radnih značajka (EN 328:2014)  
Heat exchangers – Forced convection unit air coolers for refrigeration – Test procedures for establishing the performance (EN 328:2014)
- HRN EN 1048:2014 en pr  
Izmjenjivači topline – Hladnjaci tekućine (suhi rashladni tornjevi) hlađeni prisilnom konvekcijom zraka – Postupak ispitivanja za određivanje radnih značajka (EN 1048:2014)  
Heat exchangers – Air cooled liquid coolers ('dry coolers') – Test procedures for establishing performance (EN 1048:2014)

## **HZNTO 130, Grafička tehnologija**

- HRN ISO 2846-1:2014 en pr  
Grafička tehnologija – Obojenje i transparentcija tiskarskih bojila za četverbojni tisak – 1. dio: Ofsetni litografski tisak iz arka i role (ISO 2846-1:2006)  
Graphic technology – Colour and transparency of printing ink sets for four-colour printing – Part 1: Sheet-fed and heat-set web offset lithographic printing (ISO 2846-1:2006)
- HRN ISO 2846-2:2014 en pr  
Grafička tehnologija – Obojenje i transparentcija tiskarskih bojila za četverbojni tisak – 2. dio: Coldset ofsetni litografski tisak (ISO 2846-2:2007)  
Graphic technology – Colour and transparency of printing ink sets for four-colour printing – Part 2: Coldset offset lithographic printing (ISO 2846-2:2007)
- HRN ISO 2846-3:2014 en pr  
Grafička tehnologija – Obojenje i transparentcija tiskarskih bojila za četverbojni tisak – 3. dio: Ilustracijski bakrotisak (ISO 2846-3:2002)  
Graphic technology – Colour and transparency of printing ink sets for four-colour-printing – Part 3: Publication gravure printing (ISO 2846-3:2002)
- HRN ISO 2846-5:2014 en pr  
Grafička tehnologija – Obojenje i transparentcija tiskarskih bojila za četverbojni tisak – 5. dio: Flekso (ISO 2846-5:2005)  
Graphic technology – Colour and transparency of printing ink sets for four-colour printing – Part 5: Flexographic printing (ISO 2846-5:2005)
- HRN ISO 11084-1:2014 en pr  
Grafička tehnologija – Sustavi registara za fotografske materijale, folije i papir – 1. dio: Sustav registara sa 3 klina (ISO 11084-1:1993)  
Graphic technology – Register systems for photographic materials, foils and paper – Part 1: Three-pin systems (ISO 11084-1:1993)
- HRN ISO 11084-2:2014 en pr  
Grafička tehnologija – Sustavi registara za fotografske materijale, folije i papir – 2. dio: Sustavi registara s klinovima za proizvodnju tiskovnih formi (ISO 11084-2:2006)  
Graphic technology – Register systems for photographic materials, foils and paper – Part 2: Register pin systems for plate making (ISO 11084-2:2006)
- HRN ISO 12218:2014 en pr  
Grafička tehnologija – Kontrola procesa – Izrada tiskovne forme za ofsetni (ISO 12218:1997)  
Graphic technology – Process control – Offset platemaking (ISO 12218:1997)
- HRN ISO 12637-3:2014 en pr  
Grafička tehnologija – Terminološki rječnik – 3. dio: Nazivlje u tiskarstvu (ISO 12637-3:2009)  
Graphic technology – Vocabulary – Part 3: Printing terms (ISO 12637-3:2009)
- HRN ISO 12640-2:2014 en pr  
Grafička tehnologija – Izmjena digitalnih podataka u grafičkoj pripremi – 2. dio: XYZ/sRGB kodni standard za kolorne slikovne podatke (XYZ/SCID) (ISO 12640-2:2004)  
Graphic technology – Prepress digital data exchange – Part 2: XYZ/sRGB encoded standard colour image data (XYZ/SCID) (ISO 12640-2:2004)
- HRN ISO 12641:2014 en pr  
Grafička tehnologija – Izmjena digitalnih podataka u grafičkoj pripremi – Kolorna testna polja za ulaznu kalibraciju skenera (ISO 12641:1997)  
Graphic technology – Prepress digital data exchange – Colour targets for input scanner calibration (ISO 12641:1997)
- HRN ISO 12643-1:2014 en pr  
Grafička tehnologija – Sigurnosni zahtjevi za grafičku opremu i sustave – 1. dio: Opći zahtjevi (ISO 12643-1:2009)  
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 1: General requirements (ISO 12643-1:2009)
- HRN ISO 12643-2:2014 en pr  
Grafička tehnologija – Sigurnosni zahtjevi za opremu i sustave u grafičkoj tehnologiji – 2. dio: Oprema i sustavi za grafičku pripremu i tisak (ISO 12643-2:2010)  
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 2: Prepress and press equipment and systems (ISO 12643-2:2010)
- HRN ISO 12646:2014/A1:2014 en pr  
Grafička tehnologija – Monitorški prikaz u svrhu korekcije boja – Karakteristike i uvjeti za vizualni pregled (ISO 12646:2008/Amd 1:2010)  
Graphic technology – Displays for colour proofing – Characteristics and viewing conditions (ISO 12646:2008/Amd 1:2010)

- HRN ISO 12647-6:2014 en pr  
Grafička tehnologija – Kontrola procesa pri izradi kolornih rasterskih separacija, probnih otisaka i proizvodnih otisaka – 6 dio: Fleksografski tisak (ISO 12647-6:2012)  
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 6: Flexographic printing (ISO 12647-6:2012)
- HRN ISO/TR 16066:2014 en pr  
Grafička tehnologija – Standardizirana spektralna baza podataka za procjenu reprodukcije boje (SOCS) (ISO/TR 16066:2003)  
Graphic technology – Standard object colour spectra database for colour reproduction evaluation (SOCS) (ISO/TR 16066:2003)

### **HZN/TO 145, Grafički simboli**

- HRN EN ISO 7010:2013/A4:2014 en pr  
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2011/Amd 4:2013; EN ISO 7010:2012/A4:2014)  
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2011/Amd 4:2013; EN ISO 7010:2012/A4:2014)

### **HZN/TO 146, Kvaliteta zraka**

- HRN EN 14181:2014 en pr  
Emisije iz stacionarnih izvora – Osiguranje kvalitete rada automatskih mjernih sustava (EN 14181:2014)  
Stationary source emissions – Quality assurance of automated measuring systems (EN 14181:2014)
- HRN ISO 16000-6:2014 en pr  
Zrak u zatvorenom prostoru – 6. dio: Određivanje hlapljivih organskih spojeva u zatvorenom prostoru i komori za ispitivanje zraka uzorkovanjem na TENAX TA sorbentu, toplinskom desorpcijom i plinskom kromatografijom uporabom MS ili MS-FID (ISO 16000-6:2011)  
Indoor air – Part 6: Determination of volatile organic compounds in indoor and test chamber air by active sampling on Tenax TA sorbent, thermal desorption and gas chromatography using MS or MS-FID (ISO 16000-6:2011)
- HRN EN ISO 16000-32:2014 en pr  
Zrak u zatvorenom prostoru – 32. dio: Ispitivanje prisutnosti onečišćujućih tvari u građevinama (ISO 16000-32:2014; EN ISO 16000-32:2014)  
Indoor air – Part 32: Investigation of buildings for the occurrence of pollutants (ISO 16000-32:2014; EN ISO 16000-32:2014)

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

- HRN EN ISO 11978:2014 en pr  
Oftalmološka optika – Kontaktne leće i proizvodi za održavanje kontaktnih leća – Označavanje (ISO 11978:2014; EN ISO 11978:2014)  
Ophthalmic optics – Contact lenses and contact lens care products – Labelling (ISO 11978:2014; EN ISO 11978:2014)
- HRN EN ISO 11979-6:2014 en pr  
Oftalmološki implantanti – Intraokularne leće – 6. dio: Spremnik za leće i ispitivanje stabilnosti transporta (ISO 11979-6:2014; EN ISO 11979-6:2014)  
Ophthalmic implants – Intraocular lenses – Part 6: Shelf-life and transport stability testing (ISO 11979-6:2014; EN ISO 11979-6:2014)

- HRN ISO 12858-1:2014 en pr  
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 1. dio: Invarске nivelmanske letve (ISO 12858-1:2014)  
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 1: Invar levelling staffs (ISO 12858-1:2014)
- HRN EN ISO 12870:2014 en pr  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2012; EN ISO 12870:2014)  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2012; EN ISO 12870:2014)
- HRN EN ISO 14730:2014 en pr  
Oftalmološka optika – Proizvodi za održavanje kontaktnih leća – Ispitivanje djelotvornosti antimikrobne zaštite i smjernice za određivanje vremena prestanka djelovanja (ISO 14730:2014; EN ISO 14730:2014)  
Ophthalmic optics – Contact lens care products – Antimicrobial preservative efficacy testing and guidance on determining discard date (ISO 14730:2014; EN ISO 14730:2014)
- HRN ISO 17123-1:2014 en pr  
Optika i optički instrumenti – Terenski postupci za ispitivanje geodetskih instrumenata i instrumenata za izmjere – 1. dio: Teorija (ISO 17123-1:2014)  
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 1: Theory (ISO 17123-1:2014)

### **HZN/TO 184, Sustavi industrijske automatizacije i integracija**

- HRN ISO 13584-42:2014 en pr  
Industrijski sustavi automatizacije i integracija – Knjižnica dijelova – 42. dio: Metodologija opisa: metodologija strukturiranja familija dijelova (ISO 13584-42:2010)  
Industrial automation systems and integration – Parts library – Part 42: Description methodology: Methodology for structuring parts families (ISO 13584-42:2010)
- HRN ISO 15745-1:2004/A1:2014 en pr  
Sustavi industrijske automatizacije i integracija – Okvir za integraciju programskih podrški otvorenih sustava – 1. dio: Opći referencijski opis (ISO 15745-1:2003/Amd 1:2007)  
Industrial automation systems and integration – Open systems application integration framework – Part 1: Generic reference description (ISO 15745-1:2003/Amd 1:2007)

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

- HRS CEN ISO/TS 29843-1:2014 en pr  
Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 1. dio: Analiza masnih kiselina u fosfolipidima (PLFA) i analiza fosfolipid-eter lipida (PLEL) (ISO/TS 29843-1:2010; CEN ISO/TS 29843-1:2014)  
Soil quality – Determination of soil microbial diversity – Part 1: Method by phospholipid fatty acid analysis (PLFA) and phospholipid ether lipids (PLEL) analysis (ISO/TS 29843-1:2010; CEN ISO/TS 29843-1:2014)



## HZN/TO 215, *Medicinska informatika*

- HRN EN ISO 22600-1:2014 en pr  
Medicinska informatika – Upravljanje pravima i kontrola pristupa – 1. dio: Pregled i upravljačka politika (ISO 22600-1:2014; EN ISO 22600-1:2014)  
Health informatics – Privilege management and access control – Part 1: Overview and policy management (ISO 22600-1:2014; EN ISO 22600-1:2014)
- HRN EN ISO 22600-2:2014 en pr  
Medicinska informatika – Upravljanje pravima i kontrola pristupa – 2. dio: Formalni modeli (ISO 22600-2:2014; EN ISO 22600-2:2014)  
Health informatics – Privilege management and access control – Part 2: Formal models (ISO 22600-2:2014; EN ISO 22600-2:2014)
- HRN EN ISO 22600-3:2014 en pr  
Medicinska informatika – Upravljanje pravima i kontrola pristupa – 3. dio: Implementacije (ISO 22600-3:2014; EN ISO 22600-3:2014)  
Health informatics – Privilege management and access control – Part 3: Implementations (ISO 22600-3:2014; EN ISO 22600-3:2014)

## HZN/TO 218, *Drvo*

- HRN EN 73:2014 en pr  
Sredstva za zaštitu drva – Ubrzano starenje tretiranog drva prije ispitivanja biološkim agensima – Postupak starenja evaporacijom (EN 73:2014)  
Wood preservatives – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure (EN 73:2014)
- HRN EN 252:2014 en pr  
Metoda ispitivanja na otvorenom za određivanje zaštitne učinkovitosti sredstva za zaštitu drva u dodiru sa zemljom (EN 252:2014)  
Field test method for determining the relative protective effectiveness of a wood preservative in ground contact (EN 252:2014)
- HRN EN 330:2014 en pr  
Sredstva za zaštitu drva – Određivanje relativne zaštitne učinkovitosti sredstva za zaštitu drva za upotrebu ispod završne površinske obrade i izloženoga kada nije u dodiru sa zemljom – Test na otvorenom: metoda ispitivanja L spojeva (EN 330:2014)  
Wood preservatives – Determination of the relative protective effectiveness of a wood preservative for use under a coating and exposed out-of-ground contact – Field test: L-joint method (EN 330:2014)
- HRN EN 839:2014 en pr  
Sredstva za zaštitu drva – Određivanje učinkovitosti zaštite protiv razarača drva iz odjeljka basidiomycetes – Primjena površinskim tretmanom (EN 839:2014)  
Wood preservatives – Determination of the protective effectiveness against wood destroying basidiomycetes – Application by surface treatment (EN 839:2014)

## HZN/TO 221, *Geosintetici*

- HRS ISO/TS 13434:2014 en pr  
Geosintetici – Smjernice za procjenu trajnosti (ISO/TS 13434:2008)  
Geosynthetics – Guidelines for the assessment of durability (ISO/TS 13434:2008)

## HZN/TO 238, *Čvrsta biogoriva*

- HRI CEN/TR 15149-3:2014 en pr  
Čvrsta biogoriva – Određivanje granulometrijskog sastava – 3. dio: Metoda rotacijskog sita (CEN/TR 15149-3:2014)  
Solid biofuels – Determination of particle size distribution – Part 3: Rotary screen method (CEN/TR 15149-3:2014)

## HZN/TO 503, *Metalni materijali*

- HRN EN 10217-7:2014 en pr  
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 7. dio: Cijevi od nehrđajućih čelika (EN 10217-7:2014)  
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 7: Stainless steel tubes (EN 10217-7:2014)

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

- HRN EN 12186:2014 en pr  
Plinska infrastruktura – Plinske regulacijske stanice za transport i distribuciju – Funkcionalni zahtjevi (EN 12186:2014)  
Gas infrastructure – Gas pressure regulating stations for transmission and distribution – Functional requirements (EN 12186:2014)

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

- HRN ISO 6145-2:2014 en pr  
Analiza plina – Priprava plinskih smjesa za umjeravanje primjenom dinamičkih metoda – 2. dio: Klipne pumpe (ISO 6145-2:2014)  
Gas analysis – Preparation of calibration gas mixtures using dynamic methods – Part 2: Piston pumps (ISO 6145-2:2014)
- HRN EN ISO 16960:2014 en pr  
Prirodni plin – Određivanje sumpornih spojeva – Određivanje ukupnog sumpora metodom oksidacijske mikrokulometrije (ISO 16960:2014; EN ISO 16960:2014)  
Natural gas – Determination of sulfur compounds – Determination of total sulfur by oxidative microcoulometry method (ISO 16960:2014; EN ISO 16960:2014)

## HZN/TO 508, *Ambalaža i pakiranje*

- HRN ISO 9057:2003/Ispr.1:2014 en pr  
Stakleni spremnici – Grlo 28 mm, zatvaranje s osiguranjem za tekućine pod tlakom – Dimenzije – Tehnički ispravak 1 (ISO 9057:1991/Cor 1:2006)  
Glass containers – 28 mm tamper-evident finish for pressurized liquids – Dimensions – Technical Corrigendum 1 (ISO 9057:1991/Cor 1:2006)
- HRN EN 12377:2014 en pr  
Ambalaža – Savitljive tube – Ispitne metode za ispitivanje zrakonepropusnosti zatvarača (EN 12377:2014)  
Packaging – Flexible tubes – Test method for the air tightness of closures (EN 12377:2014)
- HRN EN 16565:2014 en pr  
Ambalaža – Savitljive tube – Metoda ispitivanja ispravnosti orijentacije preklopnog zatvarača (flip-top) (EN 16565:2014)  
Packaging – Flexible tubes – Test method to determine the orientation of the flip-top cap (EN 16565:2014)

HRN EN 16592:2014 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo  
29/25 (12,6) (EN 16592:2014)  
Packaging – Rigid plastic containers – PET finish  
29/25 (12,6) (EN 16592:2014)

HRN EN 16593:2014 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo  
BVS 30H60 (EN 16593:2014)  
Packaging – Rigid plastic containers – PET finish  
BVS 30H60 (EN 16593:2014)

HRN EN 16594:2014 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo  
26/22 (12,0) (EN 16594:2014)  
Packaging – Rigid plastic containers – PET finish  
26/22 (12,0) (EN 16594:2014)

HRN EN ISO 17351:2014 en pr  
Ambalaža – Pismo za slijepce na ambalaži za lijekove  
(ISO 17351:2013; EN ISO 17351:2014)  
Packaging – Braille on packaging for medicinal  
products (ISO 17351:2013; EN ISO 17351:2014)

HRN EN ISO 18613:2014 en pr  
Popravak plošnih drvenih paleta (ISO 18613:2014;  
EN ISO 18613:2014)  
Repair of flat wooden pallets (ISO 18613:2014;  
EN ISO 18613:2014)

### **HZN/TO 511, *Eksplozivi za civilnu uporabu***

HRN EN 16701:2014 en pr  
Energetski materijali za obranu – Sigurnost, ranjivost  
– Sklonost prema inicijaciji kinetičkom energijom  
(EN 16701:2014)  
Energetic materials for defence – Safety,  
vulnerability – Friability (EN 16701:2014)

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

HRN ISO 9276-2:2014 en pr  
Prikaz rezultata analize veličine čestica – 2. dio:  
Izračunavanja srednje veličine čestica/promjera i  
momenata na temelju razdiobe veličine čestica  
(ISO 9276-2:2014)  
Representation of results of particle size analysis –  
Part 2: Calculation of average particle  
sizes/diameters and moments from particle size  
distributions (ISO 9276-2:2014)

### **HZN/TO 519, *Adhezivi***

HRN EN 16556:2014 en pr  
Određivanje maksimalnog vremena sklapanja  
termoplastičnih adheziva za drvo za  
nekonstrukcijske primjene (EN 16556:2014)  
Determination of the maximum open time for  
thermoplastic wood adhesives for non-structural  
applications (EN 16556:2014)

### **HZN/TO 521, *Usluge održavanja***

HRN EN 15628:2014 en pr  
Održavanje – Osposobljavanje djelatnika održavanja  
(EN 15628:2014)  
Maintenance – Qualification of maintenance  
personnel (EN 15628:2014)

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

HRI CEN/TR 16394:2014 en pr  
Karakterizacija muljeva – Protokoli za pripremu  
sintetičkih suspenzija (CEN/TR 16394:2014)  
Characterization of sludges – Protocol for preparing  
synthetic suspensions (CEN/TR 16394:2014)

HRN EN 16424:2014 en pr  
Karakterizacija otpada – Metode provjere  
elementarnoga sastava prijenosnim rendgenskim  
fluorescentnim spektrometrima (EN 16424:2014)  
Characterization of waste – Screening methods  
for the element composition by portable X-ray  
fluorescence instruments (EN 16424:2014)

HRI CEN/TR 16788:2014 en pr  
Karakterizacija muljeva – Smjernice dobre prakse za  
toplinske procese (CEN/TR 16788:2014)  
Characterization of sludges – Guideline of good  
practice for thermal processes  
(CEN/TR 16788:2014)

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

HRN EN ISO 15007-1:2014 en pr  
Cestovna vozila – Mjerenje vizualnog ponašanja  
vozača u odnosu na transportne informacije i  
upravljačke sustave – 1. dio: Definicije i parametri  
(ISO 15007-1:2014; EN ISO 15007-1:2014)  
Road vehicles – Measurement of driver visual  
behaviour with respect to transport information and  
control systems – Part 1: Definitions and parameters  
(ISO 15007-1:2014; EN ISO 15007-1:2014)

HRS CEN/TS 16702-1:2014 en pr  
Elektronička naplata – Sigurnosno nadgledanje za  
autonomne sustave naplate – 1. dio: Provjeravanje  
sukladnosti (CEN/TS 16702-1:2014)  
Electronic fee collection – Secure monitoring for  
autonomous toll systems – Part 1: Compliance  
checking (CEN/TS 16702-1:2014)

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

HRN EN 12592:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
topljivosti (EN 12592:2014)  
Bitumen and bituminous binders – Determination of  
solubility (EN 12592:2014)

HRN EN 12594:2014 en pr  
Bitumen i bitumenska veziva – Priprema ispitnih  
uzoraka (EN 12594:2014)  
Bitumen and bituminous binders – Preparation of  
test samples (EN 12594:2014)

HRN EN 12595:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
kinematičke viskoznosti (EN 12595:2014)  
Bitumen and bituminous binders – Determination of  
kinematic viscosity (EN 12595:2014)

HRN EN 12596:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
dinamičke viskoznosti pomoću kapilarnih  
viskozimetara uz primjenu vakuuma  
(EN 12596:2014)  
Bitumen and bituminous binders – Determination of  
dynamic viscosity by vacuum capillary  
(EN 12596:2014)

HRN EN 12607-1:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
otpornosti na otvrdnjavanje djelovanjem topline i  
zraka – 1. dio: RTFOT metoda (EN 12607-1:2014)  
Bitumen and bituminous binders – Determination of  
the resistance to hardening under influence of heat  
and air – Part 1: RTFOT method (EN 12607-1:2014)

HRN EN 12607-2:2014 en pr  
Bitumen i bitumenska veziva – Određivanje  
otpornosti na otvrdnjavanje djelovanjem topline i  
zraka – 2. dio: TFOT metoda (EN 12607-2:2014)  
Bitumen and bituminous binders – Determination of  
the resistance to hardening under influence of heat  
and air – Part 2: TFOT method (EN 12607-2:2014)

HRN EN 12607-3:2014 en pr  
Bitumen i bitumenska veziva – Određivanje otpornosti na otvrdnjavanje djelovanjem topline i zraka – 3. dio: RFT metoda (EN 12607-3:2014)  
Bitumen and bituminous binders – Determination of the resistance to hardening under influence of heat and air – Part 3: RFT method (EN 12607-3:2014)

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

HRN EN 13146-1:2014 en pr  
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 1. dio: Određivanje otpora uzdužnomu pomicanju tračnice (EN 13146-1:2012+A1:2014)  
Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint (EN 13146-1:2012+A1:2014)

HRN EN 13146-4:2014 en pr  
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 4. dio: Utjecaj ponavljanja opterećenja (EN 13146-4:2012+A1:2014)  
Railway applications – Track – Test methods for fastening systems – Part 4: Effect of repeated loading (EN 13146-4:2012+A1:2014)

HRN EN 15380-5:2014 en pr  
Željeznički sustav – Sustav podjele željezničkih vozila – 5. dio: Struktura podjele sustava (EN 15380-5:2014)  
Railway applications – Classification system for railway vehicles – Part 5: System Breakdown Structure (SBS) (EN 15380-5:2014)

HRN EN 16272-6:2014 en pr  
Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 6. dio: Unutarnja svojstva – In situ vrijednosti izolacije od vanjske buke pod izravnim utjecajem zvučnog polja (EN 16272-6:2014)  
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 6: Intrinsic characteristics – In situ values of airborne sound insulation under direct sound field conditions (EN 16272-6:2014)

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

HRN ISO 4305:2014 en pr  
Mobilni granici – Određivanje stabilnosti (ISO 4305:2014)  
Mobile cranes – Determination of stability (ISO 4305:2014)

HRN ISO 4306-3:2003/A1:2014 en pr  
Granici – Rječnik – 3. dio: Toranjski granici (ISO 4306-3:2003/Amd 1:2011)  
Cranes – Vocabulary – Part 3: Tower cranes (ISO 4306-3:2003/Amd 1:2011)

HRN ISO 9374-3:2014 en pr  
Granici – Potrebni podaci u upitima, narudžbama, ponudama i isporuci – 3. dio: Toranjski granici (ISO 9374-3:2014)  
Cranes – Information to be provided for enquiries, orders, offers and supply – Part 3: Tower cranes (ISO 9374-3:2014)

HRN ISO 12482:2014 en pr  
Granici – Praćenje usklađenosti stvarnih uvjeta rada i projektne pogonske grupe granika (ISO 12482:2014)  
Cranes – Monitoring for crane design working period (ISO 12482:2014)

HRN ISO 16625:2014 en pr  
Granici i dizalice – Izbor čelične užadi, bubnjeva i užnica (ISO 16625:2013)  
Cranes and hoists – Selection of wire ropes, drums and sheaves (ISO 16625:2013)

HRN ISO 18893:2014 en pr  
Mobilne podizne platforme – Sigurnosna načela, pregled, održavanje i rukovanje (ISO 18893:2014)  
Mobile elevating work platforms – Safety principles, inspection, maintenance and operation (ISO 18893:2014)

### **HZN/TO 530, Čelična užad, lanci, dizalične kuke, trake, omče i pribor**

HRN EN ISO 3266:2011/A1:2014 en pr  
Kovani čelični okasti vijci razreda 4 za opće namjene podizanja (ISO 3266:2010/DAM 1:2014; EN ISO 3266:2010/prA1)  
Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010/DAM 1:2014; EN ISO 3266:2010/prA1)

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

HRN EN ISO 2440:2008/A2:2014 en pr  
Savitljivi i kruti pjenasti polimerni materijali – Ispitivanje ubrzanog starenja (ISO 2440:1997/Amd 2:2014; EN ISO 2440:1999/A2:2014)  
Flexible and rigid cellular polymeric materials – Accelerated ageing tests (ISO 2440:1997/Amd 2:2014; EN ISO 2440:1999/A2:2014)

HRN EN ISO 3167:2014 en pr  
Plastika – Višenamjenski ispitnici (ISO 3167:2014; EN ISO 3167:2014)  
Plastics – Multipurpose test specimens (ISO 3167:2014; EN ISO 3167:2014)

HRN EN ISO 4895:2014 en pr  
Plastika – Kapljevite epoksidne smole – Određivanje sklonosti kristaliziranju (ISO 4895:2014; EN ISO 4895:2014)  
Plastics – Liquid epoxy resins – Determination of tendency to crystallize (ISO 4895:2014; EN ISO 4895:2014)

HRN EN 15346:2014 en pr  
Plastika – Reciklirana plastika – Karakterizacija poli(vinil-kloridnih) (PVC) reciklata (EN 15346:2014)  
Plastics – Recycled plastics – Characterisation of poly(vinyl chloride) (PVC) recyclates (EN 15346:2014)

HRN EN 15348:2014 en pr  
Plastika – Reciklirana plastika – Karakterizacija poli(etilen-tereftalatnih) (PET) reciklata (EN 15348:2014)  
Plastics – Recycled plastics – Characterisation of poly(ethylene terephthalate) (PET) recyclates (EN 15348:2014)

HRN EN ISO 17855-1:2014 en pr  
Plastika – Polietilenski (PE) materijali za injekcijsko prešanje i ekstruziju – 1. dio: Sustav oznaka i osnove specifikacija (ISO 17855-1:2014; EN ISO 17855-1:2014)  
Plastics – Polyethylene (PE) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 17855-1:2014; EN ISO 17855-1:2014)



HRN EN ISO 19065-1:2014 en pr  
Plastika – Akrlonitril-stiren-akrilat (ASA), akrilonitril-  
(etilen-propilen-dien)-stiren (AEPDS) i akrilonitril-  
(klorirani polietilen)- stiren (ACS) materijali za  
injekcijsko prešanje i ekstrudiranje – 1. dio: Sustav  
označivanja i osnove specifikacija  
(ISO 19065-1:2014; EN ISO 19065-1:2014)  
Plastics – Acrylonitrile-styrene-acrylate (ASA),  
acrylonitrile-(ethylene-propylene-diene)-styrene  
(AEPDS) and acrylonitrile-(chlorinated polyethylene)  
-styrene (ACS) moulding and extrusion materials  
– Part 1: Designation system and basis for  
specifications (ISO 19065-1:2014;  
EN ISO 19065-1:2014)

HRN EN ISO 19066-1:2014 en pr  
Plastika – Metil metakrilat-akrlonitril-butadien-  
stiren (MABS) materijali za injekcijsko prešanje i  
ekstrudiranje – 1. dio: Sustav označivanja i osnove  
specifikacija (ISO 19066-1:2014;  
EN ISO 19066-1:2014)  
Plastics – Methyl methacrylate-acrylonitrile-  
butadiene-styrene (MABS) moulding and extrusion  
materials – Part 1: Designation system and basis for  
specifications (ISO 19066-1:2014;  
EN ISO 19066-1:2014)

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

HRN EN 13126-5:2014 en pr  
Građevni okovi – Okovi za prozore i prozorska vrata  
– Zahtjevi i metode ispitivanja – 5. dio: Naprave za  
ograničavanje otvaranja prozora i prozorskih vrata  
(EN 13126-5:2011+A1:2014)  
Building hardware – Hardware for windows and door  
height windows – Requirements and test methods –  
Part 5: Devices that restrict the opening of windows and  
door height windows (EN 13126-5:2011+A1:2014)

HRI CEN/TR 16676:2014 en pr  
Gubitak energije uzrokovan industrijskim vratima  
(CEN/TR 16676:2014)  
Energy losses by industrial door  
(CEN/TR 16676:2014)

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

HRN ISO 14694:2005/A1:2014 en pr  
Industrijski ventilatori – Značajke kvalitete  
uravnoteženja i razina vibracija  
(ISO 14694:2003/Amd 1:2010)  
Industrial fans – Specifications for balance quality  
and vibration levels (ISO 14694:2003/Amd 1:2010)

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

HRN EN 1997-1:2012/A1:2014 pr  
Eurokod 7: Geotehničko projektiranje – 1. dio: Opća  
pravila (EN 1997-1:2004/A1:2013)  
Eurocode 7: Geotechnical design – Part 1: General  
rules (EN 1997-1:2004/A1:2013)

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

HRN EN 14718:2014 en pr  
Utjecaj organskih materijala na vodu namijenjenu  
ljudskoj potrošnji – Određivanje utroška klora –  
Metoda ispitivanja (EN 14718:2014)  
Influence of organic materials on water intended for  
human consumption – Determination of the chlorine  
demand – Test method (EN 14718:2014)

HRN EN 15074:2014 en pr  
Kemikalije koje se upotrebljavaju u obradi bazenske  
vode – Ozon (EN 15074:2014)  
Chemicals used for treatment of swimming pool  
water – Ozone (EN 15074:2014)

HRN EN 16146:2014 en pr  
Sanitarne armature – Izvlačeća crijeva za tuš za  
sanitarne armature za vodoopskrbne sustave tipa 1 i  
tipa 2 – Opća tehnička specifikacija  
(EN 16146:2012+A1:2014)  
Sanitary tapware – Extractable shower hoses for  
sanitary tapware for supply systems type 1 and type  
2 – General technical specification  
(EN 16146:2012+A1:2014)

HRN EN 16421:2014 en pr  
Utjecaj materijala na vodu namijenjenu ljudskoj  
potrošnji – Povećanje mikrobnog rasta (EMG)  
(EN 16421:2014)  
Influence of materials on water for human  
consumption – Enhancement of microbial growth  
(EMG) (EN 16421:2014)

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

HRN EN 16397-1:2014 en pr  
Elastične spojnice – 1. dio: Zahtjevi izvedbe  
(EN 16397-1:2014)  
Flexible couplings – Part 1: Performance  
requirements (EN 16397-1:2014)

HRN EN 16397-2:2014 en pr  
Elastične spojnice – 2. dio: Značajke i ispitivanja za  
elastične spojnice, prilagodivače i gumene prstene  
povezane s metalnom oblogom (EN 16397-2:2014)  
Flexible couplings – Part 2: Characteristics and  
testing for metal banded flexible couplings, adaptors  
and bushes (EN 16397-2:2014)

HRN EN 16506:2014 en pr  
Sustavi za obnovu odvodnih kanala i cjevovoda  
– Oblaganje s unutarnjim slojem čvrsto usidrene  
plastike (RAPL) (EN 16506:2014)  
Systems for renovation of drains and sewers –  
Lining with a rigidly anchored plastics inner layer  
(RAPL) (EN 16506:2014)

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

HRN EN 12516-1:2014 en pr  
Industrijski zaporni uređaji – Projektna čvrstoća  
kućišta – 1. dio: Tablična metoda za kućišta zapornih  
uređaja od čelika (EN 12516-1:2014)  
Industrial valves – Shell design strength – Part 1:  
Tabulation method for steel valve shells  
(EN 12516-1:2014)

HRN EN 12516-2:2014 en pr  
Industrijski zaporni uređaji – Projektna čvrstoća  
kućišta – 2. dio: Metoda proračuna za kućišta  
zapornih uređaja od čelika (EN 12516-2:2014)  
Industrial valves – Shell design strength – Part 2:  
Calculation method for steel valve shells  
(EN 12516-2:2014)

HRN EN 12516-4:2014 en pr  
Industrijski zaporni uređaji – Projektna čvrstoća  
kućišta – 4. dio: Metoda proračuna kućišta zapornih  
uređaja izrađenih od metalnih materijala osim čelika  
(EN 12516-4:2014)  
Industrial valves – Shell design strength – Part 4:  
Calculation method for valve shells manufactured in  
metallic materials other than steel  
(EN 12516-4:2014)

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

HRN EN ISO 6938:2014 en pr  
Tekstil – Prirodna vlakna – Generički nazivi i definicije  
(ISO 6938:2012; EN ISO 6938:2014)  
Textiles – Natural fibres – Generic names and  
definitions (ISO 6938:2012; EN ISO 6938:2014)

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

- HRN EN 13445-1:2014 en pr  
Neložene tlačne posude – 1. dio: Općenito (EN 13445-1:2014)  
Unfired pressure vessels – Part 1: General (EN 13445-1:2014)
- HRN EN 13445-1:2014/A1:2014 en pr  
Neložene tlačne posude – 1. dio: Općenito (EN 13445-1:2014/A1:2014)  
Unfired pressure vessels – Part 1: General (EN 13445-1:2014/A1:2014)
- HRN EN 13445-2:2014 en pr  
Neložene tlačne posude – 2. dio: Materijali (EN 13445-2:2014)  
Unfired pressure vessels – Part 2: Materials (EN 13445-2:2014)
- HRN EN 13445-3:2014 en pr  
Neložene tlačne posude – 3. dio: Projektiranje (EN 13445-3:2014)  
Unfired pressure vessels – Part 3: Design (EN 13445-3:2014)
- HRN EN 13445-5:2014 en pr  
Neložene tlačne posude – 5. dio: Pregled i ispitivanje (EN 13445-5:2014)  
Unfired pressure vessels – Part 5: Inspection and testing (EN 13445-5:2014)

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

- HRN EN 1870-3:2014 en pr  
Sigurnost strojeva za obradu drva – Kružne pile – 3. dio: Pile za poprečno prepiljivanje i dvonamjenske pile za poprečno rezanje/stolovi kružnih pila (EN 1870-3:2014)  
Safety of woodworking machines – Circular sawing machines – Part 3: Down cutting cross-cut saws and dual purpose down cutting cross-cut saws/circular saw benches (EN 1870-3:2014)

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

- HRN EN 453:2014 en pr  
Strojevi za preradu hrane – Miješalice za tijesto – Sigurnosni i higijenski zahtjevi (EN 453:2014)  
Food processing machinery – Dough mixers – Safety and hygiene requirements (EN 453:2014)

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

- HRN EN ISO 12228-1:2014 en pr  
Određivanje količine pojedinačnih i ukupnih sterola – Metoda plinske kromatografije – 1. dio: Životinjske i biljne masti i ulja (ISO 12228-1:2014; EN ISO 12228-1:2014)  
Determination of individual and total sterols contents – Gas chromatographic method – Part 1: Animal and vegetable fats and oils (ISO 12228-1:2014; EN ISO 12228-1:2014)
- HRN EN ISO 12228-2:2014 en pr  
Određivanje količine pojedinačnih i ukupnih sterola – Metoda plinske kromatografije – 2. dio: Maslinova ulja i ulja od komine masline (ISO 12228:2014; EN ISO 12228-2:2014)  
Determination of individual and total sterols contents – Gas chromatographic method – Part 2: Olive and olive pomace oils (ISO 12228:2014; EN ISO 12228-2:2014)

## **HZN/TO 566, *Mlijeko i mliječni proizvodi***

- HRN EN ISO 16297:2014 en pr  
Mlijeko – Broj bakterija – Protokol za procjenu alternativnih metoda (ISO 16297:2013; EN ISO 16297:2014)  
Milk – Bacterial count – Protocol for the evaluation of alternative methods (ISO 16297:2013; EN ISO 16297:2014)

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

- HRN EN 13805:2014 en pr  
Hrana – Određivanje elemenata i njihovih kemijskih vrsta – Razgradnja pod tlakom (EN 13805:2014)  
Foodstuffs – Determination of trace elements – Pressure digestion (EN 13805:2014)
- HRS CEN/TS 16621:2014 en pr  
Analiza hrane – Određivanje benzo[a]pirena, benz[a]antracena, krizena i benzo[b]fluorantena u hrani tekućinskom kromatografijom visoke djelotvornosti s fluorescentnom detekcijom (CEN/TS 16621:2014)  
Food analysis – Determination of benzo[a]pyrene, benz[a]anthracene, chrysene and benzo[b]fluoranthene in foodstuffs by high performance liquid chromatography with fluorescence detection (HPLC-FD) (CEN/TS 16621:2014)
- HRI CEN/TR 16699:2014 en pr  
Hrana – Određivanje zaostataka pesticida pomoću GC-MS/MS – Tandemska spektrometrija masa (CEN/TR 16699:2014)  
Foodstuffs – Determination of pesticide residues by GC-MS/MS – Tandem mass spectrometric parameters (CEN/TR 16699:2014)
- HRS CEN/TS 16707:2014 en pr  
Hrana – Analitičke metode za dokazivanje genetički modificiranih organizama i od njih dobivenih proizvoda – Lančana reakcija polimerazom (PCR) na osnovi orijentacijske metode (CEN/TS 16707:2014)  
Foodstuffs – Methods of analysis for the detection of genetically modified organisms and derived products – Polymerase chain reaction (PCR) based screening strategies (CEN/TS 16707:2014)
- HRS CEN/TS 16731:2014 en pr  
Hrana – Određivanje hidridnih reaktivnih spojeva arsena u riži primjenom atomske apsorpcijske spektrometrije (hidridne-AAS) nakon ekstrakcije kiselinom (CEN/TS 16731:2014)  
Foodstuffs – Determination of hydride-reactive arsenic compounds in rice by atomic absorption spectrometry (Hydride-AAS) following acid extraction (CEN/TS 16731:2014)

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

- HRN EN 13451-5:2014 en pr  
Oprema za bazene – 5. dio: Dodatni posebni sigurnosni zahtjevi i metode ispitivanja pružnih i pregradnih užadi (EN 13451-5:2014)  
Swimming pool equipment – Part 5: Additional specific safety requirements and test methods for lane lines and dividing line (EN 13451-5:2014)

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

- HRN EN 50238:2007/Ispr.1:2014 en pr  
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka (EN 50238:2003/AC:2010)  
Railway applications – Compatibility between rolling stock and train detection systems (EN 50238:2003/AC:2010)

HRN EN 50367:2008/Ispr.2:2014 en pr  
Željeznički sustav – Sustavi oduzimača struje – Tehnički uvjeti za međusobno djelovanje pantografa i kontaktnog voda (omogućavanje slobodnog pristupa) (EN 50367:2006/AC:2010)  
Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access) (EN 50367:2006/AC:2010)

HRN EN 50388:2007/Ispr.1:2014 en pr  
Željeznički sustav – Opskrba električnom energijom i željeznička vozila – Tehnički kriteriji za koordinaciju između napajanja (podstanica) i željezničkih vozila radi postizanja interoperabilnosti (EN 50388:2005/AC:2010)  
Railway applications – Power supply and rolling stock – Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability (EN 50388:2005/AC:2010)

HRS CLC/TS 50467:2008/Ispr.1:2014 en pr  
Željeznički sustav – Željeznička vozila – Električni konektori, zahtjevi i načini ispitivanja (CLC/TS 50467:2008/AC:2008)  
Railway applications – Rolling stock – Electrical connectors; requirements and test methods (CLC/TS 50467:2008/AC:2008)

### **HZN/TO E14, Energetski transformatori**

HRN EN 50216-5:2008/Ispr.1:2014 en pr  
Oprema za energetske transformatore i prigušnice - 5. dio: Pokazivači razine, pritiska i protoka tekućine, odušnici i sušionici zraka (EN 50216-5:2002/A2:2005/AC:2006)  
Power transformer and reactor fittings – Part 5: Liquid level, pressure and flow indicators, pressure relief devices and dehydrating breathers (EN 50216-5:2002/A2:2005/AC:2006)

### **HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali**

HRN EN 61061-2:2005/Ispr.1:2014 en pr  
Specifikacija za neimpregnirano ugušćeno laminirano drvo za elektrotehničke svrhe – 2. dio: Metode ispitivanja (EN 61061-2:2001/AC:2002)  
Specification for non-impregnated, densified laminated wood for electrical purposes – Part 2: Methods of test (EN 61061-2:2001/AC:2002)

### **HZN/TO E17, Sklopni i upravljački uređaji**

HRN EN 50187:2008/Ispr.1:2014 en pr  
Plinom punjeni odjeljci za sklopne aparature izmjenične struje za nazivne napone iznad 1 kV do i uključivo 52 kV (EN 50187:1996/AC:1996)  
Gas-filled compartments for a.c. switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (EN 50187:1996/AC:1996)

HRN EN 60947-5-1:2008/Ispr.2:2014 en pr  
Niskonaponska sklopna aparatura – Dio 5-1: Aparati za upravljačke strujne krugove i sklopni elementi – Elektromehanički aparati za upravljačke strujne krugove (EN 60947-5-1:2004/AC:2004)  
Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (EN 60947-5-1:2004/AC:2004)

HRN EN 62271-102:2005/Ispr.2:2014 en pr  
Visokonaponska sklopna aparatura – 102. dio: Visokonaponski rastavljači i zemljospojnici izmjenične struje (EN 62271-102:2002/AC:2014)  
High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches (EN 62271-102:2002/AC:2014)

### **HZN/TO E20, Električni kabeli**

HRN EN 50575:2014 en pr  
Energetski, upravljački i komunikacijski kabeli – Kabeli za opću uporabu pri gradnji koji podliježu zahtjevima zaštite od požara (EN 50575:2014)  
Power, control and communication cables – Cables for general applications in construction works subject to reaction to fire requirements (EN 50575:2014)

HRS CLC/TS 50576:2014 en pr  
Električni kabeli – Proširenje primjene rezultata ispitivanja (CLC/TS 50576:2014)  
Electric cables – Extended application of test results (CLC/TS 50576:2014)

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

HRN EN 60309-1:2002/Ispr.1:2014 en pr  
Utični pribor za industrijske svrhe – 1. dio: Opći zahtjevi (EN 60309-1:1999/A1:2007/AC:2014)  
Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements (EN 60309-1:1999/A1:2007/AC:2014)

HRN EN 62196-2:2012/A12:2014 en pr  
Utikači, utičnice, spojevi i spojnice na vozilima – Kontaktno punjenje električnih vozila – 2. dio: Zahtjevi za usklađenost dimenzija i zamjenjivost za pribor sa šiljcima i kontaktnim cjevčicama za izmjeničnu struju (EN 62196-2:2012/A12:2014)  
Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories (EN 62196-2:2012/A12:2014)

HRN EN 62196-2:2012/A12:2014/Ispr.1:2014 en pr  
Utikači, utičnice, spojevi i spojnice na vozilima – Kontaktno punjenje električnih vozila – 2. dio: Zahtjevi za usklađenost dimenzija i zamjenjivost za pribor sa šiljcima i kontaktnim cjevčicama za izmjeničnu struju (EN 62196-2:2012/A12:2014/AC:2014)  
Plugs, socket-outlets, vehicle connectors and vehicle inlets – Conductive charging of electric vehicles – Part 2: Dimensional compatibility and interchangeability requirements for a.c. pin and contact-tube accessories (EN 62196-2:2012/A12:2014/AC:2014)

### **HZN/TO E31, Eksplozivne atmosfere**

HRN EN 16447:2014 en pr  
Zaklopni ventili za sprječavanje širenja eksplozije (EN 16447:2014)  
Explosion isolation flap valves (EN 16447:2014)

HRN EN 60079-1:2014 en pr  
Eksplozivne atmosfere – 1. dio: Vrsta zaštite opreme oklapanje "d" (IEC 60079-1:2014; EN 60079-1:2014)  
Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures "d" (IEC 60079-1:2014; EN 60079-1:2014)

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

HRN EN 60598-2-18:2008/Ispr.1:2014 en pr  
Svjetiljke – 2. dio: Posebni zahtjevi – 18. odjeljak: Svjetiljke za bazene za plivanje i slične primjene (EN 60598-2-18:1994/AC:1996)  
Luminaires – Part 2: Particular requirements – Section 18: Luminaires for swimming pools and similar applications (EN 60598-2-18:1994/AC:1996)

- HRN EN 60927:2009/Ispr.1:2014 en pr  
Pribor za žarulje – Propaljivači (osim tinjavih startera) – Izvedbeni zahtjevi (EN 60927:2007/AC:2008)  
Auxiliaries for lamps – Starting devices (other than glow starters) – Performance requirements (EN 60927:2007/AC:2008)
- HRN EN 61347-2-1:2008/Ispr.2:2014 en pr  
Predspojne naprave – Dio 2-1: Posebni zahtjevi za propaljivače (osim tinjavih startera) (EN 61347-2-1:2001/AC:2003)  
Lamp controlgear – Part 2-1: Particular requirements for starting devices (other than glow starters) (EN 61347-2-1:2001/AC:2003)
- HRN EN 61347-2-1:2008/Ispr.3:2014 en pr  
Predspojne naprave – Dio 2-1: Posebni zahtjevi za propaljivače (osim tinjavih startera) (EN 61347-2-1:2001/AC:2010)  
Lamp controlgear – Part 2-1: Particular requirements for starting devices (other than glow starters) (EN 61347-2-1:2001/AC:2010)

### **HZN/TO E36, Izolatori**

- HRS IEC/TS 60815-3:2014 en pr  
Izbor i dimenzioniranje visokonaponskih izolatora namijenjenih uporabi u uvjetima onečišćenja – 3. dio: Polimerni izolatori za izmjenične sustave (IEC/TS 60815-3:2008)  
Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 3: Polymer insulators for a.c. systems (IEC/TS 60815-3:2008)

### **HZN/TO E37, Odvodnici prenapona**

- HRN EN 60099-8:2014 en pr  
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 60099-8:2011; EN 60099-8:2011)  
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 60099-8:2011; EN 60099-8:2011)
- HRN EN 61643-311:2014 en pr  
Komponente prenaponskih zaštitnih naprava za niski napon – 311. dio: Izvedbeni zahtjevi i ispitni krugovi i metode za cijevi s izbojem u plinu (GDT) (IEC 61643-311:2013; EN 61643-311:2013)  
Components for low-voltage surge protective devices – Part 311: Performance requirements and test circuits for gas discharge tubes (GDT) (IEC 61643-311:2013; EN 61643-311:2013)
- HRN EN 61643-312:2014 en pr  
Komponente prenaponskih zaštitnih naprava za niski napon – 312. dio: Izbor i primjena načela za cijevi s izbojem u plinu (IEC 61643-312:2013; EN 61643-312:2013)  
Components for low-voltage surge protective devices – Part 312: Selection and application principles for gas discharge tubes (IEC 61643-312:2013; EN 61643-312:2013)

### **HZN/TO E45, Nuklearna instrumentacija**

- HRN EN 61839:2014 en pr  
Nuklearna elektrana – Projektiranje upravljačke sobe – Funkcionalna analiza i dodjela (IEC 61839:2000; EN 61839:2014)  
Nuclear power plants – Design of control rooms – Functional analysis and assignment (IEC 61839:2000; EN 61839:2014)

- HRN EN 62566:2014 en pr  
Nuklearne elektrane – Instrumentacija i kontrola važna za sigurnost – Razvoj HDL programski integriranih krugova za sustave koji obavljaju funkcije kategorije A (IEC 62566:2012; EN 62566:2014)  
Nuclear power plants – Instrumentation and control important to safety – Development of HDL-programmed integrated circuits for systems performing category A functions (IEC 62566:2012; EN 62566:2014)

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

- HRN EN 60704-2-10:2014 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-10: Posebni zahtjevi za električne štednjake, pećnice, roštilje, mikrovalne pećnice kao i pojedine kombinacije navedenih aparata (IEC 60704-2-10:2011; EN 60704-2-10:2011)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-10: Particular requirements for electric cooking ranges, ovens, grills, microwave ovens and any combination of these (IEC 60704-2-10:2011; EN 60704-2-10:2011)
- HRN EN 60704-2-13:2014 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-13: Posebni zahtjevi za nape štednjaka (IEC 60704-2-13:2011; EN 60704-2-13:2011)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-13: Particular requirements for range hoods (IEC 60704-2-13:2011; EN 60704-2-13:2011)
- HRN EN 61591:2008/A2:2014 en pr  
Kućanske nape štednjaka i drugi uređaji za izvlačenje plinova izgaranja – Ispitne metode za mjerenje radnih značajka (IEC 61591:1997/am2:2010; EN 61591:1997/A2:2011)  
Household range hoods and other cooking fume extractors – Methods for measuring performance (IEC 61591:1997/am2:2010; EN 61591:1997/A2:2011)
- HRN EN 62929:2014 en pr  
Cleaning robots for household use – Dry cleaning: Methods of measuring performance (IEC 62929:2014; EN 62929:2014)

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

- HRN EN 60335-2-58:2008/Ispr.1:2014 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-58: Posebni zahtjevi za ugostiteljske električne perilice posuđa (EN 60335-2-58:2005/AC:2007)  
Household and similar electrical appliances – Safety – Part 2-58: Particular requirements for commercial electric dishwashing machines (EN 60335-2-58:2005/AC:2007)

### **HZN/TO E62, Električna oprema u medicinskoj praksi**

- HRN EN 60601-2-27:2014 en pr  
Medicinski električni uređaji – Dio 2-27: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke elektrokardiografskih uređaja za nadzor (IEC 60601-2-27:2011; EN 60601-2-27:2014)



Medical electrical equipment – Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment (IEC 60601-2-27:2011; EN 60601-2-27:2014)

HRN EN 60601-2-33:2011/Ispr.1:2014 en pr  
Medicinski električni uređaji – Dio 2-33: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za medicinsku dijagnostiku s pomoću magnetske rezonancije (EN 60601-2-33:2010/AC:2010)  
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (EN 60601-2-33:2010/AC:2010)

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

HRN HD 60364-5-551:2011/Ispr.1:2014 en pr  
Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradnja električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori (HD 60364-5-551:2010/AC:2010)  
Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (HD 60364-5-551:2010/AC:2010)

HRN HD 60364-7-704:2007/Ispr.1:2014 en pr  
Niskonaponske električne instalacije – Dio 7-704: Zahtjevi za posebne instalacije ili prostore – Instalacije gradilišta i rušilišta (HD 60364-7-704:2007/AC:2014)  
Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (HD 60364-7-704:2007/AC:2014)

HRN HD 60364-7-721:2010/Ispr.1:2014 en pr  
Niskonaponske električne instalacije – Dio 7-721: Zahtjevi za posebne instalacije ili prostore – Električne instalacije u stambenim autoprikolicama i motornim stambenim autoprikolicama (HD 60364-7-721:2009/AC:2010)  
Low-voltage electrical installations – Part 7-721: Requirements for special installations or locations – Electrical installations in caravans and motor caravans (HD 60364-7-721:2009/AC:2010)

### **HZN/TO E70, Stupnjevi zaštite kućištem**

HRN EN 50102:2000/Ispr.2:2014 en pr  
Stupnjevi zaštite za električnu opremu osigurani kućištima od vanjskih mehaničkih udara (IK Code) (EN 50102:1995/A1:1998/AC:2002)  
Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) (EN 50102:1995/A1:1998/AC:2002)

### **HZN/TO E78, Rad pod naponom**

HRN EN 61057:2008/Ispr.1:2014 en pr  
Nadzemne platforme s izolacijskim umetkom za rad pod naponom iznad izmjeničnog napona 1 kV (EN 61057:1993/AC:2005)  
Aerial devices with insulating boom used for live working exceeding 1 kV a.c. (EN 61057:1993/AC:2005)

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

HRN EN 62676-1-1:2014/Ispr.2:2014 en pr  
Video nadzorni sustavi za uporabu u primjenama zaštite – Dio 1-1: Zahtjevi za sustav – Općenito (EN 62676-1-1:2014/AC:2014)  
Video surveillance systems for use in security applications – Part 1-1: System requirements – General (EN 62676-1-1:2014/AC:2014)

### **HZN/TO E88, Vjetroagregati**

HRN EN 61400-22:2014 en pr  
Wind turbines – Part 22: Conformity testing and certification (IEC 61400-22:2010; EN 61400-22:2011)

HRN EN 61400-25-6:2014 en pr  
Wind turbines – Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring (IEC 61400-25-6:2010; EN 61400-25-6:2011)

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

HRI CLC/TR 50083-2-2:2014 en pr  
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – Dio 2-2: Primjeri sučelja za prijam distribucijskog signala digitalne televizije (DVB-T) u prisutnosti signala LTE (Long Term Evolution) bazne stanice (CLC/TR 50083-2-2:2014)  
Cable networks for television signals, sound signals and interactive services – Part 2-2: Interference issues for DVB-T reception in the presence of LTE base station signals (CLC/TR 50083-2-2:2014)

HRS CLC/TS 50083-3-3:2014 en pr  
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – Dio 3-3: Aktivna širokopoljaska oprema za kabelske mreže - Metode mjerenja najviše radne izlazne razine u povratnom smjeru (CLC/TS 50083-3-3:2014)  
Cable networks for television signals; sound signals and interactive services – Part 3-3: Active wideband equipment for cable networks – Methods of measurement of the maximum operating output level in the return path (CLC/TS 50083-3-3:2014)

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

HRN EN 55016-1-1:2011/A2:2014 en pr  
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-1: Uređaji za mjerenje radiosmetnja i otpornosti – Mjerni uređaji (EN 55016-1-1:2010/A2:2014)  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus (EN 55016-1-1:2010/A2:2014)

HRN EN 55016-1-2:2014 en pr  
Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 1-2: Uređaji za mjerenje radiosmetnja i otpornosti – Vezni uređaji za mjerenja emisije vođenih smetnji (CISPR 16-1-2:2014; EN 55016-1-2:2014)  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Coupling devices for conducted disturbance measurements, (CISPR 16-1-2:2014; EN 55016-1-2:2014)



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

### **HZN/TO E502, *Elektrotehnički aspekti telekomunikacijske opreme***

HRN EN 50098-1:2008/Ispr.1:2014 en pr  
Kabliranje korisničkih prostora za informacijsku  
tehnologiju – 1. dio: ISDN (Integrated Services  
Digital Network) osnovni pristup (  
EN 50098-1:1998/A1:2002/AC:2003)  
Customer premises cabling for Information  
Technology – Part 1: ISDN basic access  
(EN 50098-1:1998/A1:2002/AC:2003)

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

HRN EN 301 908-18 V7.1.2:2014 en pr  
Celularne mreže IMT – Harmonizirana europska  
norma koja obuhvaća bitne zahtjeve iz članka 3.2  
direktive R&TTE – 18. dio: E-UTRA, UTRA i  
GSM/EDGE bazna postaja (BS) multistandardnog  
radija (MSR) (EN 301 908-18 V7.1.2:2014)  
IMT cellular networks – Harmonized EN covering the  
essential requirements of article 3.2 of the R&TTE  
Directive – Part 18: E-UTRA – UTRA and  
GSM/EDGE Multi-Standard Radio (MSR) Base  
Station (BS) (EN 301 908-18 V7.1.2:2014)

HRN EN 302 065-1 V1.3.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar  
(ERM) – Uređaji kratkoga dometa (SRD) koji  
upotrebljavaju ultra širokopojasnu tehnologiju (UWB)  
– Harmonizirana europska norma koja obuhvaća  
bitne zahtjeve iz članka 3.2 direktive R&TTE – 1. dio:  
Zahtjevi za generičke ultra širokopojasne primjene  
(EN 302 065-1 V1.3.1:2014)  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Short Range Devices (SRD) using  
Ultra Wide Band technology (UWB) – Harmonized  
EN covering the essential requirements of article 3.2  
of the R&TTE Directive – Part 1: Requirements for  
Generic UWB applications  
(EN 302 065-1 V1.3.1:2014)

HRN EN 302 065-2 V1.1.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar  
(ERM) – Uređaji kratkoga dometa (SRD) koji  
upotrebljavaju ultra širokopojasnu tehnologiju  
(UWB); Harmonizirana europska norma koja  
obuhvaća bitne zahtjeve iz članka 3.2 direktive  
R&TTE – 2. dio: Zahtjevi za praćenje lokacije  
primjenom ultra širokopojasne (UWB) tehnologije  
(EN 302 065-2 V1.1.1:2014)  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Short Range Devices (SRD) using  
Ultra Wide Band technology (UWB) – Harmonized  
EN covering the essential requirements of article 3.2  
of the R&TTE Directive – Part 2: Requirements for  
UWB location tracking (EN 302 065-2 V1.1.1:2014)

HRN EN 302 065-3 V1.1.1:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar  
(ERM) – Uređaji kratkoga dometa (SRD) koji  
upotrebljavaju ultra širokopojasnu tehnologiju (UWB)  
– Harmonizirana europska norma koja obuhvaća  
bitne zahtjeve iz članka 3.2 direktive R&TTE –  
3. dio: Zahtjevi za ultra širokopojasne (UWB) uređaje  
za cestovna i željeznička vozila  
(EN 302 065-3 V1.1.1:2014)

Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Short Range Devices (SRD) using  
Ultra Wide Band technology (UWB); Harmonized  
EN covering the essential requirements of article 3.2  
of the R&TTE Directive – Part 3: Requirements for  
UWB devices for road and rail vehicles  
(EN 302 065-3 V1.1.1:2014)

HRN EN 302 099 V2.1.1:2014 en pr  
Ekoinženjering (EE) – Napajanje uređaja u  
pristupnoj mreži (EN 302 099 V2.1.1:2014)  
Environmental Engineering (EE) – Powering of  
equipment in access network  
(EN 302 099 V2.1.1:2014)

HRN EN 302 636-1 V1.2.1:2014 en pr  
Inteligentni transportni sustavi (ITS) – Komunikacije  
između vozila – Geomrežavanje – 1. dio: Zahtjevi  
(EN 302 636-1 V1.2.1:2014)  
Intelligent Transport Systems (ITS) – Vehicular  
Communications – GeoNetworking – Part 1:  
Requirements (EN 302 636-1 V1.2.1:2014)

HRN EN 302 885-2 V1.2.2:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar  
(ERM) – Prijenosna radiotelefonska oprema vrlo  
visoke frekvencije (VHF) za pomorsku pokretnu  
službu koja radi u VHF pojasima sa integriranim  
dlanovnikom razreda D DSC – 2. dio: Harmonizirana  
europska EN norma obuhvaća bitne zahtjeve iz  
članka 3.2 direktive R&TTE  
(EN 302 885-2 V1.2.2:2014)  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Portable Very High Frequency  
(VHF) radiotelephone equipment for the maritime  
mobile service operating in the VHF bands with  
integrated handheld class D DSC – Part 2:  
Harmonized EN covering the essential requirements  
of article 3.2 of the R&TTE Directive  
(EN 302 885-2 V1.2.2:2014)

HRN EN 302 885-3 V1.2.2:2014 en pr  
Elektromagnetska kompatibilnost i radijski spektar  
(ERM) – Prijenosna radiotelefonska oprema vrlo  
visoke frekvencije (VHF) za pomorsku pokretnu  
službu koja radi u VHF pojasima sa integriranim  
dlanovnikom razreda D DSC – 3. dio: Harmonizirana  
europska EN norma obuhvaća bitne zahtjeve iz  
članka 3.3(e) direktive R&TTE  
(EN 302 885-3 V1.2.2:2014)  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Portable Very High Frequency  
(VHF) radiotelephone equipment for the maritime  
mobile service operating in the VHF bands with  
integrated handheld class D DSC – Part 3:  
Harmonized EN covering the essential requirements  
of article 3.3(e) of the R&TTE Directive  
(EN 302 885-3 V1.2.2:2014)

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

HRN ISO/IEC 9798-2:2013/Ispr.1:2014 en pr  
Informacijska tehnologija – Sigurnosne tehnike  
– Autentifikacija subjekta – 2. dio: Mehanizmi  
korištenja simetričnih algoritama za šifriranje  
(ISO/IEC 9798-2:2008/Cor 3:2013)  
Information technology – Security techniques –  
Entity authentication – Part 2: Mechanisms using  
symmetric encipherment algorithms  
(ISO/IEC 9798-2:2008/Cor 3:2013)

HRN ISO/IEC 10118-4:2008/Ispr.1:2014 en pr  
Informacijska tehnologija – Sigurnosne tehnike  
– Hash-funkcije – 4. dio: Hash-funkcije koje rabe  
modularnu aritmetiku  
(ISO/IEC 10118-4:1998/Cor 1:2014)  
Information technology – Security techniques –  
Hash-functions – Part 4: Hash-functions using  
modular arithmetic  
(ISO/IEC 10118-4:1998/Cor 1:2014)

- HRN ISO/IEC 10179:2008/Ispr.1:2014 en pr  
Informacijska tehnologija – Jezici za obradu – Jezik značenja i opisa stila dokumenta (DSSSL) (ISO/IEC 10179:1996/Cor 1:2001)  
Information technology – Processing languages – Document Style Semantics and Specification Language (DSSSL) (ISO/IEC 10179:1996/Cor 1:2001)
- HRN ISO/IEC 10180:2008/Ispr.1:2014 en pr  
Informacijska tehnologija – Jezici za obradu – Standardni jezik za opis stranice (SPDL) (ISO/IEC 10180:1995/Cor 1:2001)  
Information technology – Processing languages – Standard Page Description Language (SPDL) (ISO/IEC 10180:1995/Cor 1:2001)
- HRN ISO/IEC 15946-1:2013/Ispr.1:2014 en pr  
Informacijska tehnologija – Sigurnosne tehnike – Kriptografske tehnike koje se zasnivaju na eliptičnim krivuljama – 1. dio: Općenito (ISO/IEC 15946-1:2008/Cor 2:2014)  
Information technology – Security techniques – Cryptographic techniques based on elliptic curves – Part 1: General (ISO/IEC 15946-1:2008/Cor 2:2014)
- HRN ISO/IEC 26300:2008/Ispr.1:2014 en pr  
Informacijska tehnologija – Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 1:2010)  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 1:2010)
- HRN ISO/IEC 26300:2008/Ispr.2:2014 en pr  
Informacijska tehnologija – Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 2:2011)  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 2:2011)
- HRN ISO/IEC 26300:2008/Ispr.3:2014 en pr  
Informacijska tehnologija – Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 3:2014)  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 (ISO/IEC 26300:2006/Cor 3:2014)
- HRN ISO/IEC 29150:2013/Ispr.1:2014 en pr  
Informacijska tehnologija – Sigurnosne tehnike – Digitalno potpisivanje i enkriptiranje podataka (ISO/IEC 29150:2011/Cor 1:2014)  
Information technology – Security techniques – Signcryption (ISO/IEC 29150:2011/Cor 1:2014)
- HRN EN 419212-1:2014 en pr  
Aplikacijsko sučelje za pametne kartice koje se upotrebljavaju kao uređaji za kreiranje sigurnog potpisa – 1. dio: Osnovne usluge (EN 419212-1:2014)  
Application Interface for smart cards used as Secure Signature Creation Devices – Part 1: Basic services (EN 419212-1:2014)
- HRN EN 419212-2:2014 en pr  
Aplikacijsko sučelje za pametne kartice koje se upotrebljavaju kao uređaji za kreiranje sigurnog potpisa – 2. dio: Dodatne usluge (EN 419212-2:2014)  
Application Interface for smart cards used as Secure Signature Creation Devices – Part 2: Additional services (EN 419212-2:2014)

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

- HRN EN 2032-001:2014 en pr  
Nizovi o zrakoplovstvu – Metalni materijali – 001. dio: Konvencionalno označavanje (EN 2032-001:2014)  
Aerospace series – Metallic materials – Part 001: Conventional designation (EN 2032-001:2014)
- HRN EN 2226:2014 en pr  
Nizovi o zrakoplovstvu – Čelik X105CrMo17 (1.4125) – Kaljen i termički obrađen – Otkivci, kovani ručno i u kalupu – De ≤ 150 mm (EN 2226:2014)  
Aerospace series – Steel X105CrMo17 (1.4125) – Hardened and tempered – Hand and die forgings – De ≤ 150 mm (EN 2226:2014)
- HRN EN 2512:2014 en pr  
Nizovi o zrakoplovstvu – Legura aluminija AL-P7175-T7351 – Ploča – 6mm < a ≤ 100 mm (EN 2512:2014)  
Aerospace series – Aluminium alloy AL-P7175-T7351 – Plate – 6mm < a ≤ 100 mm (EN 2512:2014)
- HRN EN 3268:2014 en pr  
Nizovi o zrakoplovstvu – Cijevni priključak 8°30' od legure titana – Utikači pod tlakom (EN 3268:2014)  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Pressure plugs (EN 3268:2014)
- HRN EN 3631:2014 en pr  
Nizovi o zrakoplovstvu – Brtve za fluide, s prirubnicom, s koljenom od 90° – Brtvljenje s O-prstenom za cijevi debljine stijenke 0,8 mm (EN 3631:2014)  
Aerospace series – Fluid fittings, flanged, 90° elbowed – Sealing by O-ring for 0,8 mm thick tubes (EN 3631:2014)
- HRN EN 3635:2014 en pr  
Nizovi o zrakoplovstvu – Zavarivanje rubova – Geometrijska konfiguracija (EN 3635:2014)  
Aerospace series – Weld lip – Geometrical configuration (EN 3635:2014)
- HRN EN 3773-001:2014 en pr  
Nizovi o zrakoplovstvu – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – 001. dio: Tehnička specifikacija (EN 3773-001:2014)  
Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification (EN 3773-001:2014)
- HRN EN 3774-001:2014 en pr  
Nizovi o zrakoplovstvu – Automatski osigurači, trolpolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A – 001. dio: Tehnička specifikacija (EN 3774-001:2014)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification (EN 3774-001:2014)
- HRN EN 4008-018:2014 en pr  
Nizovi o zrakoplovstvu – Elementi električne i optičke veze – Alati za krimpanje i pripadajuća oprema – 018. dio: Pozicioner alata za krimpanje M22520/2-01 – Norma za proizvod (EN 4008-018:2014)  
Aerospace series – Elements of electrical and optical connection – Crimping tool and associated accessories – Part 018: Positioner for crimping tool M22520/2-01 – Product standard (EN 4008-018:2014)

- HRN EN 4056-002:2014 en pr  
Nizovi o zrakoplovstvu – Obujmice za kableske snopove – 002. dio: Indeks norma za proizvod (EN 4056-002:2014)  
Aerospace series – Cable ties for harnesses – Part 002: Index of product standards (EN 4056-002:2014)
- HRN EN 4056-006:2014 en pr  
Nizovi o zrakoplovstvu – Obujmice za kableske snopove – 006. dio: Kableske vezice od PEEK-a – Za radne temperature -55 °C do 240 °C – Norma za proizvod (EN 4056-006:2014)  
Aerospace series – Cable ties for harnesses – Part 006: Peek cable ties – For operating temperatures -55 °C to 240 °C – Product standard (EN 4056-006:2014)
- HRN EN 4538-2:2014 en pr  
Nizovi o zrakoplovstvu – Kuglasti klizni ležajevi, čelik otporan na koroziju, sa samopodmazujućim prstenom, povišenog opterećenja pri niskim oscilacijama – Uske serije – Dimenzije i opterećenja – 2. dio: Nizovi u inčima (EN 4538-2:2014)  
Aerospace series – Bearings, spherical plain, in corrosion resisting steel with self-lubricating liner elevated load under low oscillations – Narrow series – Dimensions and loads – Part 2: Inch series (EN 4538-2:2014)
- HRN EN 4551:2014 en pr  
Nizovi o zrakoplovstvu – Cijevni priključak 37°, od čelika otpornog na toplinu – Obrtne matice – Nizovi u inčima (EN 4551:2014)  
Aerospace series – Pipe coupling, 37°, in heat resisting steel – Swivel nuts – Inch series (EN 4551:2014)
- HRN EN 4686:2014 en pr  
Nizovi o zrakoplovstvu – Cijevni priključak 8°30' od legure titana – Opremljeni slijepim prestenvovima (EN 4686:2014)  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Equipped blind ferrules (EN 4686:2014)
- HRN EN 6059-504:2014 en pr  
Nizovi o zrakoplovstvu – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 504. dio: Porast temperature plašta uvjetovan samozagrijavanjem zbog zaštitne navlake (EN 6059-504:2014)  
Aerospace series – Electrical cable, installation – Protection sleeves – Test methods – Part 504: Temperature rise within a loom due to self-heating when protected by a sleeve (EN 6059-504:2014)
- HRN EN 16601-10-01:2014 en pr  
Upravljanje svemirskim projektom – Dio 10-01: Organizacija i provedba ocjenjivanja (EN 16601-10-01:2014)  
Space project management – Part 10-01: Organization and conduct of reviews (EN 16601-10-01:2014)
- HRN EN 16601-40:2014 en pr  
Upravljanje svemirskim projektom – Upravljanje konfiguracijom i informacijama (EN 16601-40:2014)  
Space project management – Configuration and information management (EN 16601-40:2014)
- HRN EN 16601-60:2014 en pr  
Upravljanje svemirskim projektom – 60. dio: Upravljanje troškovima i planiranjem (EN 16601-60:2014)  
Space project management – Part 60: Cost and schedule management (EN 16601-60:2014)
- HRN EN 16601-80:2014 en pr  
Upravljanje svemirskim projektom – 80. dio: Upravljanje rizikom (EN 16601-80:2014)  
Space project management – Part 80: Risk management (EN 16601-80:2014)
- HRN EN 16602-20-10:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Upotreba proizvoda koji nisu izrađivani za poznatog naručitelja u svemirskim sustavima (EN 16602-20-10:2014)  
Space product assurance – Off-the-shelf items utilization in space systems (EN 16602-20-10:2014)
- HRN EN 16602-20:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Osiguravanje kvalitete (EN 16602-20:2014)  
Space product assurance – Quality assurance (EN 16602-20:2014)
- HRN EN 16602-30-02:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Analiza vrsta, učinaka (i kritičnosti) kvarova (EN 16602-30-02:2014)  
Space product assurance – Failure modes, effects (and criticality) analysis (FMEA/FMECA) (EN 16602-30-02:2014)
- HRN EN 16602-30-09:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Analiza raspoloživosti (EN 16602-30-09:2014)  
Space product assurance – Availability analysis (EN 16602-30-09:2014)
- HRN EN 16602-30-11:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Projektiranje s povećanom radnom sigurnošću dijelova – EEE dijelovi (EN 16602-30-11:2014)  
Space product assurance – Derating – EEE components (EN 16602-30-11:2014)
- HRN EN 16602-40-02:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Analiza opasnosti (EN 16602-40-02:2014)  
Space product assurance – Hazard analysis (EN 16602-40-02:2014)
- HRN EN 16602-40-12:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Analiza stabla kvara – Obavijest o prihvaćanju ECSS/IEC 61025 (EN 16602-40-12:2014)  
Space product assurance – Fault tree analysis – Adoption notice ECSS/IEC 61025 (EN 16602-40-12:2014)
- HRN EN 16602-60-02:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – ASIC i FPGA razvoj (EN 16602-60-02:2014)  
Space product assurance – ASIC and FPGA development (EN 16602-60-02:2014)
- HRN EN 16602-60-05:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Opći zahtjevi za nabavu za hibride (EN 16602-60-05:2014)  
Space product assurance – Generic procurement requirements for hybrids (EN 16602-60-05:2014)
- HRN EN 16602-60-12:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Projektiranje, odabir, nabava i upotreba mikrovalnih monolitских integriranih sklopova (MMICs) odlivenih u kalupu (EN 16602-60-12:2014)  
Space product assurance – Design, selection, procurement and use of die form monolithic microwave integrated circuits (MMICs) (EN 16602-60-12:2014)
- HRN EN 16602-60-14:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Postupak obnove – EEE dijelovi (EN 16602-60-14:2014)  
Space product assurance – Relifing procedure – EEE components (EN 16602-60-14:2014)

- HRN EN 16602-60-15:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Osiguravanje otpornosti na radijaciju – EEE dijelovi (EN 16602-60-15:2014)  
Space product assurance – Radiation hardness assurance – EEE components (EN 16602-60-15:2014)
- HRN EN 16602-70-01:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Kontrola čistoće i kontaminacije (EN 16602-70-01:2014)  
Space product assurance – Cleanliness and contamination control (EN 16602-70-01:2014)
- HRN EN 16602-70-02:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Toplinsko vakuumsko-ispitivanje ispuštanja plina radi provjere materijala za svemir (EN 16602-70-02:2014)  
Space product assurance – Thermal vacuum outgassing test for the screening of space materials (EN 16602-70-02:2014)
- HRN EN 16602-70-03:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Crno anodiziranje metala sa anorganskim bojilima (EN 16602-70-03:2014)  
Space product assurance – Black-anodizing of metals with inorganic dyes (EN 16602-70-03:2014)
- HRN EN 16602-70-04:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Toplinsko ispitivanje za ocjenjivanje materijala za svemir, procesa, strojnih dijelova i sklopova (EN 16602-70-04:2014)  
Space product assurance – Thermal testing for the evaluation of space materials, processes, mechanical parts and assemblies (EN 16602-70-04:2014)
- HRN EN 16602-70-05:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Otkrivanje organski kontaminiranih površina pomoću infracrvene spektroskopije (EN 16602-70-05:2014)  
Space product assurance – Detection of organic contamination surfaces by infrared spectroscopy (EN 16602-70-05:2014)
- HRN EN 16602-70-06:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Ispitivanje otpornosti materijala koji će se upotrebljavati u svemiru na UV zračenje i zračenje čestica (EN 16602-70-06:2014)  
Space product assurance – Particle and UV radiation testing for space materials (EN 16602-70-06:2014)
- HRN EN 16602-70-07:2014 en pr  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Verifikacija i odobravanje lemljenja izvedenog automatskim oscilatornim strojevima (EN 16602-70-07:2014)  
Space product assurance – Verification and approval of automatic machine wave soldering (EN 16602-70-07:2014)
- HRN EN 16603-10-03:2014 en pr  
Svemirsko inženjerstvo – Ispitivanje (EN 16603-10-03:2014)  
Space engineering – Testing (EN 16603-10-03:2014)
- HRN EN 16603-10-06:2014 en pr  
Svemirsko inženjerstvo – Dio 10-06: Tehničke specifikacije i zahtjevi (EN 16603-10-06:2014)  
Space engineering – Part 10-06: Technical requirements specification (EN 16603-10-06:2014)
- HRN EN 16603-20-08:2014 en pr  
Svemirsko inženjerstvo – Dio 20-08: Fotonaponski sklopovi i dijelovi (EN 16603-20-08:2014)  
Space engineering – Part 20-08: Photovoltaic assemblies and components (EN 16603-20-08:2014)
- HRN EN 16603-32-01:2014 en pr  
Svemirsko inženjerstvo – Kontrola lomova (EN 16603-32-01:2014)  
Space engineering – Fracture control (EN 16603-32-01:2014)
- HRN EN 16603-32-02:2014 en pr  
Svemirsko inženjerstvo – Projektiranje konstrukcije i potvrđivanje opreme pod tlakom (EN 16603-32-02:2014)  
Space engineering – Structural design and verification of pressurized hardware (EN 16603-32-02:2014)
- HRN EN 16603-32-03:2014 en pr  
Svemirsko inženjerstvo – Modeli konstrukcije konačnih elemenata (EN 16603-32-03:2014)  
Space engineering – Structural finite element models (EN 16603-32-03:2014)
- HRN EN 16603-32-10:2014 en pr  
Svemirsko inženjerstvo – Konstrukcijski faktori sigurnosti opreme za svemirske letove (EN 16603-32-10:2014)  
Space engineering – Structural factors of safety for spaceflight hardware (EN 16603-32-10:2014)
- HRN EN 16603-32-11:2014 en pr  
Svemirsko inženjerstvo – Ocjena modalnog ispitivanja (EN 16603-32-11:2014)  
Space engineering – Modal survey assessment (EN 16603-32-11:2014)
- HRN EN 16603-32:2014 en pr  
Svemirsko inženjerstvo – Konstrukcijski opći zahtjevi (EN 16603-32:2014)  
Space engineering – Structural general requirements (EN 16603-32:2014)
- HRN EN 16603-34:2014 en pr  
Svemirsko inženjerstvo – 34. dio: Kontrola okoliša i potpore za život (ECLS) (EN 16603-34:2014)  
Space engineering – Part 34: Environmental control and life support (ECLS) (EN 16603-34:2014)
- HRN EN 16603-40:2014 en pr  
Svemirsko inženjerstvo – 40. dio: Programska podrška (EN 16603-40:2014)  
Space engineering – Part 40: Software (EN 16603-40:2014)
- HRN EN 16603-50-01:2014 en pr  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telemetrijska sinkronizacija i kodiranje kanala (EN 16603-50-01:2014)  
Space engineering – Space data links – Telemetry synchronization and channel coding (EN 16603-50-01:2014)
- HRN EN 16603-50-03:2014 en pr  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telemetrijski prijenos okvirnog protokola (EN 16603-50-03:2014)  
Space engineering – Space data links – Telemetry transfer frame protocol (EN 16603-50-03:2014)
- HRN EN 16603-50-04:2014 en pr  
Svemirsko inženjerstvo – Povezivanje podataka o svemiru – Telekomandni protokoli, sinkronizacija i kodiranje kanala (EN 16603-50-04:2014)  
Space engineering – Space data links – Telecommand protocols, synchronization and channel coding (EN 16603-50-04:2014)



HRN EN 16603-70-32:2014 en pr  
Svemirsko inženjerstvo – Jezik postupka ispitivanja i radnih postupaka (EN 16603-70-32:2014)  
Space engineering – Test and operations procedure language (EN 16603-70-32:2014)

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

HRS CLC/TS 50574-2:2014 en pr  
Zahtjevi s obzirom na prikupljanje, logistiku i postupanje na kraju životnog vijeka kućanskih aparata koji sadrže hlapljive fluorouglikove ili hlapljive ugljikovodike – 2. dio: Specifikacija za uklanjanje onečišćenja (CLC/TS 50574-2:2014)  
Collection, logistics & treatment requirements for end-of-life household appliances containing volatile fluorocarbons or volatile hydrocarbons – Part 2: Specification for de-pollution (CLC/TS 50574-2:2014)

HRN EN 60068-1:2014 en pr  
Ispitivanje utjecaja okoliša – 1. dio: Općenito i upute (IEC 60068-1:2013; EN 60068-1:2014)  
Environmental testing – Part 1: General and guidance (IEC 60068-1:2013; EN 60068-1:2014)

HRN EN 60127-2:2014 en pr  
Minijaturni osigurači – 2. dio: Rastalni ulošci (IEC 60127-2:2014; EN 60127-2:2014)  
Miniature fuses – Part 2: Cartridge fuse-links (IEC 60127-2:2014; EN 60127-2:2014)

### **HZNTU V1, Elektronika 1**

HRN EN 50411-3-1:2014 en pr  
Fibre organisers and closures to be used in optical fibre communication systems – Product specifications – Part 3-1: Fibre management system, splice wall box, for category C & G (EN 50411-3-1:2012)

HRN EN 50530:2011/A1:2014 en pr  
Overall efficiency of grid connected photovoltaic inverters (EN 50530:2010/A1:2013)

HRN EN 50599:2014 en pr  
Generic cabling systems – Specification for the testing of balanced communication cabling in accordance with EN 50173-4 – Screened straight patch cords and straight work area cords for class D applications – Detail specification (EN 50599:2014)

HRN EN 50602:2014 en pr  
Generic cabling systems – Specification for the testing of balanced communication cabling in accordance with EN 50173-4 – Unscreened straight patch cords and straight work area cords for class E applications – Detail specification (EN 50602:2014)

HRN EN 60068-2-58:2008/Ispr.1:2014 en pr  
Environmental testing – Part 2-58: Tests – Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD) (EN 60068-2-58:2004/AC:2004)

HRN EN 60115-2:2014 en pr  
Fixed resistors for use in electronic equipment – Part 2: Sectional specification: Leaded fixed low power film resistors (IEC 60115-2:2014; EN 60115-2:2014)

HRN EN 60512-12-4:2008/Ispr.1:2014 en pr  
Connectors for electronic equipment – Tests and measurements – Part 12-4: Soldering tests – Test 12d: Resistance to soldering heat, solder bath method (EN 60512-12-4:2006/AC:2006)

HRN EN 60512-24-1:2014 en pr  
Connectors for electronic equipment – Tests and measurements – Part 24-1: Magnetic interference tests – Test 24a: Residual magnetism (IEC 60512-24-1:2010; EN 60512-24-1:2012)

HRN EN 60793-1-45:2008/Ispr.1:2014 en pr  
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter (EN 60793-1-45:2003/AC:2004)

HRN EN 60915:2008/Ispr.2:2014 en pr  
Capacitors and resistors for use in electronic equipment – Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components (EN 60915:2007/AC:2008)

HRN EN 61169-42:2014 en pr  
Radio-frequency connectors – Part 42: Sectional specification for CQN series quick lock RF coaxial connectors (IEC 61169-42:2013; EN 61169-42:2013)

HRN EN 61182-2-2:2014 en pr  
Printed board assembly products – Manufacturing description data and transfer methodology – Part 2-2: Sectional requirements for implementation of printed board fabrication data description (IEC 61182-2-2:2012; EN 61182-2-2:2012)

HRN EN 61193-3:2014 en pr  
Quality assessment systems – Part 3: Selection and use of sampling plans for printed board and laminate end-product and in-process auditing (IEC 61193-3:2013; EN 61193-3:2013)

HRN EN 61249-2-10:2008/Ispr.1:2014 en pr  
Materials for printed boards and other interconnecting structures – Part 2-10: Reinforced base materials, clad and unclad – Cyanate ester, brominated epoxide, modified or unmodified, woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad (EN 61249-2-10:2003/AC:2005)

HRN EN 61249-2-11:2008/Ispr.1:2014 en pr  
Materials for printed boards and other interconnecting structures – Part 2-11: Reinforced base materials, clad and unclad – Polyimide, brominated epoxide modified or unmodified, woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad (EN 61249-2-11:2003/AC:2005)

HRN EN 61249-2-5:2008/Ispr.1:2014 en pr  
Materials for printed boards and other interconnecting structures – Part 2-5: Reinforced base materials, clad and unclad – Brominated epoxide cellulose paper reinforced core / woven E-glass reinforced surfaces laminated sheets of defined flammability (vertical burning test), copper-clad (EN 61249-2-5:2003/AC:2005)

HRN EN 61300-3-29:2008/Ispr.1:2014 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-29: Examinations and measurements – Measurement techniques for characterizing the amplitude of the spectral transfer function of DWDM components (EN 61300-3-29:2006/AC:2006)

HRN EN 61300-3-47:2014 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-47: Examinations and measurements – End face geometry of PC/APC spherically polished ferrules using interferometry (IEC 61300-3-47:2014; EN 61300-3-47:2014)

HRN EN 61340-4-4:2014 en pr  
Electrostatics – Part 4-4: Standard test methods for specific applications – Electrostatic classification of flexible intermediate bulk containers (FIBC) (IEC 61340-4-4:2012; EN 61340-4-4:2012)



HRN EN 61340-5-3:2014 en pr  
Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena – Properties and requirements classifications for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2010; EN 61340-5-3:2010)

HRN EN 61587-5:2014 en pr  
Mechanical structures for electronic equipment – Tests for IEC 60917 and IEC 60297 – Part 5: Seismic tests for chassis, subracks and plug-in units (IEC 61587-5:2013; EN 61587-5:2014)

HRN EN 61746-1:2012/Ispr.1:2014 en pr  
Calibration of optical time-domain reflectometers (OTDR) – Part 1: OTDR for single-mode fibres (EN 61746-1:2011/AC:2014)

HRN EN 61746-2:2011/Ispr.1:2014 en pr  
Calibration of optical time-domain reflectometers (OTDR) – Part 2: OTDR for multimode fibres (EN 61746-2:2011/AC:2014)

HRN EN 61753-041-2:2014 en pr  
Fibre optic interconnecting devices and passive components – Performance standard – Part 041-2: Non-connectorized single-mode OTDR reflecting device for category C – Controlled environment (IEC 61753-041-2:2014; EN 61753-041-2:2014)

HRN EN 61754-18:2008/Ispr.1:2014 en pr  
Fibre optic connector interfaces – Part 18: Type MT-RJ connector family (EN 61754-18:2002/AC:2002)

HRN EN 61754-20-100:2014 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 20-100: Interface standard for LC connectors with protective housings related to IEC 61076-3-106 (IEC 61754-20-100:2012; EN 61754-20-100:2012)

HRN EN 61754-20:2014 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 20: Type LC connector family (IEC 61754-20:2012; EN 61754-20:2012)

HRN EN 61754-30:2014 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 30: Type CLIK connector series (IEC 61754-30:2014; EN 61754-30:2014)

HRN EN 61967-4:2008/Ispr.1:2014 en pr  
Integrated circuits – Measurement of electromagnetic emissions, 150 kHz to 1 GHz – Part 4: Measurement of conducted emissions – 1 ohm/150 ohm direct coupling method (EN 61967-4:2002/A1:2006/AC:2006)

HRN EN 62037-1:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 1: General requirements and measuring methods (IEC 62037-1:2012; EN 62037-1:2012)

HRN EN 62037-2:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 2: Measurement of passive intermodulation in coaxial cable assemblies (IEC 62037-2:2012; EN 62037-2:2013)

HRN EN 62037-3:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors (IEC 62037-3:2012; EN 62037-3:2012)

HRN EN 62037-4:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 4: Measurement of passive intermodulation in coaxial cables (IEC 62037-4:2012; EN 62037-4:2012)

HRN EN 62037-5:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 5: Measurement of passive intermodulation in filters (IEC 62037-5:2013; EN 62037-5:2013)

HRN EN 62037-6:2014 en pr  
Passive RF and microwave devices, intermodulation level measurement – Part 6: Measurement of passive intermodulation in antennas (IEC 62037-6:2013; EN 62037-6:2013)

## HZNTU W1, *Energetska elektrotehnika 1*

HRN EN 50144-2-7:2008/Ispr.1:2014 en pr  
Sigurnost ručnih elektromotornih alata – Dio 2-7: Posebni zahtjevi pištolja za štrcanje (EN 50144-2-7:2000/AC:2003)  
Safety of hand-held electric motor operated tools – Part 2-7: Particular requirements for spray guns (EN 50144-2-7:2000/AC:2003)

HRN EN 50540:2014 en pr  
Conductors for overhead lines – Aluminium Conductors Steel Supported (ACSS) (EN 50540:2010)

HRN EN 50543:2014 en pr  
Electronic portable and transportable apparatus designed to detect and measure carbon dioxide and/or carbon monoxide in indoor ambient air – Requirements and test methods (EN 50543:2011)

HRN EN 50580:2013/A1:2014 en pr  
Sigurnost ručnih elektromotornih alata – Posebni zahtjevi za pištolje za prskanje (EN 50580:2012/A1:2013)  
Safety of hand-held electric motor operated tools – Particular requirements for spray guns (EN 50580:2012/A1:2013)

HRN EN 60086-1:2014 en pr  
Primarne baterije – 1. dio: Općenito (IEC 60086-1:2011; EN 60086-1:2011)  
Primary batteries – Part 1: General (IEC 60086-1:2011; EN 60086-1:2011)

HRN EN 60086-2:2014 en pr  
Primarne baterije – 2. dio: Fizikalne i električne specifikacije (IEC 60086-2:2011; EN 60086-2:2011)  
Primary batteries – Part 2: Physical and electrical specifications (IEC 60086-2:2011; EN 60086-2:2011)

HRN EN 60086-3:2014 en pr  
Primarne baterije – 3. dio: Baterije za satove (IEC 60086-3:2011; EN 60086-3:2011)  
Primary batteries – Part 3: Watch batteries (IEC 60086-3:2011; EN 60086-3:2011)

HRN EN 60086-5:2014 en pr  
Primarne baterije – 5. dio: Sigurnost baterija s tekućim elektrolitom (IEC 60086-5:2011; EN 60086-5:2011)  
Primary batteries – Part 5: Safety of batteries with aqueous electrolyte (IEC 60086-5:2011; EN 60086-5:2011)

HRN EN 60745-2-15:2012/A1:2014 en pr  
Ručni elektromotorni alati – Sigurnost – Dio 2-15: Posebni zahtjevi za kresalice (IEC 60745-2-15:2006/am1:2009; EN 60745-2-15:2009/A1:2010)  
Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers (IEC 60745-2-15:2006/am1:2009; EN 60745-2-15:2009/A1:2010)

HRN EN 61029-2-10:2012/A11:2014 en pr  
Sigurnost prijenosnih elektromotornih alata – Dio 2-10: Posebni zahtjevi za odrezne brusilice (EN 61029-2-10:2010/A11:2013)  
Safety of transportable motor-operated electric tools – Part 2-10: Particular requirements for cutting-off grinders (EN 61029-2-10:2010/A11:2013)

HRN EN 61307:2014 en pr  
Instalacije za industrijsko mikrovalno grijanje – Metode ispitivanja za određivanje izlazne snage (IEC 61307:2011; EN 61307:2011)  
Industrial microwave heating installations – Test methods for the determination of power output (IEC 61307:2011; EN 61307:2011)

HRN EN 61429:2008/Ispr.1:2014 en pr  
Označavanje sekundarnih članaka i baterija međunarodnim simbolom za reciklažu ISO 7000-1135 i upute s obzirom na Direktive 93/86/EEC i 91/157/EEC (EN 61429:1996/AC:1998)  
Marking of secondary cells and batteries with the international recycling symbol ISO 7000-1135 and indications regarding directives 93/86/EEC and 91/157/EEC (EN 61429:1996/AC:1998)

HRN EN 61558-1:2008/Ispr.1:2014 en pr  
Sigurnost energetskih transformatora, jedinica za napajanje i slično – 1. dio: Opći zahtjevi i ispitivanja (EN 61558-1:1997/AC:2003)  
Safety of power transformers, power supply units and similar – Part 1: General requirements and tests (EN 61558-1:1997/AC:2003)

HRN EN 61810-2-1:2014 en pr  
Electromechanical elementary relays – Part 2-1: Reliability – Procedure for the verification of B10 values (IEC 61810-2-1:2011; EN 61810-2-1:2011)

HRN EN 61810-2:2014 en pr  
Elektromehanički osnovni releji – 2. dio: Pouzdanost (IEC 61810-2:2011; EN 61810-2:2011)  
Electromechanical elementary relays – Part 2: Reliability (IEC 61810-2:2011; EN 61810-2:2011)

HRN EN 61821:2014 en pr  
Električne instalacije za osvjetljavanje i označavanje uzletišta – Održavanje serijskih krugova konstantne struje za zemaljsko osvjetljenje u zrakoplovstvu (IEC 61821:2011; EN 61821:2011)  
Electrical installations for lighting and beaconing of aerodromes – Maintenance of aeronautical ground lighting constant current series circuits (IEC 61821:2011; EN 61821:2011)

HRN EN 61951-2:2014 en pr  
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Prijenosni zapečaćeni, punjivi, pojedinačni članci – 2. dio: Nikal-metalni hidrid (IEC 61951-2:2011; EN 61951-2:2011)  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 2: Nickel-metal hydride (IEC 61951-2:2011; EN 61951-2:2011)

HRN EN 61959:2008/Ispr.1:2014 en pr  
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Mehanička ispitivanja za zapečaćene prijenosne sekundarne članke i baterije (EN 61959:2004/AC:2004)  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries (EN 61959:2004/AC:2004)

HRN EN 61960:2014 en pr  
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni litijevi članci i baterije za prijenosne primjene (IEC 61960:2011; EN 61960:2011)  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications (IEC 61960:2011; EN 61960:2011)

HRN EN 62004:2014 en pr  
Thermal-resistant aluminium alloy wire for overhead line conductor (IEC 62004:2007, MOD; EN 62004:2009)

HRN EN 62006:2014 en pr  
Hydraulic machines – Acceptance tests of small hydroelectric installations (IEC 62006:2010; EN 62006:2011)

HRN EN 62246-1:2014 en pr  
Reed switches – Part 1: Generic specification (IEC 62246-1:2011; EN 62246-1:2011)

HRN EN 62282-3-200:2014 en pr  
Fuel cell technologies – Part 3-200: Stationary fuel cell power systems – Performance test methods (IEC 62282-3-200:2011; EN 62282-3-200:2012)

HRN EN 62660-1:2014 en pr  
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing (IEC 62660-1:2010; EN 62660-1:2011)

HRN EN 62660-2:2014 en pr  
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing (IEC 62660-2:2010; EN 62660-2:2011)

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma. Pisane primjedbe na prijedloge za prihvaćanje norma dostavljaju se Hrvatskome zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

#### HZN/TO 8, Brodogradnja

prEN ISO 8666:2014 en  
Small craft – Principal data (ISO/DIS 8666:2014)  
Mala plovila – Osnovni podaci (ISO/DIS 8666:2014)

ISO 8728:2014 en  
Ships and marine technology – Marine gyro-compasses  
Brodovi i pomorska tehnologija – Brodski zvrčni kompasi

prEN ISO 9094:2014 en  
Small craft – Fire protection (ISO/DIS 9094:2014)  
Mala plovila – Protupožarna zaštita (ISO/DIS 9094:2014)

prEN ISO 10087 rev en  
Small craft – Craft identification – Coding system (ISO/DIS 10087:2014)  
Mala plovila – Prepoznavanje trupa – Sustav kodiranja (ISO/DIS 10087:2014)

prEN ISO 11591 rev en  
Small craft – Field of vision from helm position (ISO/DIS 11591:2014)  
Mala plovila – Preglednost s mjesta upravljanja (ISO/DIS 11591:2014)

prEN ISO 14895:2014 en  
Small craft – Liquid-fuelled galley stoves and heating appliances (ISO/DIS 14895:2014)

ISO 16328:2014 en  
Ships and marine technology – Gyro-compasses for high-speed craft  
Brodovi i pomorska tehnologija – Zvrčni kompas za brza plovila

ISO 22090-1:2014 en  
Ships and marine technology – Transmitting heading devices (THDs) – Part 1: Gyro-compasses  
Brodovi i pomorska tehnologija – Uređaji za prijenos kursa (THDs) – 1. dio: Zvrčni kompasi

- ISO 22090-3:2014 en  
Ships and marine technology – Transmitting heading devices (THDs) – Part 3: GNSS principles  
Brodovi i pomorska tehnologija – Uređaji za prijenos kursa (THDs) – 3. dio: GNSS metoda
- ISO 28004-2:2014 en  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 2: Guidelines for adopting ISO 28000 for use in medium and small seaport operations  
Sustavi upravljanja sigurnošću opskrbnog lanca – Smjernice za primjenu ISO 28000 – 2. dio: Smjernice za prihvaćanje ISO 28000 za uporabu u aktivnostima u srednjim i malim morskim lukama
- ISO 28004-3:2014 en  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 3: Additional specific guidance for adopting ISO 28000 for use by medium and small businesses (other than marine ports)  
Sustavi upravljanja sigurnošću opskrbnog lanca – Smjernice za primjenu ISO 28000 – 3. dio: Dodatne posebne upute za prihvaćanje ISO 28000 za uporabu od strane srednjih i malih poduzeća (osim morskih luka)
- ISO 28004-4:2014 en  
Security management systems for the supply chain – Guidelines for the implementation of ISO 28000 – Part 4: Additional specific guidance on implementing ISO 28000 if compliance with ISO 28001 is a management objective  
Sustavi upravljanja sigurnošću opskrbnog lanca – Smjernice za primjenu ISO 28000 – 4. dio: Dodatne posebne upute za primjenu ISO 28000 ako je sukladnost s ISO 28001 cilj uprave

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

- DIN VDE 0833-1:2014 de  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 1: Allgemeine Festlegungen  
Sustavi za uzbunjivanje zbog požara, provala i prepada – 1. dio: Opći zahtjevi
- DIN 14675:2012+Beiblatt 1 de  
Brandmeldeanlagen – Aufbau und Betrieb  
Sustavi za otkrivanje i dojavu požara – Ugradba i rad
- DIN 14678:2008 de  
Handfeuermelder (Bauart K) zur Anwendung in durch Gase oder Stäube explosionsgefährdeten Betriebsstätten  
Ručni javljač požara (tip K) za primjenu u pogonskim prostorijama potencijalno ugroženim eksplozijom plinova ili prašine
- FprCEN/TS 15989 en  
Firefighting and rescue service vehicles and equipment – Graphical symbols for control elements and displays and for markings  
Vozila i oprema za vatrogasne i spasilačke službe – Grafički simboli za upravljačke elemente i prikaze te za označavanje

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

- ISO 3463:2006 en  
Tractors for agriculture and forestry – Roll-over protective structures (ROPS) – Dynamic test method and acceptance conditions  
Traktori za poljoprivredu i šumarstvo – Zaštitna konstrukcija pri prevrtanju (ROPS) – Dinamička metoda ispitivanja i uvjeti prihvaćanja

- ISO 5008:2002+Cor 1:2005 en  
Agricultural wheeled tractors and field machinery – Measurement of whole-body vibration of the operator  
Poljoprivredni traktori s kotačima i poljska mehanizacija – Mjerenje vibracija koje se prenose na cijelo tijelo rukovatelja
- ISO 5700:2013 en  
Tractors for agriculture and forestry – Roll-over protective structures (ROPS) – Static test method and acceptance conditions  
Traktori za poljoprivredu i šumarstvo – Zaštitna konstrukcija pri prevrtanju (ROPS) – Statička metoda ispitivanja i uvjeti prihvaćanja
- ISO 10625:2005 en  
Equipment for crop protection – Sprayer nozzles – Colour coding for identification  
Oprema za zaštitu bilja – Saprnice za prskanje – Kodiranje bojama za identifikaciju

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

- prEN 16807 en  
Liquid petroleum products – Bio-lubricants – Criteria and requirements of bio-lubricants and bio-based lubricants

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

- prEN ISO 16634-2 en  
Food products – Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content – Part 2: Cereals, pulses and milled cereal products (ISO/DIS 16634-2:2014)  
Prehrambeni proizvodi – Određivanje ukupne količine dušika izgaranjem prema Dumasovom načelu i izračunavanjem količine sirovih proteina – 2. dio: Žitarice, mahunarke i proizvodi mljevenja žitarica (ISO/DIS 16634-2:2014)

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

- prEN ISO 2811-1 rev en  
Paints and varnishes – Determination of density – Part 1: Pycnometer method (ISO/DIS 2811-1:2014)  
Boje i lakovi – Određivanje gustoće – 1. dio: Metoda s piknometrom (ISO/DIS 2811-1:2014)
- prEN ISO 4623-2:2014 en  
Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates (ISO/DIS 4623-2:2014)  
Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 2. dio: Aluminijske podloge (ISO/DIS 4623-2:2014)
- prEN ISO 20567-1 rev en  
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 1: Multi-impact testing (ISO/DIS 20567-1:2014)  
Boje i lakovi – Određivanje otpornosti premaza na udare kamenim krhotinama – 1. dio: Ispitivanje s više udaraca (ISO/DIS 20567-1:2014)
- prEN ISO 20567-2 rev en  
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 2: Single-impact test with a guided impact body (ISO/DIS 20567-2:2014)  
Boje i lakovi – Određivanje otpornosti premaza na udare kamenim krhotinama – 2. dio: Ispitivanje jednim udarcem s vođenim udarnim tijelom (ISO/DIS 20567-2:2014)

## HZN/TO 43, *Akustika*

- prEN ISO 389-3 rev en  
Acoustics – Reference zero for the calibration of audiometric equipment – Part 3: Reference equivalent threshold force levels for pure tones and bone vibrators (ISO/DIS 389-3:2014)  
Akustika – Referentna razina za umjeravanje audiometara – 3. dio: Referentne razine ekvivalentnoga zvučnog tlaka praga za čiste tonove i koštane vibratore (ISO/DIS 389-3:2014)

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

- prEN ISO 9013:2014 en  
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances (ISO/DIS 9013:2014)  
Toplinsko rezanje – Razredba rezova – Geometrijska specifikacija proizvoda i dopuštena odstupanja kvalitete (ISO/DIS 9013:2014)
- prEN ISO 9692-3 rev en  
Welding and allied processes – Recommendations for joint preparation – Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys (ISO/DIS 9692-3:2014)  
Zavarivanje i srodni procesi – Preporuke za pripremu spoja – 3. dio: MIG i TIG zavarivanje aluminija i aluminijevih legura (ISO/DIS 9692-3:2014)
- prEN 13479 en  
Welding consumables – General product standard for filler metals and fluxes for fusion welding of metallic materials  
Dodatni i potrošni materijali za zavarivanje – Opća norma za dodatne materijale i praškove za zavarivanje metalnih materijala taljenjem
- prEN 16813 en  
Thermal spraying – Measurement of the electrical conductivity of thermal sprayed non-iron metal coatings by means of eddy current method  
Toplinsko naštrecavanje – Mjerenje električne vodljivosti neželjeznih metalnih prevlaka nanesenih toplinskim naštrecavanjem metodom vrtložnih struja
- FprEN ISO 17658 en  
Welding – Imperfections in oxyfuel flame cuts, laser beam cuts and plasma cuts – Terminology (ISO 17658:2002)  
Zavarivanje – Nepravilnosti rezova pri plinskome rezanju, rezanju laserskim snopom i rezanju plazmom – Nazivlje (ISO 17658:2002)

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

- ISO 10161-1:2014 en  
Information and documentation – Open Systems Interconnection – Interlibrary Loan Application Protocol Specification – Part 1: Protocol specification  
Informacije i dokumentacija – Međupovezivanje otvorenih sustava – Specifikacija protokola za primjenu u službi međuknjižnične posudbe – 1. dio: Specifikacija protokola
- ISO 10161-2:2014 en  
Information and documentation – Open Systems Interconnection – Interlibrary Loan Application Protocol Specification – Part 2: Protocol implementation conformance statement (PICS) proforma  
Informacije i dokumentacija – Međupovezivanje otvorenih sustava – Specifikacija protokola za primjenu međuknjižnične posudbe – 2. dio: Proforma izjava o protokolu za usklađenost implementacije (PICS)

- ISO 21127:2014 en  
Information and documentation – A reference ontology for the interchange of cultural heritage information  
Informacije i dokumentacija – Referentna ontologija za razmjenu podataka o kulturnoj baštini

## HZN/TO 71, *Beton*

- FprEN 480-13 en  
Admixtures for concrete, mortar and grout – Test methods – Part 13: Reference masonry mortar for testing mortar admixtures  
Dodaci betonu, mortu i smjesi za injektiranje – Metode ispitivanja – 13. dio: Referentni mort za zidanje za ispitivanje dodataka mortu
- prEN 934-2 rev en  
Admixtures for concrete, mortar and grout – Part 2: Concrete admixtures – Definitions, requirements, conformity, marking and labelling  
Dodaci betonu, mortu i smjesi za injektiranje – 2. dio: Dodaci betonu – Definicije, zahtjevi, sukladnost, označavanje i obilježavanje

## HZN/TO 74, *Cement i vapno*

- prEN 13639 en  
Determination of total organic carbon in limestone  
Određivanje ukupnoga organskog ugljika u vapnencu

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

- prEN 13771-1 en  
Compressors and condensing units for refrigeration – Performance testing and test methods – Part 1: Refrigerant compressors  
Kompresori i kondenzacijske jedinice za hlađenje – Ispitivanje radnih značajka i metode ispitivanja – 1. dio: Rashladni kompresori

## HZN/TO 89, *Furniri i drvne ploče*

- prEN 14354 en  
Wood-based panels – Wood veneer floor coverings  
Ploče na osnovi drva – Podne obloge obložene furnirom

## HZN/TO 92, *Zaštita od požara*

- FprEN 1366-2 en  
Fire resistance tests for service installations – Part 2: Fire dampers  
Ispitivanja otpornosti na požar instalacija – 2. dio: Protupožarne zaklopke
- EN 1366-10:2011/prA1 en  
Fire resistance tests for service installations – Part 10: Smoke control dampers  
Ispitivanja otpornosti na požar servisnih instalacija – 10. dio: Zaklopke za upravljanje dimom
- prEN 13381-7 en  
Test methods for determining the contribution to the fire resistance of structural members – Part 7: Applied protection to timber members  
Metode ispitivanja za određivanje doprinosa otpornosti na požar konstrukcijskih elemenata – 7. dio: Zaštita primjenjena na drvenim elementima



## **HZN/TO 120, Koža i obuća**

prEN ISO 20137:2014 en  
Leather – Chemical tests – Guidelines for testing critical chemicals in leather (ISO/DIS 20137:2014)

## **HZN/TO 130, Grafička tehnologija**

ISO 12647-4:2014 en  
Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 4: Publication gravure printing  
Grafička tehnologija – Kontrola postupaka za kontrolu rasterskih izvadaka, probnog i proizvodnog otiska – 4. dio: Ilustracijski bakrotisak

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

EN 16319:2013/prA1 en  
Fertilizers and liming materials – Determination of cadmium, chromium, lead and nickel by inductively coupled plasma-atomic emission spectrometry (ICP-AES) after aqua regia dissolution  
Gnojiva i tvari za kalcifikaciju – Određivanje kadmija, kroma, olova i nikla upotrebom atomske emisijske spektrometrije s induktivno spregnutom plazmom (ICP-AES) nakon otapanja u zlatotopki

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

prEN 12200-1 en  
Plastics rainwater piping systems for above ground external use – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system  
Plastični cijevni sustavi oborinskih voda za nadzemnu uporabu – Neomekšani poli(vinil-klorid) (PVC-U) – 1. dio: Specifikacije za cijevi, spojnice i sustav

## **HZN/TO 146, Kvaliteta zraka**

prEN 14789 en  
Stationary source emissions – Determination of volume concentration of oxygen – Standard reference method: Paramagnetism

prEN 14790 en  
Stationary source emissions – Determination of the water vapour in ducts – Standard reference method

prEN 14791 en  
Stationary source emissions – Determination of mass concentration of sulphur oxides – Standard reference method

prEN 14792 en  
Stationary source emissions – Determination of mass concentration of nitrogen oxides – Standard reference method: chemiluminescence

prEN 14793 en  
Stationary source emissions – Demonstration of equivalence of an alternative method with a reference method

prEN 15058 en  
Stationary source emissions – Determination of the mass concentration of carbon monoxide – Standard reference method: non-dispersive infrared spectrometry

## **HZN/TO 147, Kvaliteta vode**

prEN ISO 7027-1 en  
Water quality – Determination of turbidity – Part 1: Quantitative methods (ISO/DIS 7027-1:2014)  
Kvaliteta vode – Određivanje mutnoće – 1. dio: Kvantitativne metode (ISO/DIS 7027-1:2014)

prEN ISO 18635:2014 en  
Water quality – Determination of short-chain polychlorinated alkanes (SCCPs) in sediment and suspended (particulate) matter – Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI) (ISO/DIS 18635:2014)  
Kvaliteta vode – Određivanje kratkolančanih polikloriranih alkana (SCCP) u sedimentu i suspendiranoj tvari (česticama) – Metoda plinske kromatografije-spektrometrije masa (GC-MS) i kemijske ionizacije negativnim ionima (NCI) (ISO/DIS 18635:2014)

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

prEN 16809-1 en  
Thermal insulation products for buildings – In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads – Part 1: Specification for the bonded and loose filled products before installation

prEN 16809-2 en  
Thermal insulation products of buildings – In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads – Part 2: Specification for the bonded and loose-fill products after installation

## **HZN/TO 167, Metalne konstrukcije**

prEN 1090-5 en  
Execution of steel structures and aluminium structures – Part 5: Technical requirements for thin-gauge, cold-formed aluminium elements and structures for roof, ceiling, floor and wall applications  
Izvođenje čeličnih i aluminijskih konstrukcija – 5. dio: Tehnički zahtjevi za tankostijene, hladno oblikovane, aluminijske elemente i konstrukcije za primjenu kod krovova, stropova, podova i zidova

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

EN ISO 11990-1:2014 en  
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 1: Tracheal tube shaft (ISO 11990-1:2011)  
Laseri i pridružena oprema – Utvrđivanje otpornosti trahealnih intubacijskih cijevi na lasersko zračenje – 1. dio: Balonski završetci trahealnih intubacijskih cijevi (ISO 11990-1:2011)

EN ISO 11990-2:2014 en  
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs (ISO 11990-2:2011)  
Laseri i pridružena oprema – Utvrđivanje otpornosti trahealnih intubacijskih cijevi na lasersko zračenje – 2. dio: Balonski završetci trahealnih intubacijskih cijevi (ISO 11990-2:2011)

ISO 14132-3:2014 en  
Optics and photonics – Vocabulary for telescopic systems – Part 3: Terms for telescopic sights  
Optika i fotonika – Rječnik naziva za dalekozorne sustave – 3. dio: Nazivlje za optičke ciljnice



prEN 16128 en  
Ophthalmic optics – Reference method for the testing of spectacle frames and sunglasses for nickel release  
Oftalmološka optika – Referentna metoda za ispitivanje oslobađanja nikla iz dioptrijskih okvira i sunčanih naočala

### **HZN/TO 179, Zidane konstrukcije**

EN 772-1:2011/FprA1 en  
Methods of test for masonry units – Part 1: Determination of compressive strength  
Metode ispitivanja zidnih elemenata – 1. dio: Određivanje tlačne čvrstoće

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

EN 1536:2010/FprA1 en  
Execution of special geotechnical work – Bored piles  
Izvedba posebnih geotehničkih radova – Bušeni piloti

EN 1538:2010/FprA1 en  
Execution of special geotechnical works – Diaphragm walls  
Izvedba posebnih geotehničkih radova – Dijafragme

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

prEN ISO 21298:2014 en  
Health informatics – Functional and structural roles (ISO/DIS 21298:2014)

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

prEN 350 en  
Durability of wood and wood-based products – Testing and classification of the resistance to biological agents, the permeability to water and the performance of wood and wood-based materials

prEN 1910 rev en  
Wood flooring and wood panelling and cladding – Determination of dimensional stability  
Drveni podovi i drvene obloge zidova i stropova – Određivanje stabilnosti dimenzija

prEN 13227 en  
Wood flooring – Solid lamparquet products  
Drvene podne obloge – Masivni lam-parket

prEN 13489 en  
Wood and parquet flooring – Multi-layer parquet elements  
Drvene podne obloge – Višeslojni parketni elementi

prEN 13756 en  
Wood flooring – Terminology  
Drvene podne obloge – Nazivlje

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

prEN 16810 en  
Sustainability of construction work – Environmental product declarations – Product category rules for resilient, textile and laminate floor coverings

### **HZN/TO 221, Geosintetici**

prEN 13719 en  
Geosynthetics – Determination of the long term protection efficiency of geosynthetics in contact with geosynthetic barriers  
Geosintetici – Određivanje dugotrajne zaštitne učinkovitosti geosintetika u dodiru s geosintetičkim barijerama

### **HZN/TO 502, Plinski uređaji**

FprEN 30-2-1 rev en  
Domestic cooking appliances burning gas – Part 2-1: Rational use of energy – General  
Kućanski plinski aparati za kuhanje – 2-1. dio: Racionalno korištenje energije – Općenito

prEN 88-2 rev en  
Safety and control devices for gas burners and gas burning appliances – Part 2: Pressure regulators for inlet pressures above 50 kPa up to and including 500 kPa and associated safety devices

EN 126:2012/prA1 en  
Multifunctional controls for gas burning appliances  
Višefunkcijske regulacijske (izvršne) naprave za plinske uređaje

FprEN 13203-2 en  
Gas-fired domestic appliances producing hot water – Part 2: Assessment of energy consumption  
Kućanski plinski uređaji za grijanje vode – 2. dio: Procjena potrošnje energije

EN 15502-1:2012/FprA1 en  
Gas-fired heating boilers – Part 1: General requirements and tests  
Plinski kotlovi za centralno grijanje – 1. dio: Opći zahtjevi i ispitivanja

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

prEN 10028-1 en  
Flat products made of steels for pressure purposes – Part 1: General requirements  
Plosnati proizvodi od čelika za tlačne namjene – 1. dio: Opći zahtjevi

prEN 10028-2 rev en  
Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties  
Plosnati proizvodi od čelika za tlačne namjene – 2. dio: Nelegirani i legirani čelici s utvrđenim svojstvima pri povišenoj temperaturi

prEN 10028-3 en  
Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized  
Plosnati proizvodi od čelika za tlačne namjene – 3. dio: Zavarljivi sitnozrnati čelici, normalizacijski žareni

prEN 10028-4 rev en  
Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties  
Plosnati proizvodi od čelika za tlačne namjene – 4. dio: Čelici legirani niklom s utvrđenim svojstvima pri niskim temperaturama

prEN 10028-5 en  
Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled  
Plosnati proizvodi od čelika za tlačne namjene – 5. dio: Zavarljivi, sitnozrnati čelici, termomehanički valjani

prEN 10028-6 en  
Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered  
Plosnati proizvodi od čelika za tlačne namjene – 6. dio: Zavarljivi, poboljšani, sitnozrnati čelici

prEN 10120 rev en  
Steel sheet and strip for welded gas cylinders  
Čelični limovi i trake za zavarene cilindre za plin

FprEN 15079 en  
Copper and copper alloys – Analysis by spark  
source optical emission spectrometry (S-OES)  
Bakar i legure bakra – Analiza optičkom emisijskom  
spektrometrijom potpomognuta iskrom (S-OES)

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

prEN ISO 2178 en  
Non-magnetic coatings on magnetic substrates  
– Measurement of coating thickness – Magnetic  
method (ISO/DIS 2178:2014)  
Nemagnetske prevlake na magnetskim podlogama  
– Mjerenje debljine prevlake – Magnetska metoda  
(ISO/DIS 2178:2014)

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

prEN ISO 16440 en  
Petroleum and natural gas industries – Pipeline  
transportation systems – Design, construction and  
maintenance of steel cased pipelines  
(ISO/DIS 16440:2014)

prEN ISO 17348 en  
Petroleum and natural gas offshore platforms –  
Guidelines for materials selection for high content  
CO2 environment for casings, tubings and downhole  
equipment (ISO/DIS 17348:2014)

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

FprEN ISO 12818 en  
Glass packaging – Standard tolerances for  
flaconnage (ISO 12818:2013)  
Staklena ambalaža – Normirana odstupanja za  
staklene spremnike (ISO 12818:2013)

FprEN ISO 12821 en  
Glass packaging – 26 H 180 crown finish –  
Dimensions (ISO 12821:2013)  
Staklena ambalaža – Krunsko grlo 26 H 180 –  
Dimenzije (ISO 12821:2013)

ISO 18333:2014 en  
Pallets for materials handling – Quality of new  
wooden components for flat pallets  
Palete za rukovanje materijalima – Kvaliteta novih  
drvenih dijelova za plošne palete

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

prEN 14566 en  
Mechanical fasteners for gypsum board systems –  
Definitions, requirements and test methods  
Mehanička spajala za sustave s gipsanim pločama –  
Definicije, zahtjevi i metode ispitivanja

### **HZN/TO 524, *Inteligentni transportni sustavi***

FprCEN/TS 16794-1 en  
Public transport – Communication between  
contactless readers and fare media – Part 1:  
Implementation requirements for ISO/IEC 14443

FprCEN/TS 16794-2 en  
Public transport – Communication between  
contactless readers and fare media – Part 2: Test  
plan for ISO/IEC 14443

FprCEN ISO/TS 18750 en  
Intelligent transport systems – Cooperative systems  
– Definition of a global concept for Local Dynamic  
Maps (ISO/PRF TS 18750:2014)

FprCEN ISO/TS 19321:2014 en  
Intelligent transport systems – Cooperative ITS  
– Dictionary of in-vehicle information (IVI) data  
structures (ISO/PRF TS 19321:2014)

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

prEN 13587 rev en  
Bitumen and bituminous binders – Determination of  
the tensile properties of bituminous binders by the  
tensile test method

Bitumen i bitumenska veziva – Određivanje vlačnih  
svojstava bitumenskih veziva metodom rastezanja

prEN 13588 rev en  
Bitumen and bituminous binders – Determination of  
cohesion of bituminous binders with pendulum test  
Bitumen i bitumenska veziva – Određivanje kohezije  
bitumenskih veziva ispitivanjem pomoću klatna

prEN 13589 rev en  
Bitumen and bituminous binders – Determination  
of the tensile properties of modified bitumen by the  
force ductility method  
Bitumen i bitumenska veziva – Određivanje vlačnih  
svojstava modificiranog bitumena metodom mjerenja  
sile duktilometrom

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

prEN 14198 rev en  
Railway applications – Braking – Requirements for  
the brake system of trains for general operation

prEN 15220 en  
Railway applications – Brake indicators  
Željeznički sustav – Pokazivači kočnice

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

ISO 7752-1:2010/Amd 1:2012 en  
Cranes – Control layout and characteristics – Part 1:  
General principles  
Granici – Raspored upravljačkih elemenata i  
karakteristike – 1. dio: Opća načela

prEN 13155 rev en  
Crane – Safety – Non-fixed load lifting attachments  
Granici – Sigurnost – Ovjjesna sredstva

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

FprEN ISO 13894-1 en  
High-pressure decorative laminates – Composite  
elements – Part 1: Test methods  
(ISO 13894-1:2000)

FprEN ISO 13894-2 en  
High-pressure decorative laminates – Composite  
elements – Part 2: Specifications for composite  
elements with wood-based substrates for interior use  
(ISO 13894-2:2005)

prEN 16795 en  
Plastics – Method for estimating heat build up of flat  
surfaces by simulated solar radiation

EN ISO 18064:2014 en  
Thermoplastic elastomers – Nomenclature and  
abbreviated terms (ISO 18064:2014)  
Plastomerni elastomeri – Nomenklatura i skraćeni  
nazivi (ISO 18064:2014)

## HZN/TO 533, Kolničke konstrukcije

- prEN 12697-8 en  
Bituminous mixtures – Test methods – Part 8:  
Determination of void characteristics of bituminous specimens  
Bitumenske mješavine – Metode ispitivanja – 8. dio:  
Određivanje šupljina u asfaltnim uzorcima
- prEN 12697-27 en  
Bituminous mixtures – Test methods – Part 27:  
Sampling  
Bitumenske mješavine – Metode ispitivanja – 27. dio:  
Uzorkovanje
- prEN 14187-1 en  
Cold applied joint sealants – Test methods – Part 1:  
Determination of rate of cure  
Hladne brtvene mase – Metode ispitivanja – 1. dio:  
Određivanje brzine otvrdnjivanja
- prEN 14187-2 en  
Cold applied joint sealants – Test methods – Part 2:  
Determination of tack free time  
Hladne brtvene mase – Metode ispitivanja – 2. dio:  
Određivanje vremena sušenja
- prEN 14187-3 en  
Cold applied joint sealants – Test methods – Part 3:  
Determination of self-levelling properties  
Hladne brtvene mase – Metode ispitivanja – 3. dio:  
Određivanje samoizravnavajućih svojstava
- prEN 14187-4 en  
Cold applied joint sealants – Test methods – Part 4:  
Determination of the change in mass and volume after immersion in test fuels and liquid chemicals  
Hladne brtvene mase – Metode ispitivanja – 4. dio:  
Određivanje promjene mase i volumena nakon uranjanja u ispitna goriva
- prEN 14187-5 en  
Cold applied joint sealants – Test methods – Part 5:  
Determination of the resistance to hydrolysis  
Hladne brtvene mase – Metode ispitivanja – 5. dio:  
Određivanje otpornosti na hidrolizu
- prEN 14187-6 en  
Cold applied joint sealants – Test method – Part 6:  
Determination of the adhesion/cohesion properties after immersion in test fuels and liquid chemicals  
Hladne brtvene mase – Metode ispitivanja – 6. dio:  
Određivanje adhezijskih/kohezijskih svojstava nakon uranjanja u tekuće kemikalije
- prEN 14187-7 en  
Cold applied joint sealants – Test methods – Part 7:  
Determination of the resistance to flame  
Hladne brtvene mase – Metode ispitivanja – 7. dio:  
Određivanje otpornosti na plamen
- prEN 14187-8 en  
Cold applied joint sealants – Test methods – Part 8:  
Determination of the artificial weathering by UV-irradiation  
Hladne brtvene mase – Metode ispitivanja --8. dio:  
Određivanje umjetnog starenja UV ozračivanjem
- prEN 14188-2 en  
Joint fillers and sealants – Part 2: Specifications for cold applied sealants  
Brtveni umetci i (brtvene) mase – 2. dio:  
Specifikacije za hladne brtvene mase

## HZN/TO 534, Spremnici za teret

- prEN 14595 rev en  
Tanks for transport of dangerous goods – Service equipment for tanks – Pressure and vacuum breather device  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Tlačni i vakuumski odušni uređaji

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

- prEN 179 en  
Building hardware – Emergency exit devices operated by a lever handle or push pad, for use on escape routes – Requirements and test methods  
Građevni okovi – Naprave izlaza za nuždu s kvakom ili pritisnom pločom za upotrebu na evakuacijskim putovima – Zahtjevi i ispitne metode
- prEN 1125 en  
Building hardware – Panic exit devices operated by a horizontal bar, for use on escape routes – Requirements and test methods  
Građevni okovi – Dijelovi izlaza za nuždu s pritisnom šipkom za upotrebu na evakuacijskim putovima – Zahtjevi i ispitne metode
- prEN 12207 rev en  
Windows and doors – Air permeability – Classification  
Prozori i vrata – Propusnost zraka – Razredba
- prEN 12519 rev en  
Windows and pedestrian doors – Terminology  
Prozori i pješačka vrata – Nazivlje
- FprEN 13637 en  
Building hardware – Electrically controlled exit systems for use on escape routes – Requirements and test methods  
Građevni okovi – Izlazni sustavi s električnim upravljanjem za upotrebu na evakuacijskim putevima – Zahtjevi i metode ispitivanja
- FprEN 13659 rev en  
Shutters and external venetian blinds – Performance requirements including safety  
Kapci i vanjske žaluzine (rebrnice) – Zahtjevana svojstva, uključujući sigurnost

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

- prEN ISO 5801 rev en  
Fans – Performance testing using standardized airways (ISO/DIS 5801:2014)  
Ventilatori – Ispitivanje značajka na normiranim mjernim linijama (ISO/DIS 5801:2014)
- prEN 12831-1 en  
Heating systems and water based cooling systems in buildings – Method for calculation of the design heat load – Part 1: Space heating load  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna projektnog toplinskog opterećenja – 1. dio: Toplinsko opterećenje prostora
- prEN 12831-3 en  
Heating systems and water based cooling systems in buildings – Method for calculation of the design heat load – Part 3: Domestic hot water systems heat load and characterisation of needs  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna projektnog toplinskog opterećenja – 3. dio: Toplinsko opterećenje za pripremu potrošne tople vode i utvrđivanje potreba
- prEN 15316-1 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 1: General and Energy performance expression  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – 1. dio: Izraz za opću i energijsku učinkovitost

- prEN 15316-2 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 2: Space emission systems (heating and cooling)  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – 2. dio: Sustavi zračenja u prostoru (grijanje i hlađenje)
- prEN 15316-3 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 3: Space distribution systems (DHW, heating and cooling)  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – 3. dio: Sustavi raspodjele u prostoru (PTV, grijanje i hlađenje)
- prEN 15316-4-1 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-1: Space heating and DHW generation systems, combustion systems (boilers, biomass)  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio: 4-1: Sustavi koji stvaraju toplinu za grijanje prostora i za pripremu potrošne tople vode, sustavi izgaranja (kotlovi, biomasa)
- prEN 15316-4-2 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-2: Space heating generation systems, heat pump systems  
Sustavi grijanja i hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-2: Sustavi koji stvaraju toplinu za grijanje prostora, dizalice topline
- prEN 15316-4-3 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-3: Heat generation systems, thermal solar and photovoltaic systems  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-3: Sustavi koji stvaraju toplinu, toplinski sustavi Sunčeva zračenja i fotonaponski sustavi
- prEN 15316-4-4 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-4: Heat generation systems, building-integrated cogeneration systems  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-4: Sustavi koji stvaraju toplinu, integrirani kogeneracijski sustavi u zgradama
- prEN 15316-4-5 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-5: District heating and cooling  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-5: Daljinsko grijanje i hlađenje
- prEN 15316-4-8 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 4-8: Space heating generation systems, air heating and overhead radiant heating systems, including stoves (local)  
Sustavi grijanja i sustavi hlađenja vodom/vodenog hlađenja u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 4-8: Sustavi koji stvaraju toplinu za grijanje prostora, grijanje zrakom i stropni sustavi grijanja zračenjem, uključujući i peći (lokalno)
- prEN 15316-5 en  
Heating systems and water based cooling systems in buildings – Method for calculation of system energy requirements and system efficiencies – Part 5: Space heating and DHW storage systems (not cooling)  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – 5. dio: Sustavi za pohranu pri grijanju prostora i pripremi potrošne tople vode (PTV)
- prEN 15378-1 en  
Heating systems and water based cooling systems in buildings – Heating systems and DHW in buildings – Part 1: Inspection of boilers, heating systems and DHW  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Sustavi grijanja i pripreme potrošne tople vode (PTV) u zgradama – 1.dio: Nadzor nad kotlovima, sustavima grijanja i PTV-om
- prEN 15378-3 en  
Heating systems and water based cooling systems in buildings – Heating systems and DHW in buildings – Part 3: Measured energy performance  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Sustavi grijanja i pripreme potrošne tople vode u zgradama – 3. dio: (Iz)mjerena energijska učinkovitost
- prEN 15459-1 en  
Heating systems and water based cooling systems in buildings – Energy performance of buildings – Part 1: Economic evaluation procedure for energy systems in buildings  
Sustavi grijanja i sustavi hlađenja vodom u zgradama – Energijske značajke zgrada –1. dio: Postupak ekonomske procjene energijskih sustava u zgradama
- prEN 16282-1 en  
Equipment for commercial kitchens – Components for ventilation of commercial kitchens – Part 1: General requirements including calculation method  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 1. dio: Opći zahtjevi uključujući metodu proračuna
- prEN 16282-2 en  
Equipment for commercial kitchens – Components for ventilation of commercial kitchens – Part 2: Kitchen ventilation hoods, design and safety requirements  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 2. dio: Kuhinjske ventilacijske nape, zahtjevi za projektiranje i sigurnosni zahtjevi
- prEN 16282-3 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 3: Kitchen ventilation ceilings, Design and safety requirements  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 3. dio: Kuhinjski ventilacijski stropovi, Zahtjevi za projektiranje i sigurnosni zahtjevi



prEN 16282-4 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 4: Air inlets and outlets, Design and safety requirements  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 4. dio: Usis i otsis zraka, Zahtjevi za projektiranje i sigurnosni zahtjevi

prEN 16282-5 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 5: Air duct, Design and dimensioning  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 5. dio: Zračni kanali; Projektiranje i dimenzioniranje

prEN 16282-6 en  
Equipment for commercial kitchens – Components for ventilation of commercial kitchens – Part 6: Aerosol separators, Design and safety requirements  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 6. dio: Odvajači/separatori aerosola, Zahtjevi za projektiranje i sigurnosni zahtjevi

prEN 16282-7 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 7: Installation and use of fixed fire suppression systems  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 7. dio: Instaliranje i uporaba fiksnih sustava za gašenje požara

prEN 16282-8 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 8: Installations for treatment of cooking fumes, Requirements and testing  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 8. dio: Instalacije za tretiranje kuhinjskih para, Zahtjevi i ispitivanje

prEN 16282-9 en  
Equipment for commercial kitchens – Components for ventilation in commercial kitchens – Part 9: Capture and containment performance of extraction systems – Test methods  
Oprema za profesionalne kuhinje – Komponente za ventilaciju u profesionalnim kuhinjama – 9. dio: Značajke hvatanja i zadržavanja sustava za izvlačenje – Metode ispitivanja

prEN 16798-3 en  
Energy performance of buildings – Part 3: Ventilation for non-residential buildings – Performance requirements for ventilation and room-conditioning systems  
Energijska svojstva zgrada – 3. dio: Ventilacija u nestambenim zgradama – Zahtjevi za sustave ventilacije i klimatizacije

prEN 16798-7 en  
Energy performance of buildings – Part 7: Ventilation for buildings – Modules M5-1, M5-5, M5-6, M5-8 – Calculation methods for the determination of air flow rates in buildings including infiltration  
Energijska svojstva zgrada – 7. dio: Ventilacija u zgradama – Moduli M5-1, M5-5, M5-6, M5-8 – Metode proračuna za određivanje protoka zraka u zgradama uključujući infiltraciju

prEN 16798-9 en  
Energy performance of buildings – Part 9: Ventilation for buildings – Module M4-1 – Calculation methods for energy requirements  
Calculation methods for energy requirements of cooling systems – General  
Energijska svojstva zgrada – 9. dio: Ventilacija u zgradama – Modul M4-1 – Metoda proračuna potrebne energije  
Metoda proračuna potrebne energije sustava hlađenja – Općenito

prEN 16798-13 en  
Energy performance of buildings – Part 13: Module M4-8 – Calculation of cooling systems – Generation  
Energijska svojstva zgrada – 13. dio: Modul M4-8 – Proračun sustava hlađenja – Općenito

prEN 16798-15 en  
Energy performance of buildings – Part 15: Module M4-7 – Calculation of cooling systems – Storage – General  
Energijska svojstva zgrada – 15. dio: Modul M4-7 – Proračun sustava hlađenja – Pohrana – Općenito

prEN 16798-17 en  
Energy performance of buildings – Part 17: Ventilation for buildings – Module M4-11, M5-11, M6-11, M7-11 – Guidelines for inspection of ventilation and air conditioning systems  
Energijska svojstva zgrada – 17. dio: Ventilacija u zgradama – Moduli M4-11, M5-11, M6-11, M7-11 – Smjernice za provjeru ventilacijskih i klimatizacijskih uređaja

prEN ISO 16890-1 en  
Air filters for general ventilation – Part 1: Technical specifications, requirements and efficiency classification system based upon Particulate Matter (PM) (ISO/DIS 16890-1:2014)  
Zračni filtri za opću ventilaciju --1. dio: Tehničke specifikacije, zahtjevi i sustav klasifikacije učinkovitosti baziran na čestici (PM) (ISO/DIS 16890-1:2014)

FprEN ISO 20361 rev en  
Liquid pumps and pump units – Noise test code – Grades 2 and 3 of accuracy (ISO/FDIS 20361)  
Pumpe i pumpne jedinice za kapljevine – Ispitno pravilo za buku – 2. i 3. razred točnosti (ISO/FDIS 20361)

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

prEN ISO 4759-3 en  
Tolerances for fasteners – Part 3: Washers for bolts, screws and nuts – Product grades A, C and F (ISO/DIS 4759-3:2014)  
Tolerancije spojnih elemenata – 3. dio: Podložne pločice za vijke i matice – Proizvodi razreda A, C i F (ISO/DIS 4759-3:2014)

prEN 15048-2 en  
Non-preloaded structural bolting assemblies – Part 2: Fitness for purpose  
Konstrukcijski vijčani spojevi bez predopterećenja – 2. dio: Prikladnost namjene

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

FprEN 12764 en  
Sanitary appliances – Specification for whirlpool baths  
Sanitarni uređaji – Specifikacija za vrtložne kade

FprEN 14296 en  
Sanitary appliances – Communal washing troughs  
Sanitarni uređaji – Zajednička korita za pranje

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

prEN ISO 10993-6 en  
Biological evaluation of medical devices – Part 6: Tests for local effects after implantation (ISO/DIS 10993-6:2014)  
Biološka procjena medicinskih proizvoda – 6. dio: Ispitivanja lokalnog djelovanja nakon implantacije (ISO/DIS 10993-6:2014)

prEN ISO 14644-14 en  
Cleanrooms and associated controlled environments – Part 14: Assessment of suitability for use of equipment by airborne particle concentration (ISO/DIS 14644-14)  
Čisti prostori i odgovarajući kontrolirani okoliš – 14. dio: Procjena prikladnosti opreme za uporabu u čistim prostorima određivanjem koncentracije čestica koje se prenose zrakom (ISO/DIS 14644-14)

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

EN ISO 12312-1:2013/prA1 en  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO 12312-1:2013/DAM 1:2014)  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2013/DAM 1:2014)

prEN ISO 20349-1 en  
Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 1: Requirements and test methods for protection against risks in foundries (ISO/DIS 20349-1:2014)  
Osobna zaštitna oprema – Obuća za zaštitu od rizika u ljevaonicama i pri zavarivanju – 1. dio: Zahtjevi i metode ispitivanja za zaštitu od rizika u ljevaonicama (ISO/DIS 20349-1:2014)

prEN ISO 20349-2 en  
Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO/DIS 20349-2:2014)  
Osobna zaštitna oprema – Obuća za zaštitu od rizika u ljevaonicama i pri zavarivanju – 2. dio: Zahtjevi i metode ispitivanja za zaštitu od rizika pri zavarivanju i srodnim procesima (ISO/DIS 20349-2:2014)

### **HZN/TO 557, *Zaštitna odjeća***

FprEN ISO 11612 en  
Protective clothing – Clothing to protect against heat and flame – Minimum performance requirements (ISO/FDIS 11612:2014)  
Zaštitna odjeća – Odjeća za zaštitu od topline i plamena – Minimalni zahtjevi za izvedbu (ISO/FDIS 11612:2014)

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

prEN ISO 105-G01:2014 en  
Textiles – Tests for colour fastness – Part G01: Colour fastness to nitrogen oxides (ISO/DIS 105-G01:2014)  
Tekstil – Ispitivanje postojanosti obojenja – Dio G01: Ispitivanje postojanosti obojenja na dušikove okside (ISO/DIS 105-G01:2014)

prEN ISO 2286-1:2014 en  
Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 1: Methods for determination of length, width and net mass (ISO/DIS 2286-1:2014)  
Plošni tekstil naslojen gumom ili plastikom – Određivanje svojstava namotka – 1. dio: Metode određivanja dužine, širine i mase (ISO/DIS 2286-1:2014)

prEN 16806-1 en  
Textiles and textile products – Textiles containing phase change materials (PCM) – Part 1: Determination of the heat storage and release capacity

prEN 16812 en  
Textiles and textile products – Electrically conductive textiles – Determination of the linear electrical resistance of conductive tracks

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

prEN ISO 19085-1 en  
Woodworking machines – Safety – Part 1: Common requirements (ISO/DIS 19085-1:2014)

prEN ISO 19085-2 en  
Woodworking machines – Safety – Part 2: Horizontal beam panel circular sawing machines (ISO/DIS 19085-2:2014)

prEN ISO 19085-3 en  
Woodworking machines – Safety requirements – Part 3: NC boring and routing machines (ISO/DIS 19085-3:2014)

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

FprEN 15430-1 en  
Winter and road service area maintenance equipment – Data acquisition and transmission – Part 1: In vehicle data acquisition  
Oprema za zimsku službu održavanja i službu održavanja cesta – Prikupljanje podataka i prijenos – 1. dio: Prikupljanje podataka u vozilu

FprEN 15436-2 en  
Road service area maintenance equipment – Part 2: Performance assessment  
Oprema za službu održavanja cesta – 2. dio: Ocjena izvedbe

FprEN 15436-3 en  
Road service area maintenance equipment – Part 3: Classification  
Oprema za održavanje cesta – 3. dio: Razredba

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

prEN ISO 11290-1:2014 en  
Microbiology of the food chain – Horizontal method for the detection and enumeration of *Listeria monocytogenes* and other *Listeria* spp. – Part 1: Detection method (ISO/DIS 11290-1:2014)  
Mikrobiologija lanca hrane – Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria* spp. – 1. dio: Metoda dokazivanja prisutnosti (ISO/DIS 11290-1:2014)

prEN ISO 11290-2:2014 en  
Microbiology of the food chain – Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. – Part 2: Enumeration method (ISO/DIS 11290-2:2014)  
Mikrobiologija lanca hrane – Horizontalna metoda za dokazivanje prisutnosti i određivanje broja *Listeria monocytogenes* i drugih *Listeria* spp. – 2. dio: Metoda određivanja broja (ISO/DIS 11290-2:2014)

prEN 16801 en  
Foodstuffs – Determination of elements and their chemical species – Determination of methylmercury by isotope dilution GC-ICPMS in foodstuffs of marine origin  
Hrana – Određivanje elemenata i njihovih kemijskih oblika – Određivanje metilžive izotopnim razređenjem GC-ICPMS u hrani morskog podrijetla

prEN 16802 en  
Foodstuffs – Determination of elements and their chemical species – Determination of inorganic arsenic in foodstuffs of marine and plant origin by anion-exchange HPLC-ICP-MS following waterbath extraction

Hrana – Određivanje elemenata i njihovih kemijskih oblika – Određivanje anorganskog arsena u hrani morskog i biljnog podrijetla primjenom anionskog izmjenjivača HPLC-ICP-MS

- prEN ISO 18465 en  
Microbiology of the food chain – Quantitative analysis of emetic toxin (cereulide) using LC-MS/MS (ISO/DIS 18465:2014)  
Mikrobiologija lanca hrane – Kvantitativno određivanje emetičkog toksina (cereulida) upotrebom LC-MS/MS (ISO/DIS 18465:2014)

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

- prEN 565 en  
Mountaineering equipment – Tape – Safety requirements and test methods  
Planinarska oprema – Trake – Sigurnosni zahtjevi i metode ispitivanja
- prEN 16804 en  
Diving equipment – Diving open heel fins – Requirements and test methods
- prEN 16805 en  
Diving equipment – Diving mask – Requirements and test methods

### **HZNTO E8, *Sustavski vidovi opskrbe električnom energijom***

- EN 50438:2007/FprI1:2014 en  
Requirements for the connection of micro-generators in parallel with public low-voltage distribution networks  
Zahtjevi za priključak mikrogenerators na javne niskonaponske distribucijske mreže
- EN 50438:2013/FprI1:2014 en  
Requirements for micro-generating plants to be connected in parallel with public low-voltage distribution networks  
Zahtjevi za priključak mikrogenerators paralelno na javne niskonaponske distribucijske mreže

### **HZNTO E9, *Električna oprema za željeznicu***

- FprEN 62625-2:2014 en  
Electronic railway equipment – On board driving data recording system – Part 2: Conformity testing (IEC 62625-2:201X)  
Elektronička oprema za željeznice – Sustav snimanja podataka o vožnji na vozilu – 2. dio: Ispitivanje sukladnosti (IEC 62625-2:201X)

### **HZNTO E15, *Čvrsti elektrotehnički izolacijski materijali***

- EN 60674-3-8:2011/FprA1:2014 en  
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation (IEC 60674-3-8:2011/am1:201X)  
Plastične folije za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 8. list: Folije od uravnoteženog dvoosno orijentiranog polietilen naftalata (PEN) za električnu izolaciju (IEC 60674-3-8:2011/am1:201X)

### **HZNTO E17, *Sklopni i upravljački uređaji***

- FprEN 60947-2:2014 en  
Low-voltage switchgear and controlgear – Part 2: Circuit-breakers (IEC 60947-2:201X)  
Niskonaponska sklopna aparatura – 2. dio: Prekidači (IEC 60947-2:201X)

### **HZNTO E22, *Energetska elektronika***

- EN 62477-1:2012/FprA1:2014 en  
Safety requirements for power electronic converter systems and equipment – Part 1: General (IEC 62477-1:2012/A1:201X)  
Zahtjevi na sigurnost sustava elektroničkih energetske pretvarača i opreme – 1. dio: Općenito (IEC 62477-1:2012/A1:201X)

### **HZNTO E23, *Električni instalacijski pribor***

- FprEN 60669-1:2014 en  
Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:201X)  
Sklopke za kućanstvo i slične fiksne električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:201X)
- EN 61242:1997/FprA2:2014 en  
Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995/A2:201X)  
Električni pribor – Namatalice kabela za kućanstvo i slične svrhe (IEC 61242:1995/A2:201X)
- FprEN 61914:2014 en  
Cable cleats for electrical installations (IEC 61914:201X)  
Kabelske obujmice za električne instalacije (IEC 61914:201X)

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

- prEN 1839 en  
Determination of explosion limits of gases and vapours and determination of the limiting oxygen concentration (LOC) for flammable gases and vapours  
Određivanje granica eksplozivnosti za plinove i pare i određivanje graničnih koncentracija kisika (GKK) zapaljivih plinova i para
- FprCEN/TR 16793 en  
Guide for the selection; application and use of flame arresters  
Vodič za odabir, postavljanje i uporabu prigušivača plamena
- prEN ISO 16852:2014 en  
Flame arresters – Performance requirements, test methods and limits for use (ISO/DIS 16852:2014)  
Prigušivači plamena – Zahtjevi za pogonska svojstva, metode ispitivanja i ograničenja za uporabu (ISO/DIS 16852:2014)
- prEN 50628:2014 en  
Erection of electrical installations in underground mines  
Montaža električnih instalacija u podzemnim rudnicima

### **HZNTO E34, *Žarulje, svjetiljke i pripadna oprema***

- FprEN 60968:2014/FprAA:2014 en  
Self-ballasted fluorescent lamps for general lighting services – Safety requirements  
Fluorescentne žarulje za opću rasvjetu s vlastitom predspojnom napravom – Sigurnosni zahtjevi

- FprEN 62717:2014/FprA1:2014 en  
LED modules for general lighting – Performance requirements (IEC 62717:201X/A1:201X)  
Moduli svjetlećih dioda za opću rasvjetu – Izvedbeni zahtjevi (IEC 62717:201X/A1:201X)
- FprEN 62776:2014/FprAA:2014 en  
Double-capped LED lamps designed to retrofit linear fluorescent lamps – Safety specifications  
Žarulje sa svjetlećim diodama s dva podnoška konstruirani za ugradnju na mjesto linearnih fluorescentnih cijevi – Sigurnosne specifikacije

### **HZN/TO E36, Izolatori**

- FprEN 50180-2:2014 en  
Bushings above 1 kV up to 52 kV and from 250 A to 3, 15 kA for liquid filled transformers – Part 2: Requirement for bushing components  
Provodni izolatori iznad 1 kV do 52 kV i od 250 A do 3,15 kA za transformatore punjene tekućinom - 2. dio: Zahtjevi za komponente provodnih izolatora
- FprEN 50180-3:2014 en  
Bushings above 1 kV up to 52 kV and from 250 A to 3, 15 kA for liquid filled transformers – Part 3: Requirements for bushing fixations  
Provodni izolatori iznad 1 kV do 52 kV i od 250 A do 3,15 kA za transformatore punjene tekućinom - 3. dio: Zahtjevi za učvršćenja provodnih izolatora

### **HZN/TO E45, Nuklearna instrumentacija**

- prEN 62484 en  
Radiation protection instrumentation – Spectroscopy-based portal monitors used for the detection and identification of illicit trafficking of radioactive material (IEC 62484:2010)
- prEN 62533 en  
Radiation protection instrumentation – Highly sensitive hand-held instruments for photon detection of radioactive material (IEC 62533:2010)
- prEN 62534 en  
Radiation protection instrumentation – Highly sensitive hand-held instruments for neutron detection of radioactive material (IEC 62534:2010)
- prEN 62618 en  
Radiation protection instrumentation – Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material (IEC 62618:2013)

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

- prEN 50193-2-1:2014 en  
Electric instantaneous water heaters – Part 2-1: Methods for measuring the performance – Multifunctional electric instantaneous water heaters

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

- EN 60335-2-13:2010/FprA1:2014 en  
Household and similar electrical appliances – Safety – Part 2-13: Particular requirements for deep fat fryers, frying pans and similar appliances (IEC 60335-2-13:2009/A1:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-13: Posebni zahtjevi za friteze, tave za prženje i slične aparate (IEC 60335-2-13:2009/A1:201X)
- EN 60335-2-17:2013/FprA1:2014 en  
Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances (IEC 60335-2-17:2012/A1:201X)

Kućanski i slični električni aparati – Sigurnost – Dio 2-17: Posebni zahtjevi za grijače pokrivače, jastuke i slične gibljive grijače aparate (IEC 60335-2-17:2012/A1:201X)

- EN 60335-2-25:2012/FprA2:2014 en  
Household and similar appliances – Safety – Part 2-25: Particular requirements for microwave ovens, including combination microwave ovens (IEC 60335-2-25:2010/A2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-25: Posebni zahtjevi za mikrovalne pećnice, uključujući i složene mikrovalne pećnice (IEC 60335-2-25:2010/A2:201X)
- EN 60335-2-67:2012/FprA1:2014 en  
Household and similar electrical appliances – Safety – Part 2-67: Particular requirements for floor treatment machines for commercial use (IEC 60335-2-67:2012/A1:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-67: Posebni zahtjevi za strojeve za obradu podova za komercijalnu uporabu (IEC 60335-2-67:2012/A1:201X)
- EN 60335-2-7:2010/FprA2:2014 en  
Household and similar electrical appliances – Safety – Part 2-7: Particular requirements for washing machines (IEC 60335-2-7:2008/A2:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-7: Posebni zahtjevi za perilice rublja (IEC 60335-2-7:2008/A2:201X)
- EN 60335-2-72:2012/FprA1:2014 en  
Household and similar electrical appliances – Safety – Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use (IEC 60335-2-72:2012/A1:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-72: Posebni zahtjevi za strojeve za obradu poda sa ili bez vlastitog pogona za komercijalnu uporabu (IEC 60335-2-72:2012/A1:201X)
- FprEN 60335-2-90:2014 en  
Household and similar appliances – Safety – Part 2-90: Particular requirements for commercial microwave ovens (IEC 60335-2-90:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-90: Posebni zahtjevi za ugostiteljske mikrovalne pećnice (IEC 60335-2-90:201X)
- FprEN 60335-2-97:2014 en  
Household and similar electrical appliances – Safety – Part 2-97: Particular requirements for drives for rolling shutters, awnings, blinds and similar equipment (IEC 60335-2-97:201X)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-97: Posebni zahtjevi pogona za rebrenice, platnene zaslone, zaštitne zavjese i slične naprave (IEC 60335-2-97:201X)
- EN 61770:2009/FprA1:2014 en  
Electric appliances connected to the water mains – Avoidance of backsiphonage and failure of hose-sets (IEC 61770:2008/A1:201X)  
Električni aparati spojeni na vodovod – Izbjegavanje povratnog usisa i otkazivanja cijevnoga priključka (IEC 61770:2008/A1:201X)

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

- HD 60364-5-551:2010/prAA:2014 en  
Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets  
Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradnja električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori



FprHD 60364-7-722:2014/FprAA en  
Low-voltage electrical installations – Part 7-722:  
Requirements for special installations or locations –  
Supply of electric vehicle  
Niskonaponske električne instalacije – Dio 7-722:  
Zahtjevi za posebne instalacije ili prostore – Opskrba  
električnog vozila

FprEN 61140:2014 en  
Protection against electric shock – Common aspects  
for installation and equipment (IEC 61140:201X)  
Zaštita od električnog udara – Zajednička gledišta  
na instalaciju i opremu (IEC 61140:201X)

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

FprEN 61162-460:2014 en  
Maritime navigation and radiocommunication  
equipment and systems – Digital interfaces –  
Part 460: Multiple talkers and multiple listeners –  
Ethernet interconnection – Safety and security  
(IEC 61162-460:201X)  
Pomorska navigacijska i radiokomunikacijska  
oprema i sustavi – Digitalno sučelje – 460. dio: Više  
govornika i više slušatelja – Ethernet povezivanje –  
Sigurnost i zaštita (IEC 61162-460:201X)

### **HZN/TO E81, Zaštita od munje**

FprEN 62858:2014 en  
Lightning density based on lightning location  
systems – General principles (IEC 62858:201X)

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

FprEN 60051-1:2014 en  
Direct acting indicating analogue electrical  
measuring instruments and their accessories –  
Part 1: Definitions and general requirements  
common to all parts – Proposed Horizontal Standard  
(IEC 60051-1:201X)  
Pokazni analogni električni mjerni instrumenti  
s izravnim djelovanjem i njihov pribor – 1. dio:  
Definicije i opći zahtjevi zajednički svim dijelovima  
(IEC 60051-1:201X)

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

FprEN 62760:2014 en  
Audio reproduction method for normalized loudness  
level (IEC 62760:201X)  
Metoda reprodukcije zvučnog signala za normiranu  
glasnoću (IEC 62760:201X)

FprEN 62777:2014 en  
Quality Evaluation Method for the Sound Field of  
Directional Loudspeaker Array System  
(IEC 62777:201X)  
Metoda provjere kvalitete zvučnog polja usmjerenog  
zvučničkog niza (IEC 62777:201X)

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

FprEN 55014-2:2014 en  
Electromagnetic compatibility – Requirements for  
household appliances, electric tools and similar  
apparatus – Part 2: Immunity – Product family  
standard (CISPR 14-2)  
Elektromagnetska kompatibilnost – Zahtjevi za  
kućanske uređaje, električne alate i slične uređaje  
– 2. dio: Otpornost – Norma porodice proizvoda  
(CISPR 14-2)

EN 55015:2013/FprA1:2014 (fragment 1) en  
Limits and methods of measurement of radio  
disturbance characteristics of electrical lighting  
and similar equipment (CISPR 15:2013/am1:201X  
(fragment 1))  
Granice i metode mjerenja značajka radiosmetnja  
električnih rasvjetnih i sličnih uređaja  
(CISPR 15:2013/am1:201X (fragment 1))

EN 55015:2013/FprA1:2014 (fragment 2) en  
Limits and methods of measurement of radio  
disturbance characteristics of electrical lighting  
and similar equipment (CISPR 15:2013/am1:201X  
(fragment 2))  
Granice i metode mjerenja značajka radiosmetnja  
električnih rasvjetnih i sličnih uređaja  
(CISPR 15:2013/am1:201X (fragment 2))

EN 55015:2013/FprA1:2014 (fragment 3) en  
Limits and methods of measurement of radio  
disturbance characteristics of electrical lighting  
and similar equipment (CISPR 15:2013/am1:201X  
(fragment 3); EN 55015:2013/FprA1:2014  
(fragment 3))  
Granice i metode mjerenja značajka radiosmetnja  
električnih rasvjetnih i sličnih uređaja  
(CISPR 15:2013/am1:201X (fragment 3))

### **HZN/TO E501, Elektroakustika i ultrazvuk**

FprEN 61669:2014 en  
Electroacoustics – Measurement of real-ear  
acoustical performance characteristics of hearing  
aids  
Elektroakustika – Mjerenje na ljudskom uhu  
akustičkih radnih karakteristika slušnih pomagala

### **HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme**

CLC/FprTR 50174-99-1:2014 en  
Information technology – Cabling installation –  
Part 99-1: Remote powering  
Informacijska tehnologija – Instalacija kabliranja –  
Dio 99-1: Daljinsko napajanje

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

ISO/IEC 10179:1996/Amd 2:2005 en  
Information technology – Processing languages  
– Document Style Semantics and Specification  
Language (DSSSL) – Amendment 2: Extensions to  
multilingual and complicated document styles  
Informacijska tehnologija – Jezici za obradu –  
Jezik značenja i opisa stila dokumenta (DSSSL)  
– Amandman 2: Proširenje na višejezičje i složene  
stilove dokumenta

ISO/IEC 10967-1:2012 en  
Information technology – Language independent  
arithmetic – Part 1: Integer and floating point  
arithmetic  
Informacijska tehnologija – Aritmetika neovisna o  
jeziku – 1. dio: Cjelobrojna aritmetika i aritmetika  
pomičnoga zareza

ISO/IEC 18031:2011+Cor 1:2014 en  
Information technology – Security techniques –  
Random bit generation  
Informacijska tehnologija – Sigurnosne tehnike –  
Stvaranje slučajnoga bita

ISO/IEC 18045:2008 en  
Information technology – Security techniques –  
Methodology for IT security evaluation  
Informacijska tehnologija – Sigurnosne tehnike –  
Metodologija za vrednovanje sigurnosti IT-a

- ISO/IEC 25040:2011 en  
Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Evaluation process  
Sistemska i programsko inženjerstvo – Zahtjevi na kvalitetu i vrednovanje sistema i programa – Postupak vrednovanja
- ISO/IEC 26300:2006/Amd 1:2012 en  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 – Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1  
Informacijska tehnologija – Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.0 – Amandman 1: Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.1
- ISO/IEC 26300:2006/Amd 1:2012/Cor 1:2014 en  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 – Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1  
Informacijska tehnologija – Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.0 – Amandman 1: Otvoreni format dokumenta za uredsku primjenu (OpenDocument) v1.1
- ISO/IEC/IEEE 26512:2011 en  
Systems and software engineering – Requirements for acquirers and suppliers of user documentation  
Sistemska i programsko inženjerstvo – Zahtjevi na preuzimatelje i isporučitelje korisničke dokumentacije
- ISO/IEC 27002:2013+Cor 1:2014 en  
Information technology – Security techniques – Code of practice for information security controls  
Informacijska tehnologija – Sigurnosne tehnike – Kodeks postupaka za upravljanje informacijskom sigurnošću
- ISO/IEC 27005:2011 en  
Information technology – Security techniques – Information security risk management  
Informacijska tehnologija – Sigurnosne tehnike – Upravljanje rizikom informacijske sigurnosti
- ISO/IEC 27033-4:2014 en  
Information technology – Security techniques – Network security – Part 4: Securing communications between networks using security gateways  
Informacijska tehnologija – Sigurnosne tehnike – Sigurnost mreže IT-a – 4. dio: Osiguravanje komunikacije između mreža upotrebom sigurnosnih pristupnika
- ISO/IEC 27033-5:2013 en  
Information technology – Security techniques – Network security – Part 5: Securing communications across networks using Virtual Private Networks (VPNs)  
Informacijska tehnologija – Sigurnosne tehnike – Sigurnost mreže IT-a – 5. dio: Osiguravanje komunikacije u mreži upotrebom virtualnih privatnih mreža (VPN-ova)
- FprCEN/TS 419261 en  
Security requirements for trustworthy systems managing certificates for electronic signatures  
Sigurnosni zahtjevi za pouzdane sustave upravljanja certifikatima za elektronički potpis

## **HZNTU B1, Graditeljstvo 1**

- prEN 14716 en  
Stretched ceilings – Requirements and test methods  
Rastezljivi stropovi – Zahtjevi i metode ispitivanja

## **HZNTU I2, Strojstvo 2**

- prEN ISO 22975-1:2014 en  
Solar energy – Collector components and materials – Part 1: Evacuated tubes – Durability and performance (ISO/DIS 22975-1:2014)  
Sunčeva energija – Komponente i materijali za kolektore – 1. dio: Vakuumske cijevi – Postojanost i značajke (ISO/DIS 22975-1:2014)
- prEN ISO 22975-2:2014 en  
Solar energy – Collector components and materials – Part 2: Heat-pipe for solar thermal application – Durability and performance (ISO/DIS 22975-2:2014)  
Sunčeva energija – Komponente i materijali za kolektore – 3. dio: Toplinske cijevi za primjenu kod Sunčeva zračenja – Postojanost površine apsorbera (ISO 22975-3:2014)

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

- prEN ISO 3964 rev en  
Dentistry – Coupling dimensions for handpiece connectors (ISO/DIS 3964:2014)  
Stomatologija – Dimenzije spojnice za stomatološke nastavke (ISO/DIS 3964:2014)
- prEN ISO 6009 en  
Hypodermic needles for single use – Colour coding for identification (ISO/DIS 6009:2014)  
Igle za potkožnu injekciju za jednokratnu upotrebu – Obilježavanje bojom radi identifikacije (ISO/DIS 6009:2014)
- prEN ISO 8362-5 en  
Injection containers and accessories – Part 5: Freeze drying closures for injection vials (ISO/DIS 8362-5:2014)
- prEN ISO 14801 rev en  
Dentistry – Implants – Dynamic fatigue test for endosseous dental implants (ISO/DIS 14801:2014)  
Stomatologija – Implantati – Dinamičko ispitivanje zamora endosalnih zubnih implantata (ISO/DIS 14801:2014)

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

- prEN 1459-1 en  
Rough-terrain trucks – Safety requirements and verification – Part 1: Variable-reach trucks
- prEN 16796-1 en  
Energy efficiency of industrial trucks – Test methods – Part 1: General
- prEN 16796-2 en  
Energy efficiency of Industrial trucks – Test methods – Part 2: Operator controlled self-propelled trucks, towing tractors and burden-carrier trucks
- prEN 16796-3 en  
Energy efficiency of Industrial trucks – Test methods – Part 3: Container handling lift trucks
- prEN 16803-1 en  
Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1: Definitions and system engineering procedures for the establishment and assessment of performances
- prEN 16803-1 en  
Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1: Definitions and system engineering procedures for the establishment and assessment of performances

## HZNTU U1, *Opća elektrotehnika 1*

- FprEN 50625-2-2 en  
Collection, logistics & Treatment requirements for WEEE – Part 2-2: Treatment requirements for WEEE containing CRTs and flat panel displays  
Zahtjevi za prikupljanje, logistika i obradu otpadne električne i elektroničke opreme (WEEE) – Dio 2-2: Zahtjevi za obradu otpadne električne i elektroničke opreme (WEEE) koja sadrži katodne cijevi (CRT) i ravne ekrane
- FprEN 60404-5:2014 en  
Magnetic materials – Part 5: Permanent magnet (magnetically hard) materials – Methods of measurement of magnetic properties (IEC 60404-5:201X)  
Magnetski materijali – 5. dio: Permanentni magnetski (magnetski tvrdi) materijali – Mjerne metode magnetskih svojstava (IEC 60404-5:201X)
- FprEN 60404-8-1:2014 en  
Magnetic materials – Part 8-1: Specifications for individual materials – Magnetically hard materials (IEC 60404-8-1:201X)  
Magnetski materijali – Dio 8-1: Specifikacija za pojedinačne materijale – Magnetski tvrdi materijali (IEC 60404-8-1:201X)
- FprEN 60695-1-20:2014 en  
Fire hazard testing – Part 1-20: Guidance for assessing the fire hazard of electrotechnical products – Ignitability – General guidance  
Ispitivanje opasnosti od požara – Dio 1-20: Upute za procjenu opasnost od požara za elektrotehničke proizvode – Zapaljivost – Opće upute (FprEN 60695-1-20:2014)

## HZNTU V1, *Elektronika 1*

- prEN 45544-4:2014 en  
Workplace atmospheres – Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours – Part 4: Guide for selection, installation, use and maintenance
- FprEN 50090-4-3:2014 en  
Home and Building Electronic Systems (HBES) – Part 4-3: Media independent layers – Communication over IP (EN 13321-2)
- EN 60115-1:2011/FprAA:2014 en  
Fixed resistors for use in electronic equipment – Part 1: Generic specification
- FprEN 60115-8-1:2014/FprAA:2014 en  
Fixed resistors for use in electronic equipment – Part 8-1: Blank detail specification: Fixed surface mount (SMD) low power film resistors for general electronic equipment, classification level G
- FprEN 60401-3:2014 en  
Terms and nomenclature for cores made of magnetically soft ferrites – Part 3: Guidelines on the format of data appearing in manufacturers' catalogues of transformer and inductor cores
- FprEN 60424-1:2014 en  
Ferrite cores – Guidelines on the limits of surface irregularities – Part 1: General Specification (IEC 60424-1:201X)
- FprEN 60424-2:2014 en  
Ferrite cores – Guidelines on the limits of surface irregularities – Part 2: RM-cores (IEC 60424-2:201X)
- FprEN 60424-4:2014 en  
Ferrite cores – Guidelines on the limits of surface irregularities – Part 4: Ring-cores (IEC 60424-4:201X)

- FprEN 60424-8:2014 en  
Ferrite cores – Guidelines on the limits of surface irregularities – Part 8: PQ-cores (IEC 60424-8:201X)
- FprEN 60603-7-81:2014 en  
Connectors for electronic equipment – Part 7-81: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 2 000 mhz (IEC 60603-7-81:201X)
- FprEN 60793-2-10:2014 en  
Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibre (IEC 60793-2-10:201X)
- FprEN 60904-3:2014 en  
Photovoltaic devices – Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data (IEC 60904-3:201X)
- FprEN 60966-2-6:2014 en  
Cable assemblies – Part 2-6: Detail specification for cable assemblies for radio and TV receivers – Frequency range 0 MHz to 3 000 MHz, IEC 61169-24 connectors
- FprEN 61010-2-020:2014 en  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-020: Particular requirements for laboratory centrifuges (IEC 61010-2-020:201X)  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-020: Posebni zahtjevi za laboratorijske centrifuge (IEC 61010-2-020:201X)
- FprEN 61189-3-913:2014 en  
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 3-913: Test method for thermal conductivity of printed circuit board for high-brightness LEDs (IEC 61189-3-913:201X)
- FprEN 61754-4-100:2014 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 4-100: Type SC connector family – Simplified receptacle SC-PC connector interfaces (IEC 61754-4-100:201X)
- FprEN 61754-6-100:2014 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 6-100: Type MU connector family – Simplified receptacle MU-PC connector interfaces (IEC 61754-6-100:201X)
- prEN 62047-26 en  
Semiconductor devices – Micro-electromechanical devices – Part 26: Description and measurement methods for micro trench and needle structures (IEC 62047-26:201X)
- FprEN 62317-6:2014 en  
Ferrite cores – Dimensions – Part 6: ETD-cores for use in power supplies (IEC 62317-6:201X)
- FprEN 62317-11:2014 en  
Ferrite cores – Dimensions – Part 11: EC-cores for use in power supply applications (IEC 62317-11:201X)
- EN 62333-2:2006/FprA1:2014 en  
Noise suppression sheet for digital devices and equipment – Part 2: Measuring method (IEC 62333-2:2006/A1:201X)
- FprEN 62788-1-2:2014 en  
Measurement procedures for materials used in photovoltaic modules – Part 1-2: Encapsulants – Measurement of volume resistivity of photovoltaic encapsulation and backsheet materials (IEC 62788-1-2:201X)

FprEN 62870:2014 en  
Electrical installations for lighting and beaconing of  
aerodromes – Safety secondary circuits in series  
circuits – General safety requirements  
(IEC 62870:201X)

Irrigation of overground tanks for storage of  
combustible fluids in case of fire (DIN 14495:1977)  
- bez zamjene

## 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.

### HZNTO 8, *Brodogradnja*

- HRN ISO/TR 4558:2004 en  
Mala plovila – Pritezač za nehrđajuće čelično užje –  
Glavne izmjere viljuške, zatika i oka  
(ISO/TR 4558:1985)  
Small craft – Rigging screws for stainless steel wire  
rope – Principal dimensions for forks, connection  
pins and eye-holes (ISO/TR 4558:1985)  
- bez zamjene
- HRN ISO/TR 5987:2004 en  
Unutarnja plovidba – Sustav gašenja vodom –  
Spojke vatrogasnih crijeva – Opći tehnički zahtjevi  
(ISO/TR 5987:1984)  
Inland navigation – Water fire-fighting system  
– Couplings of fire hoses – General technical  
requirements (ISO/TR 5987:1984)  
- bez zamjene
- HRN ISO/TR 6065:2003 en  
Brodogradnja i pomorske konstrukcije – Napuhujuće  
splavi za spašavanje – Materijali  
(ISO/TR 6065:1991)  
Shipbuilding and marine structures – Inflatable  
liferrafts – Materials (ISO/TR 6065:1991)  
- bez zamjene
- HRN ISO 7460:2004 en  
Brodogradnja – Brodske linije – Označivanje  
geometrijskih veličina (ISO 7460:1983)  
Shipbuilding – Shiplines – Identification of geometric  
data (ISO 7460:1983)  
- bez zamjene
- HRN ISO 8193:2001 en  
Brodogradnja – Podaci o vanjskoj oplati  
(ISO 8193:1984)  
Shipbuilding – Shell plating information  
(ISO 8193:1984)  
- bez zamjene
- HRN ISO/TR 13298:2001 en  
Brodovi i pomorske tehnologije – Rječnik općih  
pojmovi (ISO/TR 13298:1998)  
Ships and marine technology – Vocabulary of  
general terms (ISO/TR 13298:1998)  
- bez zamjene

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

- HRN DIN 14494:1998 de  
Uređaji za gašenje raspršenom vodom – Stabilni, s  
otvorenim sapnicama (DIN 14494:1979)  
Water spray systems, fixed, with open nozzles  
(DIN 14494:1979)  
- bez zamjene
- HRN DIN 14495:1998 de  
Poprskavanje nadzemnih spremnika za  
usklađivanje zapaljivih tekućina u slučaju požara  
(DIN 14495:1977)

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

- HRN EN 836:2012 en  
Oprema za vrtove i parkove – Motorne kosilice trave  
– Sigurnost (EN 836:1997+A4:2011)  
Garden equipment – Powered lawnmowers – Safety  
(EN 836:1997+A4:2011)  
- zamijenjena s: HRN EN ISO 5395-1:2014,  
HRN EN ISO 5395-2:2013,  
HRN EN ISO 5395-3:2014

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

- HRN EN ISO 10370:1997 en  
Naftni proizvodi – Određivanje koksnog ostatka –  
Mikrometoda (ISO 10370:1993;  
EN ISO 10370:1995)  
Petroleum products – Determination of carbon  
residue – Micro method (ISO 10370:1993;  
EN ISO 10370:1995)  
- zamijenjena s: HRN EN ISO 10370:2014
- HRN EN 15195:2008 en  
Tekući naftni proizvodi – Određivanje kašnjenja  
paljenja i izračunavanje cetanskog broja (DCN)  
srednje destilatnih goriva izgaranjem u komori  
konstantnog obujma (EN 15195:2007)  
Liquid petroleum products – Determination of ignition  
delay and derived cetane number (DCN) of middle  
distillate fuels by combustion in a constant volume  
chamber (EN 15195:2007)  
- zamijenjena s: HRN EN 15195:2014
- HRN EN 15376:2011 en  
Goriva za motorna vozila – Etanol kao komponenta  
za namješavanje u benzin – Zahtjevi i metode  
ispitivanja (EN 15376:2011)  
Automotive fuels – Ethanol as a blending component  
for petrol – Requirements and test methods  
EN 15376:2011)  
- zamijenjena s: HRN EN 15376:2014

### HZNTO 35, *Boje i lakovi*

- HRN EN 927-2:2007 en  
Boje i lakovi – Premazna sredstva i premazni sustavi  
za drvo u vanjskim prostorima – 2. dio: Specifikacija  
svojstava (EN 927-2:2006)  
Paints and varnishes – Coating materials and  
coating systems for exterior wood – Part 2:  
Performance specification (EN 927-2:2006)  
- zamijenjena s: HRN EN 927-2:2014
- HRN EN ISO 2813:2004 en  
Boje i lakovi – Određivanje sjaja nemetalnih prevlaka  
pri 20 stupnjeva, 60 stupnjeva i 85 stupnjeva  
(ISO 2813:1994+Cor 1:1997; EN ISO 2813:1999)  
Paints and varnishes – Determination of specular  
gloss of non-metallic paint films at 20 degrees, 60  
degrees and 85 degrees  
(ISO 2813:1994+Cor 1:1997; EN ISO 2813:1999)  
- zamijenjena s: HRN EN ISO 2813:2014
- HRN EN ISO 4618:2008 en,fr,de  
Boje i lakovi – Nazivi i definicije (ISO 4618:2006;  
EN ISO 4618:2006)  
Paints and varnishes – Terms and definitions  
(ISO 4618:2006; EN ISO 4618:2006)  
- zamijenjena s: HRN EN ISO 4618:2014



- HRN EN 13523-4:2002 en  
Metali zaštićeni trakom – Metode ispitivanja – 4. dio:  
Tvrdoća ispitana olovkom (EN 13523-4:2001)  
Coil coated metals – Test methods – Part 4: Pencil  
hardness (EN 13523-4:2001)  
- zamijenjena s: HRN EN 13523-4:2014
- HRN EN ISO 13803:2005 en  
Boje i lakovi – Određivanje zamućenosti refleksije  
na filmovima boje pri 20 stupnjeva (ISO 13803:2000;  
EN ISO 13803:2004)  
Paints and varnishes – Determination of reflection  
haze on paint films at 20 degrees (ISO 13803:2000;  
EN ISO 13803:2004)  
- zamijenjena s: HRN EN ISO 13803:2014
- HRN EN 15457:2008 en  
Boje i lakovi – Laboratorijska metoda za ispitivanje  
djelotvornosti zaštitnih sredstava protiv gljiva na  
filmu prekrivnog materijala (EN 15457:2007)  
Paints and varnishes – Laboratory method for  
testing the efficacy of film preservatives in a coating  
against fungi (EN 15457:2007)  
- zamijenjena s: HRN EN 15457:2014
- HRN EN 15458:2008 en  
Boje i lakovi – Laboratorijska metoda za ispitivanje  
djelotvornosti zaštitnih sredstava protiv algi na filmu  
prekrivnog materijala (EN 15458:2007)  
Paints and varnishes – Laboratory method for  
testing the efficacy of film preservatives in a coating  
against algae (EN 15458:2007)  
- zamijenjena s: HRN EN 15458:2014

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

- HRN ISO 817:2009 en  
Radne tvari – Sustav označavanja (ISO 817:2005)  
Refrigerants – Designation system (ISO 817:2005)  
- zamijenjena s: HRN ISO 817:2014

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

- HRN EN 327:2004 en  
Izmjenjivači topline – Kondenzatori hlađeni prisilnom  
konvekcijom zraka – Postupak ispitivanja za  
određivanje radnih značajka  
(EN 327:2000+A1:2002)  
Heat exchangers – Forced convection air cooled  
refrigerant condensators – Test procedure for  
establishing performance (EN 327:2000+A1:2002)  
- zamijenjena s: HRN EN 327:2014
- HRN EN 328:2004 en  
Izmjenjivači topline – Postupci ispitivanja za  
određivanje kriterija učinka hladnjaka prisilnom  
konvekcijom zraka (EN 328:1999+A1:2002)  
Heat exchangers – Test procedures for establishing  
the performance of forced convection unit air coolers  
for refrigeration (EN 328:1999+A1:2002)  
- zamijenjena s: HRN EN 328:2014
- HRN EN 1048:2004 en  
Izmjenjivači topline – Hladnjaci tekućine "suhi  
rashladni tornjevi" hlađeni prisilnom konvekcijom  
zraka – Postupak ispitivanja za određivanje radnih  
značajka (EN 1048:1998)  
Heat exchangers – Air-cooled liquid coolers "dry  
coolers" – Test procedure for establishing the  
performance (EN 1048:1998)  
- zamijenjena s: HRN EN 1048:2014

### **HZN/TO 130, Grafička tehnologija**

- HRN ISO 12637-5:2008 en  
Grafička tehnologija – Višejezično nazivlje u  
tiskarstvu – 5. dio: Nazivlje za sitotisk  
(ISO 12637-5:2001)  
Graphic technology – Multilingual terminology of  
printing arts – Part 5: Screen printing terms  
(ISO 12637-5:2001)  
- zamijenjena s: HRN ISO 12637-3:2014
- HRN ISO 12643-1:2008 en  
Grafička tehnologija – Sigurnosni zahtjevi za  
grafičku opremu i sustave – 1. dio: Opći zahtjevi  
(ISO 12643-1:2007)  
Graphic technology – Safety requirements for  
graphic technology equipment and systems – Part 1:  
General requirements (ISO 12643-1:2007)  
- zamijenjena s: HRN ISO 12643-1:2014
- HRN ISO 12643-2:2008 en  
Grafička tehnologija – Sigurnosni zahtjevi za  
grafičku opremu i sustave – 2. dio: Oprema i sustavi  
za tisak (ISO 12643-2:2007)  
Graphic technology – Safety requirements for  
graphic technology equipment and systems – Part 2:  
Press equipment and systems (ISO 12643-2:2007)  
- zamijenjena s: HRN ISO 12643-2:2014
- HRN ISO 12647-6:2008 en  
Grafička tehnologija – Kontrola postupaka za  
kontrolu rasterskih izvadaka, probnog i proizvodnog  
otiska – 6. dio: Flekso tisak (ISO 12647-6:2006)  
Graphic technology – Process control for the  
manufacture of half-tone colour separations, proof  
and production prints – Part 6: Flexographic printing  
(ISO 12647-6:2006)  
- zamijenjena s: HRN ISO 12647-6:2014

### **HZN/TO 135, Nerazorna ispitivanja**

- HRN EN 473:2008 en  
Nerazorno ispitivanje – Kvalifikacija i potvrđivanje  
NDT-osoblja – Opća načela (EN 473:2008)  
Non destructive testing – Qualification and  
certification of NDT personnel – General principles  
(EN 473:2008)  
- zamijenjena s: HRN EN ISO 9712:2012

### **HZN/TO 146, Kvaliteta zraka**

- HRN EN 14181:2007 en  
Emisije iz stacionarnih izvora – Osiguranje kvalitete  
rada automatskih mjernih sustava (EN 14181:2004)  
Stationary source emissions – Quality assurance of  
automated measuring systems (EN 14181:2004)  
- zamijenjena s: HRN EN 14181:2014

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

- HRN EN ISO 11978:2008 en  
Oftalmološka optika – Kontaktna leća i proizvodi za  
održavanje kontaktnih leća – Informacije koje daje  
proizvođač (ISO 11978:2000; EN ISO 11978:2000)  
Ophthalmic optics – Contact lenses and contact  
lens care products – Information supplied by the  
manufacturer (ISO 11978:2000;  
EN ISO 11978:2000)  
- zamijenjena s: HRN EN ISO 11978:2014
- HRN EN ISO 11979-6:2008 en  
Oftalmološki implantanti – Intraokularne leće – 6. dio:  
Spremnik za leće i stabilnost transporta  
(ISO 11979-6:2007; EN ISO 11979-6:2007)  
Ophthalmic implants – Intraocular lenses – Part 6:  
Shelf-life and transport stability (ISO 11979-6:2007;  
EN ISO 11979-6:2007)  
- zamijenjena s: HRN EN ISO 11979-6:2014

HRN EN ISO 11985:2008 en  
Oftalmološka optika – Kontaktne leće – Starenje pri izlaganju UV i vidljivom zračenju (metoda „in vitro”) (ISO 11985:1997; EN ISO 11985:1997)  
Ophthalmic optics – Contact lenses – Ageing by exposure to UV and visible radiation (in vitro method) (ISO 11985:1997; EN ISO 11985:1997)  
- bez zamjene

HRN ISO 12858-1:2004 en  
Optika i optički instrumenti – Pomoćni uređaji za geodetske uređaje – 1. dio: Invarске nivelmanske letve (ISO 12858-1:1999)  
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 1: Invar levelling staffs (ISO 12858-1:1999)  
- zamijenjena s: HRN ISO 12858-1:2014

HRN EN ISO 12864:2008 en  
Oftalmološka optika – Kontaktne leće – Određivanje raspršene svjetlosti (ISO 12864:1997; EN ISO 12864:1997)  
Ophthalmic optics – Contact lenses – Determination of scattered light (ISO 12864:1997; EN ISO 12864:1997)  
- bez zamjene

HRN EN ISO 12870:2013 en  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2012; EN ISO 12870:2012)  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2012; EN ISO 12870:2012)  
- zamijenjena s: HRN EN ISO 12870:2014

HRN EN ISO 14730:2008 en  
Oftalmološka optika – Proizvodi za održavanje kontaktnih leća – Ispitivanje djelotvornosti antimikrobne zaštite i smjernice za određivanje vremena prestanka djelovanja (ISO 14730:2000; EN ISO 14730:2000+AC:2001)  
Ophthalmic optics – Contact lens care products – Antimicrobial preservative efficacy testing and guidance on determining discard date (ISO 14730:2000; EN ISO 14730:2000+AC:2001)  
- zamijenjena s: HRN EN ISO 14730:2014

HRN ISO 17123-1:2011 en  
Optika i optički instrumenti – Terenski postupci za ispitivanje geodetskih instrumenata i instrumenata za izmjere – 1. dio: Teorija (ISO 17123-1:2010)  
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 1: Theory (ISO 17123-1:2010)  
- zamijenjena s: HRN ISO 17123-1:2014

#### **HZN/TO 184, Sustavi industrijske automatizacije i integracija**

HRN ISO 13584-42:2010 en  
Industrijski sustavi automatizacije i integracija – Knjižnica dijelova – 42. dio: Metodologija opisa: metodologija strukturiranja familija dijelova (ISO 13584-42:1998+Cor 1:2003)  
Industrial automation systems and integration – Parts library – Part 42: Description methodology: Methodology for structuring part families (ISO 13584-42:1998+Cor 1:2003)  
- zamijenjena s: HRN ISO 13584-42:2014

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

HRN EN 73:2008 en  
Sredstva za zaštitu drva – Ubrzano starenje tretiranog drva prije biološkog testiranja – Postupak evaporativnog starenja (EN 73:1988)

Wood preservatives – Accelerated ageing of treated wood prior to biological testing – Evaporative ageing procedure (EN 73:1988)  
- zamijenjena s: HRN EN 73:2014

HRN EN 252:2008 en  
Terenska metoda ispitivanja za određivanje relativne učinkovitosti zaštite sredstva za zaštitu drva u dodiru s tlom (EN 252:1989+AC1:1989)  
Field test method for determining the relative protective effectiveness of a wood preservative in ground contact (EN 252:1989+AC1:1989)  
- zamijenjena s: HRN EN 252:2014

HRN EN 330:2008 en  
Sredstva za zaštitu drva – Terenska metoda ispitivanja za određivanje relativne učinkovitosti zaštite sredstava za zaštitu drva ispod premaza, a koje nije u dodiru s tlom: metoda L-spoja (EN 330:1993)  
Wood preservatives – Field test method for determining the relative protective effectiveness of a wood preservative for use under a coating and exposed out of ground contact: L-joint method (EN 330:1993)  
- zamijenjena s: HRN EN 330:2014

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

HRN EN 10217-7:2006 en  
Zavarene čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 7. dio: Cijevi od nehrđajućih čelika (EN 10217-7:2005)  
Welded steel tubes for pressure purposes – Technical delivery conditions – Part 7: Stainless steel tubes (EN 10217-7:2005)  
- zamijenjena s: HRN EN 10217-7:2014

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

HRN ISO 6145-2:2002 en  
Analiza plina – Priprava plinskih smjesa za umjeravanje primjenom dinamičkih volumetrijskih metoda – 2. dio: Volumetrijske pumpe (ISO 6145-2:2001)  
Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 2: Volumetric pumps (ISO 6145-2:2001)  
- zamijenjena s: HRN ISO 6145-2:2014

HRN EN ISO 13703:2001/lpr.1:2008 en  
Industrija nafte i prirodnog plina – Projektiranje i montaža cjevovoda odobalnih proizvodnih platformi (ISO 13703:2000/Cor 1:2002; EN ISO 13703:2000/AC:2002)  
Petroleum and natural gas industries – Design and installation of piping systems on offshore production platforms (ISO 13703:2000/Cor 1:2002; EN ISO 13703:2000/AC:2002)  
- zamijenjena s: HRN EN ISO 13703:2001/lpr.2:2008

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

HRN EN 12377:2001 en  
Ambalaža – Savitljive tube – Ispitne metode za ispitivanje zrakonepropusnosti zatvarača (EN 12377:1998)  
Packaging – Flexible tubes – Test methods for the airtightness of closures (EN 12377:1998)  
- zamijenjena s: HRN EN 12377:2014

HRN EN 15823:2011 en  
Ambalaža – Pismo za slijepe na ambalaži za lijekove (EN 15823:2010)  
Packaging – Braille on packaging for medicinal products (EN 15823:2010)  
- zamijenjena s: HRN EN ISO 17351:2014

HRN EN ISO 18613:2003 en  
Popravak plošnih drvenih paleta (ISO 18613:2003;  
EN ISO 18613:2003)  
Repair of flat wooden pallets (ISO 18613:2003;  
EN ISO 18613:2003)  
- zamijenjena s: HRN EN ISO 18613:2014

### **HZN/TO 521, Usluge održavanja**

HRI CEN/TR 15628:2009 en  
Održavanje – Osposobljavanje djelatnika održavanja  
(CEN/TR 15628:2007)  
Maintenance – Qualification of Maintenance  
personnel (CEN/TR 15628:2007)  
- zamijenjena s: HRN EN 15628:2014

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

HRN CEN/TR 13767:2007 en  
Karakterizacija muljeva – Dobar način spaljivanja  
muljeva s masnoćama i bez njih te ostataka na  
rešetkama (CEN/TR 13767:2004)  
Characterisation of sludges – Good practice for  
sludges incineration with and without grease and  
screenings (CEN/TR 13767:2004)  
- zamijenjena s: HRI CEN/TR 16788:2014

HRN CEN/TR 13768:2007 en  
Karakterizacija muljeva – Dobar način kombiniranog  
spaljivanja muljeva i otpada iz kućanstva  
(CEN/TR 13768:2004)  
Characterisation of sludges – Good practice for  
combined incineration of sludges and household  
wastes (CEN/TR 13768:2004)  
- zamijenjena s: HRI CEN/TR 16788:2014

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

HRS ENV 12315-1:2008 en  
Traffic and Traveller Information (TTI) – TTI  
Messages via Dedicated Short-Range  
Communication – Part 1: Data Specification –  
Downlink (Roadside to Vehicle) (ENV 12315-1:1996)  
- bez zamjene

HRS ENV 12315-2:2008 en  
Traffic and Traveller Information (TTI) – TTI  
Messages via Dedicated Short-Range  
Communication – Part 2: Data Specification – Uplink  
(Vehicle to Roadside) (ENV 12315-2:1996)  
- bez zamjene

HRS CEN/TS 14821-1:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 1: General specifications  
(CEN/TS 14821-1:2003)  
- bez zamjene

HRS CEN/TS 14821-2:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 2: Numbering and ADP  
message header (CEN/TS 14821-2:2003)  
- bez zamjene

HRS CEN/TS 14821-3:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 3: Basic information  
elements (CEN/TS 14821-3:2003)  
- bez zamjene

HRS CEN/TS 14821-4:2008 en  
Traffic and Travel information (TTI) – TTI messages  
via cellular networks – Part 4: Service-independent  
protocols (CEN/TS 14821-4:2003)  
- bez zamjene

HRS CEN/TS 14821-5:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 5: Internal services  
(CEN/TS 14821-5:2003)  
- bez zamjene

HRS CEN/TS 14821-6:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 6: External services  
(CEN/TS 14821-6:2003)  
- bez zamjene

HRS CEN/TS 14821-7:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 7: Performance  
requirements for onboard positioning  
(CEN/TS 14821-7:2003)  
- bez zamjene

HRS CEN/TS 14821-8:2008 en  
Traffic and Travel Information (TTI) – TTI messages  
via cellular networks – Part 8: GSM-specific  
parameters (CEN/TS 14821-8:2003)  
- bez zamjene

HRN EN ISO 15007-1:2003 en  
Cestovna vozila – Mjerenje vizualnog ponašanja  
vozača u odnosu na transportne informacije i  
upravljačke sustave – 1. dio: Definicije i parametri  
(ISO 15007-1:2002; EN ISO 15007-1:2002)  
Road vehicles – Measurement of driver visual  
behaviour with respect to transport information and  
control systems – Part 1: Definitions and parameters  
(ISO 15007-1:2002; EN ISO 15007-1:2002)  
- zamijenjena s: HRN EN ISO 15007-1:2014

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

HRN EN 12592:2008 en  
Bitumen i bitumenska veziva – Određivanje  
topljivosti (EN 12592:2007)  
Bitumen and bituminous binders – Determination of  
solubility (EN 12592:2007)  
- zamijenjena s: HRN EN 12592:2014

HRN EN 12594:2008 en  
Bitumen i bitumenska veziva – Priprema ispitnih  
uzoraka (EN 12594:2007)  
Bitumen and bituminous binders – Preparation of  
test samples (EN 12594:2007)  
- zamijenjena s: HRN EN 12594:2014

HRN EN 12595:2008 en  
Bitumen i bitumenska veziva – Određivanje  
kinematičke viskoznosti (EN 12595:2007)  
Bitumen and bituminous binders – Determination of  
kinematic viscosity (EN 12595:2007)  
- zamijenjena s: HRN EN 12595:2014

HRN EN 12596:2008 en  
Bitumen i bitumenska veziva – Određivanje  
dinamičke viskoznosti pomoću kapilarnih  
viskozimetara uz primjenu vakuuma (EN  
12596:2007)  
Bitumen and bituminous binders – Determination of  
dynamic viscosity by vacuum capillary  
(EN 12596:2007)  
- zamijenjena s: HRN EN 12596:2014

HRN EN 12607-1:2008 en  
Bitumen i bitumenska veziva – Određivanje  
otpornosti na otvrdnjavanje djelovanjem topline i  
zraka – 1. dio: RTFOT metoda (EN 12607-1:2007)  
Bitumen and bituminous binders – Determination of  
the resistance to hardening under influence of heat  
and air – Part 1: RTFOT Method (EN 12607-1:2007)  
- zamijenjena s: HRN EN 12607-1:2014

HRN EN 12607-2:2008 en  
Bitumen i bitumenska veziva – Određivanje otpornosti na otvrdnjavanje djelovanjem topline i zraka – 2. dio: TFOT metoda (EN 12607-2:2007)  
Bitumen and bituminous binders – Determination of the resistance to hardening under influence of heat and air – Part 2: TFOT Method (EN 12607-2:2007)  
- zamijenjena s: HRN EN 12607-2:2014

HRN EN 12607-3:2008 en  
Bitumen i bitumenska veziva – Određivanje otpornosti na otvrdnjavanje djelovanjem topline i zraka – 3. dio: RFT metoda (EN 12607-3:2007)  
Bitumen and bituminous binders – Determination of the resistance to hardening under influence of heat and air – Part 3: RFT Method (EN 12607-3:2007)  
- zamijenjena s: HRN EN 12607-3:2014

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

HRN EN 13146-1:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 1. dio: Određivanje otpora uzdužnomu pomicanju tračnice (EN 13146-1:2012)  
Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint (EN 13146-1:2012)  
- zamijenjena s: HRN EN 13146-1:2014

HRN EN 13146-4:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrtni pribor – 4. dio: Utjecaj ponavljanja opterećenja (EN 13146-4:2012)  
Railway applications – Track – Test methods for fastening systems – Part 4: Effect of repeated loading (EN 13146-4:2012)  
- zamijenjena s: HRN EN 13146-4:2012+A1:2014

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

HRN ISO 4305:2001 en  
Samovozni granici – Određivanje stabilnosti (ISO 4305:1991)  
Mobile cranes – Determination of stability (ISO 4305:1991)  
- zamijenjena s: HRN ISO 4305:2014

HRN ISO 4308-1:2003 en  
Granici i dizalice – Izbor čelične žice – 1. dio: Općenito (ISO 4308-1:2003)  
Cranes and lifting appliances – Selection of wire ropes – Part 1: General (ISO 4308-1:2003)  
- zamijenjena s: HRN ISO 16625:2014

HRN ISO 4308-2:2003 en  
Granici i dizalice – Izbor čelične užadi – 2. dio: Mobilni granici, koeficijenti sigurnosti (ISO 4308-2:1988)  
Cranes and lifting appliances – Selection of wire ropes – Part 2: Mobile cranes – Coefficient of utilization (ISO 4308-2:1988)  
- zamijenjena s: HRN ISO 16625:2014

HRN ISO 8087:2001 en  
Mobilni granici – Promjer bubnja i užnice (ISO 8087:1985)  
Mobile cranes – Drum and sheave sizes (ISO 8087:1985)  
- zamijenjena s: HRN ISO 16625:2014

HRN ISO 9374-3:2003 en  
Granici – Potrebni podaci u upitima, narudžbama, ponudama i isporuci – 3. dio: Toranjski granici (ISO 9374-3:2002)  
Cranes – Information to be provided for enquiries, orders, offers and supply – Part 3: Tower cranes (ISO 9374-3:2002)  
- zamijenjena s: HRN ISO 9374-3:2014

HRN ISO 12482-1:2003 en  
Granici – Praćenje stanja – 1. dio: Općenito (ISO 12482-1:1995)  
Cranes – Condition monitoring – Part 1: General (ISO 12482-1:1995)  
- zamijenjena s: HRN ISO 12482:2014

HRN ISO 18893:2009 en  
Mobilne podizne platforme – Sigurnosni zahtjevi, inspekcija, održavanje i rukovanje (ISO 18893:2004)  
Mobile elevating work platforms – Safety requirements, inspection, maintenance and operation (ISO 18893:2004)  
- zamijenjena s: HRN ISO 18893:2014

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

HRN EN ISO 1872-1:2008 en  
Plastika – Polietilenski (PE) prešani i ekstrudirani materijali – 1. dio: Sustav označavanja i osnova za specifikacije (ISO 1872-1:1993; EN ISO 1872-1:1999)  
Plastics – Polyethylene (PE) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 1872-1:1993; EN ISO 1872-1:1999)  
- zamijenjena s: HRN EN ISO 17855-1:2014

HRN EN ISO 4895:2008 en  
Plastika – Kapljevite epoksidne smole – Određivanje sklonosti kristaliziranju (ISO 4895:1997; EN ISO 4895:1999)  
Plastics – Liquid epoxy resins – Determination of tendency to crystallize (ISO 4895:1997; EN ISO 4895:1999)  
- zamijenjena s: HRN EN ISO 4895:2014

HRN EN ISO 6402-1:2004 en  
Plastika – Akrlonitril/stiren/akrilat (ASA), akrilonitril/(etilen-propilen-dien)/stiren (AEPDS) i akrilonitril/(klorirani polietilen)/stiren (ACS) prešani i ekstrudirani materijali – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 6402-1:2002; EN ISO 6402-1:2002)  
Plastics – Acrylonitrile-styrene-acrylate (ASA), acrylonitrile-(ethylene-propylene-diene)-styrene (AEPDS) and acrylonitrile-(chlorinated polyethylene)-styrene (ACS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 6402-1:2002; EN ISO 6402-1:2002)  
- zamijenjena s: HRN EN ISO 19065-1:2014

HRN EN ISO 10366-1:2008 en  
Plastika – Metil-metakrilat/akrlonitril/butadien/stirenski (MABS) prešani i ekstrudirani materijali – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 10366-1:2002; EN ISO 10366-1:2002)  
Plastics – Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 10366-1:2002; EN ISO 10366-1:2002)  
- zamijenjena s: HRN EN ISO 19066-1:2014

HRN EN 15346:2008 en  
Plastika – Reciklirana plastika – Karakterizacija poli(vinil-kloridnih) (PVC) reciklata (EN 15346:2007)  
Plastics – Recycled plastics – Characterisation of poly(vinyl chloride) (PVC) recyclates (EN 15346:2007)  
- zamijenjena s: HRN EN 15346:2014



HRN EN 15348:2008 en  
Plastika – Reciklirana plastika – Karakterizacija  
poli(etilen-tereftalatih) (PET) reciklata  
(EN 15348:2007)  
Plastics – Recycled plastics – Characterization of  
poly(ethylene terephthalate) (PET) recycles  
(EN 15348:2007)  
- zamijenjena s: HRN EN 15348:2014

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

HRN EN ISO 3650:2008/Ispr.1:2014 en  
Geometrijske specifikacije proizvoda (GSP) – Etaloni  
duljine – Planparalelne granične mjerke  
(ISO 3650:1998/Cor 1:2008;  
EN ISO 3650:1998/AC:2009)  
Geometrical product specifications (GPS) – Length  
standards – Gauge blocks  
(ISO 3650:1998/Cor 1:2008;  
EN ISO 3650:1998/AC:2009)  
- bez zamjene

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

HRN EN 14718:2008 en  
Utjecaj organskih materijala na vodu namijenjenu  
ljudskoj uporabi – Određivanje utroška klora –  
Ispitna metoda (EN 14718:2006)  
Influence of organic materials on water intended for  
human consumption – Determination of the chlorine  
demand – Test method (EN 14718:2006)  
- zamijenjena s: HRN EN 14718:2014

HRN EN 15074:2008 en  
Kemikalije koje se upotrebljavaju u obradi vode  
bazena za plivanje – Ozon (EN 15074:2006)  
Chemicals used for treatment of swimming pool  
water – Ozone (EN 15074:2006)  
- zamijenjena s: HRN EN 15074:2014

HRN EN 16146:2013 en  
Sanitarne armature – Izvlačeća crijeva za tuš za  
sanitarne armature za vodoopskrbne sustave tipa 1 i  
tipa 2 – Opća tehnička specifikacija  
(EN 16146:2012)  
Sanitary tapware – Extractable shower hoses for  
sanitary tapware for supply systems type 1 and  
type 2 – General technical specification  
(EN 16146:2012)  
- zamijenjena s: HRN EN 16146:2014

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

HRN ISO 6938:2003 en  
Tekstil – Prirodna vlakna – Generički nazivi i  
definicije (ISO 6938:1984)  
Textiles – Natural fibres – Generic names and  
definitions (ISO 6938:1984)  
- zamijenjena s: HRN EN ISO 6938:2014

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

HRN EN 13445-1:2009 en  
Neložene tlačne posude – 1. dio: Općenito  
(EN 13445-1:2009)  
Unfired pressure vessels – Part 1: General  
(EN 13445-1:2009)  
- zamijenjena s: HRN EN 13445-1:2014

HRN EN 13445-1:2009/A1:2014 en  
Neložene tlačne posude – 1. dio: Općenito  
(EN 13445-1:2009/A1:2013)  
Unfired pressure vessels – Part 1: General  
(EN 13445-1:2009/A1:2013)  
- zamijenjena s: HRN EN 13445-1:2014

HRN EN 13445-2:2009 en  
Neložene tlačne posude – 2. dio: Materijali  
(EN 13445-2:2009)  
Unfired pressure vessels – Part 2: Materials  
(EN 13445-2:2009)  
- zamijenjena s: HRN EN 13445-2:2014

HRN EN 13445-2:2009/A1:2012 en  
Neložene tlačne posude – 2. dio: Materijali  
(EN 13445-2:2009/A1:2012)  
Unfired pressure vessels – Part 2: Materials  
(EN 13445-2:2009/A1:2012)  
- zamijenjena s: HRN EN 13445-2:2014

HRN EN 13445-2:2009/A2:2012 en  
Neložene tlačne posude – 2. dio: Materijali  
(EN 13445-2:2009/A2:2012)  
Unfired pressure vessels – Part 2: Materials  
(EN 13445-2:2009/A2:2012)  
- zamijenjena s: HRN EN 13445-2:2014

HRN EN 13445-3:2009 en  
Neložene tlačne posude – 3. dio: Projektiranje  
(EN 13445-3:2009)  
Unfired pressure vessels – Part 3: Design  
(EN 13445-3:2009)  
- zamijenjena s: HRN EN 13445-3:2014

HRN EN 13445-3:2009/A1:2012 en  
Neložene tlačne posude – 3. dio: Projektiranje  
(EN 13445-3:2009/A1:2012)  
Unfired pressure vessels – Part 3: Design  
(EN 13445-3:2009/A1:2012)  
- zamijenjena s: HRN EN 13445-3:2014

HRN EN 13445-3:2009/A2:2014 en  
Neložene tlačne posude – 3. dio: Projektiranje  
(EN 13445-3:2009/A2:2013)  
Unfired pressure vessels – Part 3: Design  
(EN 13445-3:2009/A2:2013)  
- zamijenjena s: HRN EN 13445-3:2014

HRN EN 13445-5:2009 en  
Neložene tlačne posude – 5. dio: Pregled i  
ispitivanje (EN 13445-5:2009)  
Unfired pressure vessels – Part 5: Inspection and  
testing (EN 13445-5:2009)  
- zamijenjena s: HRN EN 13445-5:2014

HRN EN 13445-5:2009/A1:2012 en  
Neložene tlačne posude – 5. dio: Pregled i  
ispitivanje (EN 13445-5:2009/A1:2011)  
Unfired pressure vessels – Part 5: Inspection and  
testing (EN 13445-5:2009/A1:2011)  
- zamijenjena s: HRN EN 13445-5:2014

HRN EN 13445-5:2009/A2:2012 en  
Neložene tlačne posude – 5. dio: Pregled i  
ispitivanje (EN 13445-5:2009/A2:2011)  
Unfired pressure vessels – Part 5: Inspection and  
testing (EN 13445-5:2009/A2:2011)  
- zamijenjena s: HRN EN 13445-5:2014

HRN EN 13445-5:2009/A3:2012 en  
Neložene tlačne posude – 5. dio: Pregled i  
ispitivanje (EN 13445-5:2009/A3:2011)  
Unfired pressure vessels – Part 5: Inspection and  
testing (EN 13445-5:2009/A3:2011)  
- zamijenjena s: HRN EN 13445-5:2014

HRN EN 13445-5:2009/A4:2013 en  
Neložene tlačne posude – 5. dio: Pregled i  
ispitivanje (EN 13445-5:2009/A4:2013)  
Unfired pressure vessels – Part 5: Inspection and  
testing (EN 13445-5:2009/A4:2013)  
- zamijenjena s: HRN EN 13445-5:2014

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

- HRN EN 1870-3:2009 en  
Sigurnost strojeva za obradu drva – Kružne pile –  
3. dio: Pile za poprečno prepiljivanje i dvonamjenske  
pile za poprečno rezanje/stolovi kružnih pila  
(EN 1870-3:2001+A1:2009)  
Safety of woodworking machines – Circular sawing  
machines – Part 3: Down cutting cross-cut saw and  
dual purpose down cutting cross-cut saws/circular  
saw benches (EN 1870-3:2001+A1:2009)  
- zamijenjena s: HRN EN 1870-3:2014

## HZN/TO 563, *Sigurnost strojeva*

- HRN EN 453:2010 en  
Strojevi za preradu hrane – Miješalice za tijesto –  
Sigurnosni i higijenski zahtjevi  
(EN 453:2000+A1:2009)  
Food processing machinery – Dough mixers –  
Safety and hygiene requirements  
(EN 453:2000+A1:2009)  
- zamijenjena s: HRN EN 453:2014

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

- HRN EN ISO 5509:2004 en  
Životinjske i biljne masti i ulja – Priprava metilnih  
estera masnih kiselina (ISO 5509:2000;  
EN ISO 5509:2000)  
Animal and vegetable fats and oils – Preparation of  
methyl esters of fatty acids (ISO 5509:2000;  
EN ISO 5509:2000)  
- zamijenjena s: HRN EN ISO 12966-2:2011

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

- HRN EN 13451-5:2008 en  
Oprema za bazene – 5. dio: Dodatni posebni  
sigurnosni zahtjevi i metode ispitivanja za pružnu  
užad (EN 13451-5:2001)  
Swimming pool equipment – Part 5: Additional  
specific safety requirements and test methods for  
lane lines (EN 13451-5:2001)  
- zamijenjena s: HRN EN 13451-5:2014

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

- HRN EN 50086-2-4:2002 en  
Sustavi cijevi za električne instalacije – Dio 2-4:  
Posebni zahtjevi za sustave cijevi, koji se polažu  
podzemno (EN 50086-2-4:1994)  
Conduit systems for electrical installations –  
Part 2-4: Particular requirements for conduit systems  
buried underground (EN 50086-2-4:1994)  
- zamijenjena s: HRN EN 61386-24:2011
- HRN EN 50086-2-4:2002/A1:2008 en  
Sustavi cijevi za vođenje kabela – Dio 2-4: Posebni  
zahtjevi za sustave cijevi, koji se polažu podzemno  
(EN 50086-2-4:1994/A1:2001)  
Conduit systems for cable management – Part 2-4:  
Particular requirements for conduit systems buried  
underground (EN 50086-2-4:1994/A1:2001)  
- zamijenjena s: HRN EN 61386-24:2011

## HZN/TO E31, *Eksplzivne atmosfere*

- HRN EN 60079-11:2007 en  
Eksplzivne atmosfere – 11. dio: Vrsta zaštite  
opreme samosigurnost “i” (IEC 60079-11:2006;  
EN 60079-11:2007)  
Explosive atmospheres – Part 11: Equipment  
protection by intrinsic safety “i” (IEC 60079-11:2006;  
EN 60079-11:2007)  
- zamijenjena s: HRN EN 60079-11:2012
- HRN EN 61241-11:2007 en  
Električni uređaji za upotrebu u zapaljivoj prašini –  
11. dio: Samosigurnost “iD”  
(IEC 61241-11:2005+Corr.:2006; EN 61241-11:2006)  
Electrical apparatus for use in the presence of  
combustible dust – Part 11: Protection by intrinsic  
safety “iD” (IEC 61241-11:2005+Corr.:2006;  
EN 61241-11:2006)  
- zamijenjena s: HRN EN 60079-11:2012
- HRN EN 62013-1:2007 en  
Kapne svjetiljke za rudnike ugrožene jamskom  
atmosferom – 1. dio: Opći zahtjevi – Konstrukcija i  
ispitivanje u odnosu na rizik od eksplozije  
(IEC 62013-1:2005; EN 62013-1:2006)  
Caplights for use in mines susceptible to firedamp  
– Part 1: General requirements – Construction and  
testing in relation to the risk of explosion  
(IEC 62013-1:2005; EN 62013-1:2006)  
- zamijenjena s: HRN EN 60079-35-1:2012

## HZN/TO E36, *Izolatori*

- HRN EN 50180:2008 en  
Provodni izolatori iznad 1 kV do 36 kV i od 250 A do  
3,15 kA za tekućinom punjene transformatore  
(EN 50180:1997)  
Bushings above 1 kV up to 36 kV and from 250 A to  
3,15 kA for liquid filled transformers  
(EN 50180:1997)  
- zamijenjena s: HRN EN 50180:2014
- HRN EN 50181:2008 en  
Utični tip provodnih izolatora iznad 1 kV do 36  
kV i od 250 A do 1,25 kA za opremu različitu od  
transformatora punjenih tekućinom (EN 50181:1997)  
Plug-in type bushings above 1 kV up to 36 kV and  
from 250 A to 1,25 kA for equipment other than liquid  
filled transformers (EN 50181:1997)  
- zamijenjena s: HRN EN 50181:2014
- HRN EN 60137:2008 en  
Izolirani provodni izolatori za izmjenične napone  
iznad 1000 V (IEC 60137:2003; EN 60137:2003)  
Insulated bushings for alternating voltages above  
1000 V (IEC 60137:2003; EN 60137:2003)  
- zamijenjena s: HRN EN 60137:2014
- HRN EN 61952:2008 en  
Izolatori za nadzemne vodove – Kompozitni vodni  
potporni izolatori za izmjeničnu struju kod nazivnog  
napona > 1000 V (IEC 61952:2002; EN 61952:2003)  
Insulators for overhead lines – Composite line post  
insulators for alternative current with a nominal  
voltage > 1000 V (IEC 61952:2002; EN 61952:2003)  
- zamijenjena s: HRN EN 61952:2014

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

- HRN EN 60704-1:1999 en  
Kućanski i slični električni aparati – Ispitne odredbe  
za određivanje uzdušne buke – 1. dio: Opći zahtjevi  
(IEC 60704-1:1997; EN 60704-1:1997)  
Household and similar electrical appliances – Test  
code for the determination of airborne acoustical  
noise – Part 1: General requirements  
(IEC 60704-1:1997; EN 60704-1:1997)  
- zamijenjena s: HRN EN 60704-1:2011

HRN EN 60704-1:2008 en  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 1. dio: Opći zahtjevi (IEC 60704-1:1982; EN 60704-1:1994)  
Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances – Part 1: General requirements (IEC 60704-1:1982; EN 60704-1:1994)  
- bez zamjene

### **HZN/TO E62, Električna oprema u medicinskoj praksi**

HRN EN ISO 13485:2003 en  
Medicinski uređaji – Sustavi upravljanja kvalitetom – Zahtjevi za zakonsku namjenu (ISO 13485:2003; EN ISO 13485:2003)  
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2003; EN ISO 13485:2003)  
- zamijenjena s: HRN EN ISO 13485:2012

HRN EN ISO 13485:2003/Ispr.1:2008 en  
Medicinski uređaji – Sustavi upravljanja kvalitetom – Zahtjevi za zakonsku namjenu (EN ISO 13485:2003/AC:2007)  
Medical devices – Quality management systems – Requirements for regulatory purposes (EN ISO 13485:2003/AC:2007)  
- zamijenjena s: HRN EN ISO 13485:2003/Ispr.2:2009

HRN EN ISO 13485:2003/Ispr.2:2009 en  
Medicinski uređaji – Sustavi upravljanja kvalitetom – Zahtjevi za zakonsku namjenu (ISO 13485:2003/Cor 1:2009; EN ISO 13485:2003/AC:2009)  
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2003/Cor 1:2009; EN ISO 13485:2003/AC:2009)  
- zamijenjena s: HRN EN ISO 13485:2012

HRN EN ISO 14971:2003 en  
Medicinski uređaji – Primjena upravljanja rizikom kod uporabe medicinskih uređaja (ISO/IEC 14971:2000+Amd 1:2003; EN ISO 14971:2000+AC:2002+A1:2003)  
Medical devices – Application of risk management to medical devices (ISO/IEC 14971:2000+Amd 1:2003; EN ISO 14971:2000+AC:2002+A1:2003)  
- zamijenjena s: HRN EN ISO 14971:2009

### **HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu**

HRN EN 60730-1:2007/A15:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:2000/A15:2007)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:2000/A15:2007)  
- zamijenjena s: HRN EN 60730-1:2007/A2:2008

HRN EN 60730-1:2008 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (IEC 60730-1:1986, MOD+am1:1990; EN 60730-1:1991+A1:1991)  
Automatic electrical controls for household and similar use – Part 1: General requirements (IEC 60730-1:1986, MOD+am1:1990; EN 60730-1:1991+A1:1991)  
- zamijenjena s: HRN EN 60730-1:2000

HRN EN 60730-1:2008/A11:2008 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:1991/A11:1991)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:1991/A11:1991)  
- zamijenjena s: HRN EN 60730-1:2000

HRN EN 60730-1:2008/A12:2008 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:1991/A12:1993)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:1991/A12:1993)  
- zamijenjena s: HRN EN 60730-1:2000

HRN EN 60730-1:2008/A14:2008 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 1. dio: Opći zahtjevi (EN 60730-1:1991/A14:1995)  
Automatic electrical controls for household and similar use – Part 1: General requirements (EN 60730-1:1991/A14:1995)  
- zamijenjena s: HRN EN 60730-1:2000

HRN EN 60730-2-10:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za releje za pokretanje motora (IEC 60730-2-10:1991, preinačena+A1:1994; EN 60730-2-10:1995 + Corr.1:1995+A1:1996+ Corr.1:1996)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for motor starting relays (IEC 60730-2-10:1991, modified+A1:1994; EN 60730-2-10:1995+Corr.1:1995+A1:1996+ Corr.1:1996)  
- zamijenjena s: HRN EN 60730-2-10:2008

HRN EN 60730-2-10:2000/A2:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-10: Posebni zahtjevi za releje za pokretanje motora – Preinaka tablice 7.2 i podtočke 14.4 (IEC 60730-2-10:1991/A2:2001, preinačena; EN 60730-2-10:1995/A2:2002)  
Automatic electrical controls for household and similar use – Part 2-10: Particular requirements for motor starting relays – Modification Table 7.2 and subclause 14.4 (IEC 60730-2-10:1991/A2:2001, modified; EN 60730-2-10:1995/A2:2002)  
- zamijenjena s: HRN EN 60730-2-10:2008

HRN EN 60730-2-10:2000/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-10: Posebni zahtjevi za releje za pokretanje motora (EN 60730-2-10:1995/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-10: Particular requirements for motor starting relays (EN 60730-2-10:1995/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-10:2008

HRN EN 60730-2-10/A1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-10: Posebni zahtjevi za releje za pokretanje motora (EN 60730-2-10:1995/A1:1996/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-10: Particular requirements for motor starting relays (EN 60730-2-10:1995/A1:1996/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-10:2008

- HRN EN 60730-2-11:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za regulatore energije (IEC 60730-2-11:1993+A1:1994, preinačena+A2:1997; EN 60730-2-11:1993+Corr.1:1997+A1:1997+Corr.1:1997+A2:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for energy regulators (IEC 60730-2-11:1993+A1:1994, modified+A2:1997; EN 60730-2-11:1993+Corr.1:1997+A1:1997+Corr.1:1997+A2:1998)  
- zamijenjena s: HRN EN 60730-2-11:2008
- HRN EN 60730-2-11:2000/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-11: Posebni zahtjevi za regulatore energije (EN 60730-2-11:1993/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-11: Particular requirements for energy regulators (EN 60730-2-11:1993/A11:2005)  
- zamijenjena s: HRN EN 60730-2-11:2008
- HRN EN 60730-2-1:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne naprave za automatsko upravljanje za električne kućanske aparate (IEC 60730-2-1:1989, preinačena; EN 60730-2-1:1997)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for electrical controls for electrical household appliances (IEC 60730-2-1:1989, modified; EN 60730-2-1:1997)  
- bez zamjene
- HRN EN 60730-2-13:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore vlažnosti (IEC 60730-2-13:1995, preinačena+A1:1997; EN 60730-2-13:1998+A1:1998+Corr.1:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for humidity sensing controls (IEC 60730-2-13:1995, modified+A1:1997; EN 60730-2-13:1998+A1:1998+Corr.1:1998)  
- zamijenjena s: HRN EN 60730-2-13:2008
- HRN EN 60730-2-13:2000/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (EN 60730-2-13:1998/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-13: Particular requirements for humidity sensing controls (EN 60730-2-13:1998/A11:2005)  
- zamijenjena s: HRN EN 60730-2-13:2008
- HRN EN 60730-2-13:2000/A1:2000/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (IEC 60730-2-13:1998/A1:1998/Corr.:2000)  
Automatic electrical controls for household and similar use – Part 2-13: Particular requirements for humidity sensing controls (EN 60730-2-13:1998/A1:1998/Corr.:2000)  
- zamijenjena s: HRN EN 60730-2-13:2008
- HRN EN 60730-2-13:2000/A2:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (IEC 60730-2-13:1995/A2:2000, preinačena; EN 60730-2-13:1998/A2:2002)
- Automatic electrical controls for household and similar use – Part 2-13: Particular requirements for humidity sensing controls (IEC 60730-2-13:1995/A2:2000, modified; EN 60730-2-13:1998/A2:2002)  
- zamijenjena s: HRN EN 60730-2-13:2008
- HRN EN 60730-2-13:2000/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-13: Posebni zahtjevi za električne regulatore vlažnosti (EN 60730-2-13:1998/Corr.:2000)  
Automatic electrical controls for household and similar use – Part 2-13: Particular requirements for humidity sensing controls (EN 60730-2-13:1998/Corr.:2000)  
- zamijenjena s: HRN EN 60730-2-13:2008
- HRN EN 60730-2-15:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore razine vode s plovkom ili elektrodom, koji se primjenjuju u kotlovima (IEC 60730-2-15:1994+A1:1997; EN 60730-2-15:1995+A1:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical water level sensing controls of the float or electrode-sensor type used in boiler applications (IEC 60730-2-15:1994+A1:1997; EN 60730-2-15:1995+A1:1998)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-15/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-15: Posebni zahtjevi za električne regulatore razine vode s plovkom ili elektrodom, koji se primjenjuju u kotlovima (EN 60730-2-15:1995/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-15: Particular requirements for automatic electrical water level sensing controls of the float or electrode-sensor type used in boiler applications (EN 60730-2-15:1995/A11:2005)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-15/A1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore razine vode s plovkom ili elektrodom, koji se primjenjuju u kotlovima (EN 60730-2-15:1995/A1:1998/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical water level sensing controls of the float or electrode-sensor type used in boiler applications (EN 60730-2-15:1995/A1:1998/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-16:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore razine vode s plovkom za uporabu u kućanstvu i slične primjene (IEC 60730-2-16:1995, preinačena+A1:1997; EN 60730-2-16:1997+A1:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical water level operating controls of the float type for household and similar applications (IEC 60730-2-16:1995, modified+A1:1997; EN 60730-2-16:1997+A1:1998)  
- zamijenjena s: HRN EN 60730-2-15:2010



- HRN EN 60730-2-16/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-16: Posebni zahtjevi za električne regulatore razine vode s plovkom za uporabu u kućanstvu i slične primjene (EN 60730-2-16:1997/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-16: Particular requirements for automatic electrical water level controls of the float type for household and similar applications (EN 60730-2-16:1997/A11:2005)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-16/A1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-16: Posebni zahtjevi za električne regulatore razine vode s plovkom za uporabu u kućanstvu i slične primjene (EN 60730-2-16:1997/A1:1998/Corr.:2000)  
Automatic electrical controls for household and similar use – Part 2-16: Particular requirements for automatic electrical water level sensing controls of the float type for household and similar applications (EN 60730-2-16:1997/A1:1998/Corr.:2000)  
- bez zamjene
- HRN EN 60730-2-16/A2:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-16: Posebni zahtjevi za električne regulatore razine vode s plovkom za uporabu u kućanstvu i slične primjene (IEC 60730-2-16:1995/A2:2001; EN 60730-2-16:1997/A2:2001)  
Automatic electrical controls for household and similar use – Part 2-16: Particular requirements for automatic electrical water level controls of the float type for household and similar applications (IEC 60730-2-16:1995/A2:2001; EN 60730-2-16:1997/A2:2001)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-18:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2.dio: Posebni zahtjevi za električne regulatore protoka vode i zraka, uključujući mehaničke zahtjeve (IEC 60730-2-18:1997, preinačena; EN 60730-2-18:1999)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical water and air flow sensing controls, including mechanical requirements (IEC 60730-2-18:1997, modified; EN 60730-2-18:1999)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-18:2000/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-18: Posebni zahtjevi za električne regulatore protoka vode i zraka, uključujući mehaničke zahtjeve (EN 60730-2-18:1999/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-18: Particular requirements for automatic electrical water and air flow sensing controls, including mechanical requirements (EN 60730-2-18:1999/A11:2005)  
- zamijenjena s: HRN EN 60730-2-15:2010
- HRN EN 60730-2-1/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-1: Posebni zahtjevi za električne naprave za automatsko upravljanje za električne kućanske aparate (EN 60730-2-1:1997/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-1: Particular requirements for electrical controls for electrical household appliances (EN 60730-2-1:1997/A11:2005)  
- bez zamjene
- HRN EN 60730-2-1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne naprave za automatsko upravljanje za električne kućanske aparate (EN 60730-2-1:1997/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for electrical controls for electrical household appliances (EN 60730-2-1:1997/Corr.:2001)  
- bez zamjene
- HRN EN 60730-2-2:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za termičke protektore motora (IEC 60730-2-2:1990, preinačena+A1:1995+A2:1997; EN 60730-2-2:1991+A11:1995+A1:1997+A2:1997)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for thermal motor protectors (IEC 60730-2-2:1990, modified+A1:1995+A2:1997; EN 60730-2-2:1991+A11:1995+A1:1997+A2:1997)  
- zamijenjena s: HRN EN 60730-2-2:2007
- HRN EN 60730-2-2/A1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-2: Posebni zahtjevi za termičke protektore motora (EN 60730-2-2:1991/A1:1997/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-2: Particular requirements for thermal motor protectors (EN 60730-2-2:1991/A1:1997/Corr.:2001)  
- bez zamjene
- HRN EN 60730-2-2/A2/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-2: Posebni zahtjevi za termičke protektore motora (EN 60730-2-2:1991/A2:1997/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-2: Particular requirements for thermal motor protectors (EN 60730-2-2:1991/A2:1997/Corr.:2001)  
- bez zamjene
- HRN EN 60730-2-3:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za termičke protektore za balaste cjevastih fluorescentnih izvora svjetla (IEC 60730-2-3:1990, preinačena+A1:1995, preinačena; EN 60730-2-3:1992+A1:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps (IEC 60730-2-3:1990, modified+A1:1995, modified; EN 60730-2-3:1992+A1:1998)  
- zamijenjena s: HRN EN 60730-2-3:2008
- HRN EN 60730-2-3/A11:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-3: Posebni zahtjevi za termičke protektore za balaste cjevastih fluorescentnih izvora svjetla (EN 60730-2-3:1992/A11:2005)  
Automatic electrical controls for household and similar use – Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps (EN 60730-2-3:1992/A11:2005)  
- zamijenjena s: HRN EN 60730-2-3:2008
- HRN EN 60730-2-3/A1/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-3: Posebni zahtjevi za termičke protektore za balaste cjevastih fluorescentnih izvora svjetla (EN 60730-2-3:1992/A1:1998/Corr.:2001)  
Automatic electrical controls for household and

- similar use – Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps (EN 60730-2-3:1992/A1:1998/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-3:2008
- HRN EN 60730-2-3/A2:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-3: Posebni zahtjevi za termičke protektore za balaste cjevastih fluorescentnih izvora svjetla (IEC 60730-2-3:1990/am2:2001; EN 60730-2-3:1992/A2:2001)  
Automatic electrical controls for household and similar use – Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps (IEC 60730-2-3:1990/am2:2001; EN 60730-2-3:1992/A2:2001)  
- zamijenjena s: HRN EN 60730-2-3:2008
- HRN EN 60730-2-3/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-3: Posebni zahtjevi za termičke protektore za balaste cjevastih fluorescentnih izvora svjetla (EN 60730-2-3:1992/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-3: Particular requirements for thermal protectors for ballasts for tubular fluorescent lamps (EN 60730-2-3:1992/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-3:2008
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za termičke protektore motora za motor-kompresore hermetičke i poluhermetičke vrste (IEC 60730-2-4:1990, preinačena+A1:1994; EN 60730-2-4:1993+A1:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semihermetic type (IEC 60730-2-4:1990, modified+A1:1994; EN 60730-2-4:1993+A1:1998)  
- zamijenjena s: HRN EN 60730-2-4:2008
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-4: Posebni zahtjevi za termičke protektore motora za motor-kompresore hermetičke i poluhermetičke vrste (EN 60730-2-4:1993/A1:1998/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2-4: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semihermetic type (EN 60730-2-4:1993/A1:1998/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-4:2008
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-4: Posebni zahtjevi za termičke protektore motora za motor-kompresore hermetičke i poluhermetičke vrste (IEC 60730-2-4:1990/am2:2001, MOD; EN 60730-2-4:1993/A2:2002)  
Automatic electrical controls for household and similar use – Part 2-4: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semi-hermetic type (IEC 60730-2-4:1990/am2:2001, MOD; EN 60730-2-4:1993/A2:2002)  
- zamijenjena s: HRN EN 60730-2-4:2008
- HRN EN 60730-2-4/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-4: Posebni zahtjevi za termičke protektore motora za motor-kompresore hermetičke i poluhermetičke vrste (EN 60730-2-4:1993/Corr.:2001)
- Automatic electrical controls for household and similar use – Part 2-4: Particular requirements for thermal motor protectors for motor-compressors of hermetic and semihermetic type (EN 60730-2-4:1993/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-4:2008
- HRN EN 60730-2-6:2000 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore tlaka, uključujući mehaničke zahtjeve (IEC 60730-2-6:1991, preinačena+A1:1994, preinačena + A2:1997; EN 60730-2-6:1995+Corr.1:1997+A1:1997+Corr.1:1997+A2:1998)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (IEC 60730-2-6:1991, modified+A1:1994, modified +A2:1997; EN 60730-2-6:1995+Corr.1:1997+A1:1997+Corr.1:1997+A2:1998)  
- zamijenjena s: HRN EN 60730-2-6:2008
- HRN EN 60730-2-6:2000/A1:2000/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore tlaka, uključujući mehaničke zahtjeve (EN 60730-2-6:1995/A1:1997/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (EN 60730-2-6:1995/A1:1997/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-6:2008
- HRN EN 60730-2-6:2000/A2:2000/Corr.:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore tlaka, uključujući mehaničke zahtjeve (EN 60730-2-6:1995/A2:1998/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (EN 60730-2-6:1995/A2:1998/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-6:2008
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za električne regulatore tlaka, uključujući mehaničke zahtjeve (EN 60730-2-6:1995/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for automatic electrical pressure sensing controls including mechanical requirements (EN 60730-2-6:1995/Corr.:2001)  
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (IEC 60730-2-7:1990, preinačena+A1:1994, preinačena; EN 60730-2-7:1991+Corr.1:1997+A12:1993+Corr.1:1997+A11:1994+Corr.1:1997+A1:1997+Corr.1:1997)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (IEC 60730-2-7:1990, modified+A1:1994, modified; EN 60730-2-7:1991+Corr.1:1997+A12:1993+Corr.1:1997+A11:1994+Corr.1:1997+A1:1997+Corr.1:1997)  
- zamijenjena s: HRN EN 60730-2-7:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (EN 60730-2-7:1991/A11:1994/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (EN 60730-2-7:1991/A11:1994/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-7:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (EN 60730-2-7:1991/A12:1993/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (EN 60730-2-7:1991/A12:1993/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-7:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke – Amandman na podtočku 1.1.1 (EN 60730-2-7:1991/A13:2003)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches – Amendment to sub-clause 1.1.1 (EN 60730-2-7:1991/A13:2003)  
- zamijenjena s: HRN EN 60730-2-7:2011

HRN EN 60730-2-7/A14:2004 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (EN 60730-2-7:1991/A14:2003)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (EN 60730-2-7:1991/A14:2003)  
- zamijenjena s: HRN EN 60730-2-7:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (EN 60730-2-7:1991/A1:1997/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (EN 60730-2-7:1991/A1:1997/Corr.:2001)  
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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – 2. dio: Posebni zahtjevi za programatore i vremenske sklopke (EN 60730-2-7:1991/Corr.:2001)  
Automatic electrical controls for household and similar use – Part 2: Particular requirements for timers and time switches (EN 60730-2-7:1991/Corr.:2001)  
- zamijenjena s: HRN EN 60730-2-7:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-9: Posebni zahtjevi za električne regulatore temperature (IEC 60730-2-9:2000, MOD+am1:2002, MOD+am2:2004, MOD; EN 60730-2-9:2002+A1:2003+A2:2005)  
Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls (IEC 60730-2-9:2000, MOD+am1:2002, MOD+am2:2004, MOD; EN 60730-2-9:2002+A1:2003+A2:2005)  
- zamijenjena s: HRN EN 60730-2-9:2011

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Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-9: Posebni zahtjevi za električne regulatore temperature (EN 60730-2-9:2002/A11:2003)  
Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls (EN 60730-2-9:2002/A11:2003)  
- zamijenjena s: HRN EN 60730-2-9:2011

HRN EN 60730-2-9/A12:2007 en  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-9: Posebni zahtjevi za električne regulatore temperature (EN 60730-2-9:2002/A12:2004)  
Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls (EN 60730-2-9:2002/A12:2004)  
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## HZN/TO E81, Zaštita od munje

HRN EN 50164-4:2008 en  
Sastavnice sustava zaštite od munje (LPC) – 4. dio: Zahtjevi za držače vodiča (EN 50164-4:2008)  
Lightning Protection Components (LPC) – Part 4: Requirements for conductor fasteners (EN 50164-4:2008)  
- zamijenjena s: HRN EN 62561-4:2013

HRN EN 50164-5:2011 en  
Sastavnice sustava zaštite od munje (LPC) – 5. dio: Zahtjevi za uzemne zdence i brtvenice vodiča uzemljivača (EN 50164-5:2009)  
Lightning Protection Components (LPC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals (EN 50164-5:2009)  
- zamijenjena s: HRN EN 62561-5:2013

HRN EN 50164-6:2011 en  
Sastavnice sustava zaštite od munje (LPC) – 6. dio: Zahtjevi za brojače udara munja (EN 50164-6:2009)  
Lightning Protection Components (LPC) – Part 6: Requirements for lightning strike counters (EN 50164-6:2009)  
- zamijenjena s: HRN EN 62561-6:2013

HRN EN 62305-1:2008 hr  
Zaštita od munje – 1. dio: Opća načela (IEC 62305-1:2006; EN 62305-1:2006)  
Protection against lightning – Part 1: General principles (IEC 62305-1:2006; EN 62305-1:2006)  
- zamijenjena s: HRN EN 62305-1:2013

HRN EN 62305-2:2008 hr  
Zaštita od munje – 2. dio: Upravljanje rizikom (IEC 62305-2:2006; EN 62305-2:2006)  
Protection against lightning – Part 2: Risk management (IEC 62305-2:2006; EN 62305-2:2006)  
- zamijenjena s: HRN EN 62305-2:2013

HRN EN 62305-3:2008 hr  
Zaštita od munje – 3. dio: Materijalne štete na građevinama i opasnost za život (IEC 62305-3:2006, MOD; EN 62305-3:2006)  
Protection against lightning – Part 3: Physical damage to structures and life hazard (IEC 62305-3:2006, MOD; EN 62305-3:2006)  
- zamijenjena s: HRN EN 62305-3:2013

HRN EN 62305-3:2008/A11:2009 hr  
Zaštita od munje – 3. dio: Materijalne štete na građevinama i opasnost za život (EN 62305-3:2006/A11:2009)  
Protection against lightning – Part 3: Physical damage to structures and life hazard (EN 62305-3:2006/A11:2009)  
- zamijenjena s: HRN EN 62305-3:2013

HRN EN 62305-4:2008 hr  
Zaštita od munje – 4. dio: Električni i elektronički sustavi unutar građevina (IEC 62305-4:2006; EN 62305-4:2006)  
Protection against lightning – Part 4: Electrical and electronic systems within structures (IEC 62305-4:2006; EN 62305-4:2006)  
- zamijenjena s: HRN EN 62305-4:2013

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

HRN EN 14890-1:2012 en  
Aplikacijsko sučelje za pametne kartice koje se upotrebljavaju kao uređaji za kreiranje sigurnog potpisa – 1. dio: Osnovne usluge (EN 14890-1:2008)  
Application Interface for smart cards used as Secure Signature Creation Devices – Part 1: Basic services (EN 14890-1:2008)  
- zamijenjena s: HRN EN 419212-1:2014

HRN EN 14890-2:2012 en  
Aplikacijsko sučelje za pametne kartice koje se upotrebljavaju kao uređaji za kreiranje sigurnog potpisa – 2. dio: Dodatne usluge (EN 14890-2:2008)  
Application Interface for smart cards used as Secure Signature Creation Devices – Part 2: Additional Services (EN 14890-2:2008)  
- zamijenjena s: HRN EN 419212-2:2014

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

HRN EN ISO 3326:2014 en  
Tvrdi metali – Određivanje (magnetizacija) koercitivnosti (ISO 3326:2013; EN ISO 3326:2013)  
Hardmetals – Determination of (the magnetization) coercivity (ISO 3326:2013; EN ISO 3326:2013)  
- bez zamjene

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

HRN EN 2032-1:2008 en  
Nizovi o zrakoplovstvu – Metalni materijali – 1. dio: Konvencionalno označavanje (EN 2032-1:2001)  
Aerospace series – Metallic materials – Part 1: Conventional designation (EN 2032-1:2001)  
- zamijenjena s: HRN EN 2032-001:2014

HRN EN 3268:2008 en  
Nizovi o zrakoplovstvu – Cijevni priključak 8°30' od legure titana – Utikači pod tlakom (EN 3268:2001)  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Pressure plugs (EN 3268:2001)  
- zamijenjena s: HRN EN 3268:2014

HRN EN 3631:2008 en  
Nizovi o zrakoplovstvu – Brtve za fluide, s priрубnicom, ravne, s koljenom od 90° – Brtvljenje s O-prstenom za cijevi debljine stijenke 0,8 mm (EN 3631:2008)  
Aerospace series – Fluid fittings, flanged, 90° elbowed – Sealing by O-ring for 0,8 mm thick tubes (EN 3631:2008)  
- zamijenjena s: HRN EN 3631:2014

HRN EN 3635:2008 en  
Nizovi o zrakoplovstvu – Zavarivanje rubova – Geometrijska konfiguracija (EN 3635:2008)  
Aerospace series – Weld lip – Geometrical configuration (EN 3635:2008)  
- zamijenjena s: HRN EN 3635:2014

HRN EN 3773-001:2008 en  
Nizovi o zrakoplovstvu – Automatski osigurači, jednopolni, temperaturno kompenzirani, nazivnih struja 1 A do 25 A, kapaciteta prekidanja 65 /n/1000 A max. – 001. dio: Tehnička specifikacija (EN 3773-001:1999)

Aerospace series – Circuit breakers, single-pole, temperature compensated, rated currents 1 A to 25 A, switching capacity 65 /n/1000 A max. – Part 001: Technical specification (EN 3773-001:1999)  
- zamijenjena s: HRN EN 3773-001:2014

HRN EN 3774-001:2008 en  
Nizovi o zrakoplovstvu – Automatski osigurači, tropolni, temperaturno kompenzirani, nazivnih struja 2 A do 25 A, kapaciteta prekidanja 25 /n – 001. dio: Tehnička specifikacija (EN 3774-001:1999)  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 2 A to 25 A, switching capacity 25 /n – Part 001: Technical specification (EN 3774-001:1999)  
- zamijenjena s: HRN EN 3774-001:2014

HRN EN 4551:2008 en  
Nizovi o zrakoplovstvu – Cijevni priključak 37°, od čelika otpornog na toplinu – Obrtne matice – Nizovi u inčima (EN 4551:2003)  
Aerospace series – Pipe coupling 37°, in heat resisting steel – Swivel nuts – Inch series (EN 4551:2003)  
- zamijenjena s: HRN EN 4551:2014

HRN EN 13290-5:2008 en  
Upravljanje svemirskim projektom – Opći zahtjevi – 5. dio: Upravljanje konfiguracijom (EN 13290-5:2001)  
Space project management – General requirements – Part 5: Configuration management (EN 13290-5:2001)  
- zamijenjena s: HRN EN 16601-40:2014

HRN EN 13290-6:2008 en  
Upravljanje svemirskim projektom – Opći zahtjevi – 6. dio: Upravljanje informacijama i dokumentacijom (EN 13290-6:2001)  
Space project management – General requirements – Part 6: Information/Documentation management (EN 13290-6:2001)  
- zamijenjena s: HRN EN 16601-40:2014

HRN EN 13290-7:2008 en  
Upravljanje svemirskim projektom – Opći zahtjevi – 7. dio: Upravljanje troškovima i planiranjem (EN 13290-7:2001)  
Space project management – General requirements – Part 7: Cost and schedule management (EN 13290-7:2001)  
- zamijenjena s: HRN EN 16601-60:2014

HRN EN 13291-2:2008 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Opći zahtjevi – 2. dio: Osiguravanje kvalitete (EN 13291-2:2003)  
Space product assurance – General requirements – Part 2: Quality assurance (EN 13291-2:2003)  
- zamijenjena s: HRN EN 16602-20:2014

HRN EN 14091:2008 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Toplinsko vakuum-ispitivanje ispuštanja plina radi provjere materijala za svemir (EN 14091:2002)  
Space product assurance – Thermal vacuum outgassing test for the screening of space materials (EN 14091:2002)  
- zamijenjena s: HRN EN 16602-70-02:2014

HRN EN 14093:2008 en  
Upravljanje svemirskim projektom – Organizacija i prikupljanje ocjena (EN 14093:2002)  
Space project management – Organization and conduct of reviews (EN 14093:2002)  
- zamijenjena s: HRN EN 16601-10-01:2014



HRN EN 14098:2008 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Toplinsko ciklično ispitivanje radi provjere svemirskih materijala i procesa (EN 14098:2001)  
Space product assurance – Thermal cycling test for the screening of space materials and processes (EN 14098:2001)  
- zamijenjena s: HRN EN 16602-70-04:2014

HRN EN 14160:2008 en  
Svemirsko inženjerstvo – Programaska podrška (EN 14160:2001)  
Space engineering – Software (EN 14160:2001)  
- zamijenjena s: HRN EN 16603-40:2014

HRN EN 14165:2008 en  
Norme za svemirsko inženjerstvo – Kontrola loma (EN 14165:2004)  
Space engineering standards – Fracture control (EN 14165:2004)  
- zamijenjena s: HRN EN 16603-32-01:2014

HRN EN 14607-2:2008 en  
Svemirsko inženjerstvo – Strojarsvo – 2. dio: Strukturno (EN 14607-2:2004)  
Space engineering – Mechanical – Part 2: Structural (EN 14607-2:2004)  
- zamijenjena s: HRN EN 16603-32:2014

HRN EN 14607-5-1:2008 en  
Svemirsko inženjerstvo – Strojarsvo – Dio 5-1: Tekući i električni pogon za svemirsku letjelicu (EN 14607-5-1:2004)  
Space engineering – Mechanical – Part 5-1: Liquid and electric propulsion for spacecraft (EN 14607-5-1:2004)  
- zamijenjena s: HRN EN 16603-35-01:2014

HRN EN 14612:2008 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Potvrđivanje i odobravanje lemljenja izvedenog automatskim oscilatornim strojevima (EN 14612:2003)  
Space product assurance – Verification and approval of automatic machine wave soldering (EN 14612:2003)  
- zamijenjena s: HRN EN 16602-70-07:2014

HRN EN 14738:2008 en  
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Analiza opasnosti od nesreća (EN 14738:2004)  
Space product assurance – Hazard analysis (EN 14738:2004)  
- zamijenjena s: HRN EN 16602-40-02:2014

HRN EN 14824:2008 en  
Svemirsko inženjerstvo – Ispitivanje (EN 14824:2003)  
Space engineering – Testing (EN 14824:2003)  
- zamijenjena s: HRN EN 16603-10-03:2014

HRN EN ISO 17666:2008 en  
Svemirski sustavi – Upravljanje rizikom (ISO 17666:2003; EN ISO 17666:2003)  
Space systems – Risk management (ISO 17666:2003; EN ISO 17666:2003)  
- zamijenjena s: HRN EN 16601-80:2014

HRN EN ISO 21351:2008 en  
Svemirski sustavi – Funkcionalne i tehničke značajke (ISO 21351:2005; EN ISO 21351:2005)  
Space systems – Functional and technical specifications (ISO 21351:2005; EN ISO 21351:2005)  
- zamijenjena s: HRN EN 16603-10-06:2014

## HZNTU V1, *Elektronika 1*

HRN EN 50065-1:2003 en  
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – 1. dio: Opći zahtjevi, frekvencijski pojasi i elektromagnetske smetnje (EN 50065-1:2001)  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 1: General requirements, frequency bands and electromagnetic disturbances (EN 50065-1:2001)  
- zamijenjena s: HRN EN 50065-1:2012

HRN EN 50065-1:2003/A1:2011 en  
Signalizacija na niskonaponskim električnim instalacijama u frekvencijskom opsegu 3 kHz do 148,5 kHz – 1. dio: Opći zahtjevi, frekvencijski pojasi i elektromagnetske smetnje (EN 50065-1:2001/A1:2010)  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 1: General requirements, frequency bands and electromagnetic disturbances (EN 50065-1:2001/A1:2010)  
- zamijenjena s: HRN EN 50065-1:2012

HRN EN 50090-2-1:2008 en  
Home and Building Electronic Systems (HBES) – Part 2-1: System overview – Architecture (EN 50090-2-1:1994)  
- zamijenjena s: HRN EN 50090-1:2012

HRN EN 50090-2-2:2008 en  
Elektronički sustavi u stanovima i zgradama (ESSZ) – Dio 2-2: Pregled sustava – Opći tehnički zahtjevi (EN 50090-2-2:1996)  
Home and building Electronic systems (HBES) – Part 2-2: System overview – General technical requirements (EN 50090-2-2:1996)  
- zamijenjena s: HRN EN 50491-3:2010, HRN EN 50491-5-1:2011, HRN EN 50491-5-2:2011, HRN EN 50491-5-3:2011

HRN EN 50090-2-2:2008/A1:2008 en  
Elektronički sustavi u stanovima i zgradama (ESSZ) – Dio 2-2: Pregled sustava – Opći tehnički zahtjevi (EN 50090-2-2:1996/A1:2002)  
Home and building Electronic systems (HBES) – Part 2-2: System overview – General technical requirements (EN 50090-2-2:1996/A1:2002)  
- zamijenjena s: HRN EN 50491-5-1:2011, HRN EN 50491-5-2:2011, HRN EN 50491-5-3:2011

HRN EN 50090-2-2:2008/A2:2008 en  
Elektronički sustavi u stanovima i zgradama (ESSZ) – Dio 2-2: Pregled sustava – Opći tehnički zahtjevi (EN 50090-2-2:1996/A2:2007)  
Home and Building Electronic Systems (HBES) – Part 2-2: System overview – General technical requirements (EN 50090-2-2:1996/A2:2007)  
- zamijenjena s: HRN EN 50491-5-1:2011, HRN EN 50491-5-2:2011, HRN EN 50491-5-3:2011

HRN EN 50090-2-2:2008/Ispr.1:2013 en  
Elektronički sustavi u stanovima i zgradama (ESSZ) – Dio 2-2: Pregled sustava – Opći tehnički zahtjevi (EN 50090-2-2:1996/AC:1997)  
Home and Building Electronic Systems (HBES) – Part 2-2: System overview – General technical requirements (EN 50090-2-2:1996/AC:1997)  
- zamijenjena s: HRN EN 50491-3:2010

HRN EN 60115-1:2008 en  
Fixed resistors for use in electronic equipment – Part 1: Generic specification (IEC 60115-1:1999, MOD+am1:2001; EN 60115-1:2001+A1:2001)  
- zamijenjena s: HRN EN 60115-1:2012

- HRN EN 60115-1:2008/A11:2008 en  
Fixed resistors for use in electronic equipment – Part 1: Generic specification (EN 60115-1:2001/A11:2007)  
- zamijenjena s: HRN EN 60115-1:2012
- HRN EN 60539-1:2008 en  
Directly heated negative temperature coefficient thermistors – Part 1: Generic specification (IEC 60539-1:2002; EN 60539-1:2002)  
- zamijenjena s: HRN EN 60539-1:2009
- HRN EN 60891:2008 en  
Procedures for temperature and irradiance corrections to measured I-V characteristics of crystalline silicon photovoltaic devices (IEC 60891:1987+am1:1992; EN 60891:1994)  
- zamijenjena s: HRN EN 60891:2011
- HRN EN 60904-1:2008 en  
Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics (IEC 60904-1:1987; EN 60904-1:1993)  
- zamijenjena s: HRN EN 60904-1:2009
- HRN EN 60904-2:2008 en  
Photovoltaic devices – Part 2: Requirements for reference solar cells (IEC 60904-2:1989+am1:1998; EN 60904-2:1993+A1:1998)  
- zamijenjena s: HRN EN 60904-2:2009
- HRN EN 60904-3:2008 en  
Photovoltaic devices – Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data (IEC 60904-3:1989; EN 60904-3:1993)  
- zamijenjena s: HRN EN 60904-3:2009
- HRN EN 60904-5:2008 en  
Photovoltaic devices – Part 5: Determination of the equivalent cell temperature (ECT) of photovoltaic (PV) devices by the open-circuit voltage method (IEC 60904-5:1993; EN 60904-5:1995)  
- zamijenjena s: HRN EN 60904-5:2012
- HRN EN 60904-6:2008 en  
Photovoltaic devices – Part 6: Requirements for reference solar modules (IEC 60904-6:1994+am1:1998; EN 60904-6:1994+A1:1998)  
- zamijenjena s: HRN EN 60904-2:2009
- HRN EN 60904-7:2008 en  
Photovoltaic devices – Part 7: Computation of spectral mismatch error introduced in the testing of a photovoltaic device (IEC 60904-7:1998; EN 60904-7:1998)  
- zamijenjena s: HRN EN 60904-7:2009
- HRN EN 60904-10:2008 en  
Photovoltaic devices – Part 10: Methods of linearity measurement (IEC 60904-10:1998; EN 60904-10:1998)  
- zamijenjena s: HRN EN 60904-10:2011
- HRN EN 61010-1:2001 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – 1. dio: Opći zahtjevi (IEC 61010-1:2001; EN 61010-1:2001)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements (IEC 61010-1:2001; EN 61010-1:2001)  
- zamijenjena s: HRN EN 61010-1:2011
- HRN EN 61010-1/Corr.:2002 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – 1. dio: Opći zahtjevi (IEC 61010-1:2001/Corr.1:2002; EN 61010-1:2001/Corr.:2002)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 1: General requirements (IEC 61010-1:2001/Corr.1:2002; EN 61010-1:2001/Corr.:2002)  
- zamijenjena s: HRN EN 61010-1:2011
- HRN EN 61010-1/Corr.2:2004 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – 1. dio: Opći zahtjevi (IEC 61010-1:2001/Corr.2:2003; EN 61010-1:2001/Corr.2:2003)  
Safety requirements for electrical equipment for measurement, control and laboratory use -Part 1: General requirements (IEC 61010-1:2001/Corr.2:2003; EN 61010-1:2001/Corr.2:2003)  
- zamijenjena s: HRN EN 61010-1:2011
- HRN EN 61010-2-010:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-010: Posebni zahtjevi za laboratorijsku opremu za grijanje tvari (IEC 61010-2-010:1992, preinačena; EN 61010-2-010:1994)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-010: Particular requirements for laboratory equipment for the heating of materials (IEC 61010-2-010:1992, modified; EN 61010-2-010:1994)  
- zamijenjena s: HRN EN 61010-2-010:2004
- HRN EN 61010-2-010/A1:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-010: Posebni zahtjevi za laboratorijsku opremu za grijanje tvari (IEC 61010-2-010:1992/A1:1996; EN 61010-2-010:1994/A1:1996)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-010: Particular requirements for laboratory equipment for the heating of materials (IEC 61010-2-010:1992/A1:1996; EN 61010-2-010:1994/A1:1996)  
- zamijenjena s: HRN EN 61010-2-010:2004
- HRN EN 61010-2-020:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-020: Posebni zahtjevi za laboratorijske centrifuge (IEC 61010-2-020:1992, preinačena+am1:1996; EN 61010-2-020:1994+A1:1996)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-020: Particular requirements for laboratory centrifuges (IEC 61010-2-020:1992, modified+am1:1996; EN 61010-2-020:1994+A1:1996)  
- zamijenjena s: HRN EN 61010-2-020:2008
- HRN EN 61010-2-031:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-031: Posebni zahtjevi za ručne sonde za električna mjerenja i ispitivanja (IEC 61010-2-031:1993; EN 61010-2-031:1994)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-031: Particular requirements for hand-held probe assemblies for electrical measurement and testing (IEC 61010-2-031:1993; EN 61010-2-031:1994)  
- zamijenjena s: HRN EN 61010-031:2002
- HRN EN 61010-2-032:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-032: Posebni zahtjevi za ručna strujna kliješta za električna mjerenja i ispitivanja (IEC 61010-2-032:1994; EN 61010-2-032:1995)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-032: Particular requirements for hand-held current clamps for electrical measurement and testing (IEC 61010-2-032:1994; EN 61010-2-032:1995)  
- zamijenjena s: HRN EN 61010-2-032:2004

- HRN EN 61010-2-041:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-041: Posebni zahtjevi za autoklave koji upotrebljavaju vodenu paru za obrađivanje medicinskih tvari i za laboratorijske procese (IEC 61010-2-041:1995; EN 61010-2-041:1996+Corr.1:1996)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-041: Particular requirements for autoclaves using steam for the treatment of medical materials, and for laboratory processes (IEC 61010-2-041:1995; EN 61010-2-041:1996+Corr.1:1996)  
- zamijenjena s: HRN EN 61010-2-040:2008
- HRN EN 61010-2-042:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-042: Posebni zahtjevi za autoklave i sterilizatore koji upotrebljavaju otrovni plin za obrađivanje medicinskih tvari i za laboratorijske procese (IEC 61010-2-042:1997; EN 61010-2-042:1997)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-042: Particular requirements for autoclaves and sterilizers using toxic gas for the treatment of medical materials, and for laboratory processes (IEC 61010-2-042:1997; EN 61010-2-042:1997)  
- zamijenjena s: HRN EN 61010-2-040:2008
- HRN EN 61010-2-043:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-043: Posebni zahtjevi za sterilizatore koji upotrebljavaju suhi vrući zrak ili vrući inertni plin za obrađivanje medicinskih tvari i za laboratorijske procese (IEC 61010-2-043:1997; EN 61010-2-043:1997)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-043: Particular requirements for dry heat sterilizers using either hot air or hot inert gas for the treatment of medical materials, and for laboratory processes (IEC 61010-2-043:1997; EN 61010-2-043:1997)  
- zamijenjena s: HRN EN 61010-2-040:2008
- HRN EN 61010-2-045:2001 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-045: Posebni zahtjevi za perilice za raskuživanje koje se koriste u medicini, ljekarništvu, veterini i laboratorijima (IEC 61010-2-045:2000; EN 61010-2-045:2000)  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-045: Particular requirements for washer disinfectors used in medical, pharmaceutical, veterinary and laboratory fields (IEC 61010-2-045:2000; EN 61010-2-045:2000)  
- zamijenjena s: HRN EN 61010-2-040:2008
- HRN EN 61010-2-051:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-051: Posebni zahtjevi za laboratorijsku opremu za miješanje i stiring (IEC 61010-2-051:1995; EN 61010-2-051:1995)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-051: Particular requirements for laboratory equipment for mixing and stirring (IEC 61010-2-051:1995; EN 61010-2-051:1995)  
- zamijenjena s: HRN EN 61010-2-051:2004
- HRN EN 61010-2-061:2000 en  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-061: Posebni zahtjevi za laboratorijske atomske spektrometre s termičkom atomizacijom i ionizacijom (IEC 61010-2-061:1995; EN 61010-2-061:1996)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-061: Particular requirements for laboratory atomic spectrometers with thermal atomization and ionization (IEC 61010-2-061:1995; EN 61010-2-061:1996)  
- zamijenjena s: HRN EN 61010-2-061:2004
- HRN EN 61277:2008 en  
Terrestrial photovoltaic (PV) power generating systems – General and guide (IEC 61277:1995; EN 61277:1998)  
- bez zamjene
- HRN EN 61646:2008 en  
Thin-film terrestrial photovoltaic (PV) modules – Design qualification and type approval (IEC 61646:1996; EN 61646:1997)  
- zamijenjena s: HRN EN 61646:2009
- HRN EN 61747-3-1:2008 en  
Liquid crystal and solid-state display devices – Part 3-1: Liquid crystal display (LCD) cells – Blank detail specification (IEC 61747-3-1:1998; EN 61747-3-1:1999)  
- zamijenjena s: HRN EN 61747-3-1:2009
- HRN EN 61747-3:2008 en  
Liquid crystal and solid state display devices – Part 3: Sectional specification for liquid crystal display (LCD) cells (IEC 61747-3:1998; EN 61747-3:1999)  
- zamijenjena s: HRN EN 61747-3:2009
- HRN EN 61988-1:2008 en  
Plasma display panels – Part 1: Terminology and letter symbols (IEC 61988-1:2003; EN 61988-1:2003)  
- zamijenjena s: HRN EN 61988-1:2012
- HRN EN 120006:2008 en  
Blank Detail Specification – PIN-photodiodes for fibre optic applications (EN 120006:1992)  
- bez zamjene
- HRN EN 120008:2008 en  
Blank Detail Specification – Light emitting diodes and infrared emitting diodes for fibre optic system or sub-system (EN 120008:1993)  
- bez zamjene

## 1.5 Povučeni nacrti hrvatskih norma

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

- nHRN EN 71-1 hr pp  
Sigurnost igračaka – 1. dio: Mehanička i fizikalna svojstva (EN 71-1:2011)  
Safety of toys – Part 1: Mechanical and physical properties (EN 71-1:2011)

## 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 46, *Bibliotekarstvo, dokumentacija i informacije*

- umjesto
- HRN ISO 15706:2004  
Informacije i dokumentacija – Međunarodni standardni audiovizualni broj (ISAN) (ISO 15706:2002)  
Information and documentation – International Standard Audiovisual Number (ISAN) (ISO 15706:2002)

• **treba biti**

HRN ISO 15706-1:2004  
Informacije i dokumentacija – Međunarodni standardni audiovizualni broj (ISAN) – 1. Dio: **Identifikator audiovizualnog djela (ISO 15706-1:2002)**  
Information and documentation – International Standard Audiovisual Number (ISAN) – **Part 1: Audiovisual work identifier (ISO 15706-1:2002)**

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

• **umjesto**

HRN EN 14397-1:2010  
Gnojiva i **materijali** za kalcifikaciju – Određivanje ugljikovog dioksida – 1. dio: Metoda za kruta gnojiva (EN 14397-1:2010)  
Fertilizers and liming materials – Determination of carbon dioxide – Part 1: Method for solid fertilizers (EN 14397-1:2010)

• **treba biti**

HRN EN 14397-1:2010  
Gnojiva i **tvari** za kalcifikaciju – Određivanje ugljikovog dioksida – 1. dio: Metoda za kruta gnojiva (EN 14397-1:2010)  
Fertilizers and liming materials – Determination of carbon dioxide – Part 1: Method for solid fertilizers (EN 14397-1:2010)

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

• **umjesto**

HRN EN 71-8:2012  
Sigurnost igračaka – 8. dio: Igračke za **uporabu** u kućanstvu (EN 71-8:2011)  
Safety of toys – Part 8: Activity toys for domestic use (EN 71-8:2011)

• **treba biti**

HRN EN 71-8:2012  
Sigurnost igračaka – 8. dio: Igračke **za fizičku aktivnost** u kućanstvu (EN 71-8:2011)  
Safety of toys – Part 8: Activity toys for domestic use (EN 71-8:2011)

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

• **umjesto**

HRN CEN/TS 16641:2014  
Tekstilne podne obloge – Smjernice za prihvatljivo odstupanje obojenja (CEN/TS 16641:2014)

• **treba biti**

HRS CEN/TS 16641:2014  
Tekstilne podne obloge – Smjernice za prihvatljivo odstupanje obojenja (CEN/TS 16641:2014)

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

• **umjesto**

HRS CEN/TS 15863:2012  
Karakterizacija otpada – Ispitivanje ponašanja izluživanja za osnovnu karakterizaciju – Dinamička provjera monolitnog izluživanja s periodičkom obnovom **lužine** pri stalnim uvjetima ispitivanja (CEN/TS 15863:2012)  
Characterisation of waste – Leaching behaviour test for basic characterisation – Dynamic Monolithic Leaching Test with periodic leachant renewal, under fixed test conditions (CEN/TS 15863:2012)

• **treba biti**

HRS CEN/TS 15863:2012  
Karakterizacija otpada – Ispitivanje ponašanja pri izluživanju za osnovnu karakterizaciju – Dinamička provjera monolitnog izluživanja s periodičnom obnovom **procjedne vode** pri stalnim uvjetima ispitivanja (CEN/TS 15863:2012)  
Characterisation of waste – Leaching behaviour test for basic characterisation – Dynamic Monolithic Leaching Test with periodic leachant renewal, under fixed test conditions (CEN/TS 15863:2012)

• **umjesto**

HRS CEN/TS 15864:2012  
Karakterizacija otpada – Ispitivanje ponašanja izluživanja za osnovnu karakterizaciju – Dinamička monolitna provjera izluživanja sa stalnom obnovom **lužine** u uvjetima relevantnim za **specifični(e)** scenarij(e) (CEN/TS 15864:2012)  
Characterisation of waste – Leaching behaviour test for basic characterisation – Dynamic monolithic leaching test with continuous leachant renewal under conditions relevant for specified scenario(s) (CEN/TS 15864:2012)

• **treba biti**

HRS CEN/TS 15864:2012  
Karakterizacija otpada – Ispitivanje ponašanja izluživanja za osnovnu karakterizaciju – Dinamička monolitna provjera izluživanja sa stalnom obnovom **procjedne vode** u uvjetima relevantnim za **specificirane** scenarije (CEN/TS 15864:2012)  
Characterisation of waste – Leaching behaviour test for basic characterisation – Dynamic monolithic leaching test with continuous leachant renewal under conditions relevant for specified scenario(s) (CEN/TS 15864:2012)

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

• **umjesto**

HRN EN 14531-6:2009  
Željeznički sustav – Metode proračuna zaustavnih puteva, **razmaka usporenja** i pritvrdnog kočenja – 6. dio: **Korak-po-korak** proračun za motorne vlakove ili pojedinačna vozila (EN 14531-6:2009)  
Railway applications – Methods for calculation of stopping and slowing distances and immobilisation braking – Part 6: Step by step calculations for train sets or single vehicles (EN 14531-6:2009)

• **treba biti**

HRN EN 14531-6:2009  
Željeznički sustav – Metode proračuna zaustavnih puteva, **puteva usporenja** i pritvrdnog kočenja – 6. dio: **Korak po korak** proračun za motorne vlakove ili pojedinačna vozila (EN 14531-6:2009)  
Railway applications – Methods for calculation of stopping and slowing distances and immobilisation braking – Part 6: Step by step calculations for train sets or single vehicles (EN 14531-6:2009)

• **umjesto**

HRN EN 16362:2014  
Željeznički sustav – Stacionarna **prateća** služba – Oprema za nadopunu vode (EN 16362:2013)  
Railway applications – Ground based services – Water restocking equipment (EN 16362:2013)

• **treba biti**

HRN EN 16362:2014  
Željeznički sustav – Stacionarna služba – Oprema za nadopunu vode (EN 16362:2013)  
Railway applications – Ground based services – Water restocking equipment (EN 16362:2013)



## HZN/TO 557, *Zaštitna odjeća*

- **umjesto**
- HRN EN 13138-1:2014  
Plutajuća pomagala za poduku plivanja – 1. dio: Sigurnosni zahtjevi i ispitne metode za plutajuća pomagala **koja se mogu obući** (EN 13138-1:2014)  
Buoyant aids for swimming instruction – Part 1: Safety requirements and test methods for buoyant aids to be worn (EN 13138-1:2014)
- **treba biti**
- HRN EN 13138-1:2014  
Plutajuća pomagala za poduku plivanja – 1. dio: Sigurnosni zahtjevi i ispitne metode za plutajuća pomagala **koja se oblače** (EN 13138-1:2014)  
Buoyant aids for swimming instruction – Part 1: Safety requirements and test methods for buoyant aids to be worn (EN 13138-1:2014)
- **umjesto**
- HRN EN ISO 17491-4:2010  
Zaštitna odjeća – Ispitne metode za odjeću **koja štiti od kemikalija** – 4. dio: Određivanje otpornosti na propuštanje **spreja** tekućine (**test spreja**) (ISO 17491-4:2008; EN ISO 17491-4:2008)  
Protective clothing – Test methods for clothing providing protection against chemicals – Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (ISO 17491-4:2008; EN ISO 17491-4:2008)
- **treba biti**
- HRN EN ISO 17491-4:2010  
Zaštitna odjeća – Ispitne metode za odjeću **za zaštitu od kemikalija** – 4. dio: Određivanje otpornosti na propuštanje **raspršene** tekućine (**sprej test**) (ISO 17491-4:2008; EN ISO 17491-4:2008)  
Protective clothing – Test methods for clothing providing protection against chemicals – Part 4: Determination of resistance to penetration by a spray of liquid (spray test) (ISO 17491-4:2008; EN ISO 17491-4:2008)

## HZN/TO 569, *Hrana za životinje*

- **umjesto**
- HRN EN 15792:2010  
Hrana za životinje – Određivanje zearalenona u hrani za životinje – Metoda **visokotlačne tekućinske kromatografije** s fluorescentnom detekcijom i čišćenjem imunoafinitetne kolone (EN 15792:2009)  
Animal feeding stuffs – Determination of zearalenone in animal feed – High performance liquid chromatographic method with fluorescence detection and immunoaffinity column clean-up (EN 15792:2009)
- **treba biti**
- HRN EN 15792:2010  
Hrana za životinje – Određivanje zearalenona u hrani za životinje – Metoda **tekućinske kromatografije visokog učinka** s fluorescentnom detekcijom i čišćenjem imunoafinitetne kolone (EN 15792:2009)  
Animal feeding stuffs – Determination of zearalenone in animal feed – High performance liquid chromatographic method with fluorescence detection and immunoaffinity column clean-up (EN 15792:2009)

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

- **umjesto**
- HRN EN 50550:2013  
**Energetski frekvencijski uređaj za zaštitu od prenapona** za kućanstvo i slične primjene (POP) (EN 50550:2011+AC:2012)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011+AC:2012)
- **treba biti**
- HRN EN 50550:2013  
**Uređaj za zaštitu od prenapona energetske frekvencije** za kućanstvo i slične primjene (POP) (EN 50550:2011+AC:2012)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011+AC:2012)
- **umjesto**
- HRN EN 50550:2013/A1:2014  
**Energetski frekvencijski uređaj za zaštitu od prenapona** za kućanstvo i slične primjene (POP) (EN 50550:2011/A1:2014)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011/A1:2014)
- **treba biti**
- HRN EN 50550:2013/A1:2014  
**Uređaj za zaštitu od prenapona energetske frekvencije** za kućanstvo i slične primjene (POP) (EN 50550:2011/A1:2014)  
Power frequency overvoltage protective device for household and similar applications (POP) (EN 50550:2011/A1:2014)

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

- **umjesto**
- HRN EN 16603-60-10:2014  
Svemirsko inženjerstvo – Značajke **kontrole** (EN 16603-60-10:2014)  
Space engineering – Control performances (EN 16603-60-10:2014)
- **treba biti**
- HRN EN 16603-60-10:2014  
Svemirsko inženjerstvo – Značajke **upravljačkih sustava** (EN 16603-60-10:2014)  
Space engineering – Control performances (EN 16603-60-10:2014)
- **umjesto**
- HRN EN 16603-50-13:2014  
Svemirsko inženjerstvo – Sučelje i komunikacijski protokol za MIL-STD-1553B sabirnicu podataka **svemirske letjelice** (EN 16603-50-13:2014)  
Space engineering – Interface and communication protocol for MIL-STD-1553B data bus onboard spacecraft (EN 16603-50-13:2014)
- **treba biti**
- HRN EN 16603-50-13:2014  
Svemirsko inženjerstvo – Sučelje i komunikacijski protokol za MIL-STD-1553B sabirnicu podataka **u svemirskoj letjelici** (EN 16603-50-13:2014)  
Space engineering – Interface and communication protocol for MIL-STD-1553B data bus onboard spacecraft (EN 16603-50-13:2014)
- **umjesto**
- HRN EN 16603-35-03:2014

Svemirsko inženjerstvo – Tekući i **električni** pogon za lansere (EN 16603-35-03:2014)  
Space engineering – Liquid propulsion for launchers (EN 16603-35-03:2014)

• **treba biti**

HRN EN 16603-35-03:2014  
Svemirsko inženjerstvo – Tekući pogon za lansere (EN 16603-35-03:2014)  
Space engineering – Liquid propulsion for launchers (EN 16603-35-03:2014)

### **HZN/TO 528, Oprema za željeznice i HZN/TO E9, Električna oprema za željeznicu**

Tehnički odbori HZN/TO 528, *Oprema za željeznice* i HZN/TO E9, *Električna oprema za željeznicu* donijeli su odluku o usklađivanju naslova norma za željeznice. Dogovoreno je da se engleski naziv „railway applications“ prevodi kao „željeznički sustav“.

Zbog toga se objavljuje ispravak svih naslova norma iz područja rada HZN/TO 528 i HZN/TO E9 koje u prvom dijelu naslova sadrže riječi „**oprema za željeznice**“ odnosno „**željezničke primjene**“ u „**željeznički sustav**“.

• **umjesto**  
oprema za željeznice

• **treba biti**  
željeznički sustav

• **umjesto**  
željezničke primjene

• **treba biti**  
željeznički sustav

Navedeni su ispravci provedeni u katalogu hrvatskih norma.

## **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 35, Boje i lakovi**

HRN EN ISO 276:2010  
Binders for paints and varnishes – Linseed stand oil – Requirements and methods of test (ISO 276:2002; EN ISO 276:2010)  
Veziva za boje i lakove – Laneno *stand* ulje – Zahtjevi i metode ispitivanja (ISO 276:2002; EN ISO 276:2010)

HRN EN ISO 4619:2010  
Driers for paints and varnishes (ISO 4619:1998; EN ISO 4619:2010)  
Sušila za boje i lakove (ISO 4619:1998; EN ISO 4619:2010)

HRN EN ISO 8623:2010  
Tall-oil fatty acids for paints and varnishes – Specifications and test methods (ISO 8623:1997; EN ISO 8623:2010)  
Masne kiseline talnog ulja za boje i lakove – Specifikacije i metode ispitivanja (ISO 8623:1997; EN ISO 8623:2010)

HRN EN ISO 9117-2:2011  
Paints and varnishes – Drying tests – Part 2: Pressure test for stackability (ISO 9117-2:2010; EN ISO 9117-2:2010)  
Boje i lakovi – Ispitivanja sušenjem – 2. dio: Tlačno ispitivanje otpornosti na slijepljivanje (ISO 9117-2:2010; EN ISO 9117-2:2010)

HRN EN ISO 9117-3:2011  
Paints and varnishes – Drying tests – Part 3: Surface-drying test using ballotini (ISO 9117-3:2010; EN ISO 9117-3:2010)  
Boje i lakovi – Ispitivanja sušenjem – 3. dio: Ispitivanje sušenja površine Ballotinijevom metodom (ISO 9117-3:2010; EN ISO 9117-3:2010)

HRN EN ISO 10601:2008  
Micaceous iron oxide pigments for paints – Specifications and test methods (ISO 10601:2007; EN ISO 10601:2008)  
Liskunasti pigmenti željeznog oksida za boje – Specifikacije i metode ispitivanja (ISO 10601:2007; EN ISO 10601:2008)

HRN EN ISO 14446:2010  
Binders for paints and varnishes – Determination of the viscosity of industrial cellulose nitrate solutions and classification of such solutions (ISO 14446:1999; EN ISO 14446:2010)  
Veziva za boje i lakove – Određivanje viskoznosti industrijske otopine celuloznog nitrata i klasifikacija takvih otopina (ISO 14446:1999; EN ISO 14446:2010)

HRN EN ISO 15234:2010  
Paints and varnishes – Testing of formaldehyde-emitting coatings and melamine foams – Determination of the steady-state concentration of formaldehyde in a small test chamber (ISO 15234:1999; EN ISO 15234:2010)  
Boje i lakovi – Ispitivanje formaldehid emitirajućih prevlaka i melaminskih pjena – Određivanje ustaljene koncentracije formaldehida u maloj ispitnoj komori (ISO 15234:1999; EN ISO 15234:2010)

HRN EN ISO 21227-2:2008  
Paints and varnishes – Evaluation of defects on coated surfaces using optical imaging – Part 2: Evaluation procedure for multi-impact stone-chipping test (ISO 21227-2:2006; EN ISO 21227-2:2006)  
Boje i lakovi – Procjena oštećenja na zaštićenim površinama pomoću digitalne slike – 2. dio: Postupak procjene za ispitivanje kamenim krhotinama s više udara (ISO 21227-2:2006; EN ISO 21227-2:2006)

HRN EN ISO 21227-3:2008  
Paints and varnishes – Evaluation of defects on coated surfaces using optical imaging – Part 3: Evaluation of delamination and corrosion around a scribe (ISO 21227-3:2007; EN ISO 21227-3:2007)  
Boje i lakovi – Procjena oštećenja na zaštićenim površinama pomoću digitalne slike – 3. dio: Procjena raslojavanja i korozije oko ogrebotine (ISO 21227-3:2007; EN ISO 21227-3:2007)

HRN EN ISO 21227-4:2008  
Paints and varnishes – Evaluation of defects on coated surfaces using optical imaging – Part 4: Evaluation of filiform corrosion (ISO 21227-4:2008; EN ISO 21227-4:2008)  
Boje i lakovi – Procjena oštećenja na zaštićenim površinama pomoću digitalne slike – 3. dio: Procjena pukotinske korozije (ISO 21227-4:2008; EN ISO 21227-4:2008)

### **HZN/TO 146, Kvaliteta zraka**

HRN EN ISO 16000-19:2014  
Indoor air – Part 19: Sampling strategy for moulds (ISO 16000-19:2012; EN ISO 16000-19:2014)  
Zrak u zatvorenom prostoru – 19. dio: Strategija uzorkovanja za plijesni (ISO 16000-19:2012; EN ISO 16000-19:2014)

## **HZNTO 524, Cestovni prijevoz i prometna telematika**

- HRS ENV 12313-4:2008  
Traffic and Traveller Information (TTI) – TTI Messages via Traffic Message Coding – Part 4: Coding Protocol for Radio Data System – Traffic Message Channel (RDS-TMC) – RDS-TMC using ALERT Plus with ALERT C (ENV 12313-4:2000)  
Informacije o prometu i putovanju (TTI) – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 4. dio: Protokol za kodiranje u sustavu prijenosa podataka putem radija – Kanal za prijenos podataka o prometu (RDS-TMC) – RDS-TMC uporabom ALERT Plus i ALERT C protokola (ENV 12313-4:2000)
- HRS ENV 12796:2008  
Road transport and traffic telematics – Public transport – Validators (ENV 12796:1997)  
Cestovni prijevoz i prometna telematika – Javni prijevoz – Validacijski uređaji (ENV 12796:1997)
- HRN EN 12896:2008  
Road transport and traffic telematics – Public transport – Reference data model (EN 12896:2006)  
Cestovni prijevoz i prometna telematika – Javni prijevoz – Referentni model podataka (EN 12896:2006)
- HRN EN 13149-1:2008  
Public transport – Road vehicle scheduling and control systems – Part 1: WORLDIFIP definition and application rules for onboard data transmission (EN 13149-1:2004)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 1. dio: Opis sustava WORLDIFIP i pravila primjene za prijenos podataka u vozilu (EN 13149-1:2004)
- HRN EN 13149-2:2008  
Public transport – Road vehicle scheduling and control systems – Part 2: WORLDIFIP cabling specifications (EN 13149-2:2004)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 2. dio: Specifikacije ožičenja sustava WORLDIFIP (EN 13149-2:2004)
- HRN EN 13149-4:2008  
Public transport – Road vehicle scheduling and control systems – Part 4: General application rules for CANopen transmission buses (EN 13149-4:2004)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 4. dio: Osnovna pravila primjene za CANopen prijenosne sabirnice (EN 13149-4:2004)
- HRN EN 13149-5:2008  
Public transport – Road vehicle scheduling and control systems – Part 5: CANopen cabling specifications (EN 13149-5:2004)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 5. dio: Specifikacije ožičenja za CANopen (EN 13149-5:2004)
- HRS CEN/TS 13149-3:2008  
Public transport – Road vehicle scheduling and control systems – Part 3: WorldFIP message content (CEN/TS 13149-3:2007)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 3. dio: Sadržaj poruke WorldFIP (CEN/TS 13149-3:2007)
- HRS CEN/TS 13149-6:2008  
Public transport – Road vehicle scheduling and control systems – Part 6: CAN message content (CEN/TS 13149-6:2005)  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 6. dio: Sadržaj poruke CAN protokola (CEN/TS 13149-6:2005)
- HRS ENV 13998:2008  
Road transport and traffic telematics – Public transport – Non-interactive dynamic passenger information on ground (ENV 13998:2001)  
Cestovni prijevoz i prometna telematika – Javni prijevoz – Neinteraktivne dinamičke putničke informacije izvan vozila (ENV 13998:2001)
- HRN EN ISO 14819-6:2008  
Traffic and Traveller Information (TTI) – TTI messages via traffic message coding – Part 6: Encryption and conditional access for the Radio Data System – Traffic Message Channel ALERT C coding (ISO 14819-6:2006; EN ISO 14819-6:2006)  
Informacije o prometu i putovanju (TTI) – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 6. dio: Enkripcijski i uvjetovani pristup sustavu prijenosa podataka putem radija (RDS) – ALERT C kodiranje na kanalu za prometne poruke (ISO 14819-6:2006; EN ISO 14819-6:2006)
- HRI CEN/TR 15762:2008  
Road transport and traffic telematics – Electronic fee collection (EFC) – Ensuring the correct function of EFC equipment installed behind metallised windshield (CEN/TR 15762:2008)  
Cestovni prijevoz i prometna telematika – Elektronička naplata – Osiguravanje ispravnog funkcioniranja opreme za elektroničku naplatu iza metaliziranoga vjetrobranskog stakla (CEN/TR 15762:2008)
- HRN EN ISO 17287:2008  
Road vehicles – Ergonomic aspects of transport information and control systems – Procedure for assessing suitability for use while driving (ISO 17287:2003; EN ISO 17287:2003)  
Cestovna vozila – Ergonomski aspekti prometnih podataka i upravljačkih sustava – Postupci procjene prikladnosti za uporabu tijekom upravljanja vozilom (ISO 17287:2003; EN ISO 17287:2003)
- HRS ENV 13093:2008  
Public transport – Road vehicles – Driver's console mechanical interface requirements – Minimum display and keypad parameters (ENV 13093:1998)  
Javni prijevoz – Cestovna vozila – Zahtjevi za mehaničko sučelje vozačke konzole – Minimalni parametri za predočnik i tipkovnicu (ENV 13093:1998)
- HRS CEN/TS 15504:2008  
Public transport – Road vehicles – Visible variable passenger information devices inside the vehicle (CEN/TS 15504:2007)  
Javni prijevoz – Cestovna vozila – Uređaji za vidljive promjenjive putničke informacije unutar vozila (CEN/TS 15504:2007)
- HRS CEN ISO/TS 14823:2008  
Traffic and travel information – Messages via media independent stationary dissemination systems – Graphic data dictionary for pre-trip and in-trip information dissemination systems (ISO/TS 14823:2008; CEN ISO/TS 14823:2008)  
Informacije o prometu i putovanju – Poruke putem stacionarnih sustava distribucije informacija neovisnih od medija – Rječnik grafičkih podataka sustava distribucije za predputne i putne informacije (ISO/TS 14823:2008; CEN ISO/TS 14823:2008)
- HRN EN ISO 17264:2010  
Intelligent transport systems – Automatic vehicle and equipment identification – Interfaces (ISO 17264:2009; EN ISO 17264:2009)  
Inteligentni transportni sustavi – Automatska identifikacija vozila i opreme – Sučelja (ISO 17264:2009; EN ISO 17264:2009)

## HZN/TO 528, *Oprema za željeznice*

HRN EN 15689:2010  
Željeznički sustav – Željeznički gornji ustroj – Skretnice i križišta – Dijelovi križišta i srišta od lijevanoga austenitnog manganskog čelika (EN 15689:2009)  
Railway applications – Track – Switches and crossings – Crossing components made of cast austenitic manganese steel (EN 15689:2009)

## 1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

HRN EN 1993-1-1:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-1: General rules and rules for buildings – National Annex

HRN EN 1993-1-2:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-2: Opća pravila – Proračun konstrukcija na djelovanje požara – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-2: General rules – Structural fire design – National Annex

HRN EN 1993-1-3:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-3: Opća pravila – Dodatna pravila za hladno oblikovane elemente i limove – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-3: General rules – Supplementary rules for cold-formed members and sheeting – National Annex

HRN EN 1993-1-4:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-4: Opća pravila – Dodatna pravila za nehrđajuće čelike – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-4: General rules – Supplementary rules for stainless steels – National Annex

HRN EN 1993-1-5:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-5: Plated structural elements – National Annex

HRN EN 1993-1-6:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-6: Čvrstoća i stabilnost ljuskastih konstrukcija – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-6: Strength and Stability of Shell Structures – National Annex

HRN EN 1993-1-7:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-7: Pločaste konstrukcije izložene opterećenju izvan ravnine – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-7: Plated structures subject to out of plane loading – National Annex

HRN EN 1993-1-8:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-8: Proračun priključaka – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-8: Design of joints – National Annex

HRN EN 1993-1-9:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-9: Zamor – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-9: Fatigue – National Annex

HRN EN 1993-1-10:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-10: Žilavost materijala i svojstva po debljini – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-10: Material toughness and through-thickness properties – National Annex

HRN EN 1993-1-11:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-11: Proračun konstrukcija s vlačnim dijelovima – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-11: Design of structures with tension components – National annex

HRN EN 1993-1-12:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-12: Dodatna pravila za proširenje norme EN 1993 na čelike do kvalitete S700 – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S700 – National Annex

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

HRN EN 1993-3-1:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 3-1: Tornjevi, jarboli i dimnjaci – Tornjevi i jarboli – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 3-1: Towers, masts and chimneys – Towers and masts – National Annex

HRN EN 1993-3-2:2014/NA:2014 hr-en izv  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 3-2: Tornjevi, jarboli i dimnjaci – Dimnjaci – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 3-2: Towers, masts and chimneys – Chimneys – National Annex

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

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

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

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

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



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

### 01.020 Nazivlje (načela i usklađivanje)

#### Međunarodna normizacija ISO

ISO 24617-4:2014-08  
Language resource management – Semantic annotation framework (SemAF) – Part 4: Semantic roles (SemAF-SR)

### 01.040.07 Matematika. Prirodne znanosti (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050-113 AMD 1:2014-08  
International Electrotechnical Vocabulary – Part 113: Physics for electrotechnology

### 01.040.17 Metrologija i mjerenje. Fizikalne pojave (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050-881 AMD 1:2014-08  
International Electrotechnical Vocabulary – Part 881: Radiology and radiological physics

### 01.040.23 Fluidički sustavi i sastavnice za opću uporabu (Rječnici)

#### Europska normizacija CEN

EN ISO 8330:2014-08  
Rubber and plastics hoses and hose assemblies – Vocabulary (ISO 8330:2014)

#### Međunarodna normizacija ISO

ISO 8330:2014-08  
Rubber and plastics hoses and hose assemblies – Vocabulary

### 01.040.29 Elektrotehnika (Rječnici)

#### Europska normizacija CENELEC

EN 62747:2014-09  
Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014)

#### Međunarodna normizacija IEC

IEC 60050-113 AMD 1:2014-08  
International Electrotechnical Vocabulary – Part 113: Physics for electrotechnology  
IEC 60050-151 AMD 2:2014-08  
International Electrotechnical Vocabulary – Part 151: Electrical and magnetic devices

IEC 60050-161 AMD 4:2014-08  
International elektrotechnical vocabulary – Part 161: Electromagnetic compatibility  
IEC 60050-881 AMD 1:2014-0810,63 EUR  
International Electrotechnical Vocabulary – Part 881: Radiology and radiological physics  
IEC 60050-903 AMD 1:2014-08  
International elektrotechnical vocabulary – Part 903: Risk assessment

### 01.040.31 Elektronika (Rječnici)

#### Međunarodna normizacija IEC

IEC 61747-1-2:2014-08  
Liquid crystal display devices – Part 1-2: Generic – Terminology and letter symbols

### 01.040.33 Telekomunikacije. Audiotehnika i videotehnika (Rječnici)

#### Međunarodna normizacija IEC

IEC 60050-161 AMD 4:2014-08  
International elektrotechnical vocabulary – Part 161: Electromagnetic compatibility

### 01.040.35 Informacijska tehnika. Uredski strojevi (Rječnici)

#### Europska normizacija CENELEC

CLC/TR 50584  
Informationstechnik – CENELEC/ETSI-Wörterbuch von Begriffen für die Breitbandnutzung einschließlich Nachhaltigkeitsaspekte

### 01.110 Tehnička dokumentacija o proizvodu

#### Europska normizacija CEN

EN 15380-5:2014-09  
Railway applications – Classification system for railway vehicles – Part 5: System Breakdown Structure (SBS)

#### Međunarodna normizacija ISO

ISO 10628-1:2014-09  
Diagrams for the chemical and petrochemical industry – Part 1: Specification of diagrams

### 03.100.30 Upravljanje ljudskim resursima

#### Međunarodna normizacija ISO

ISO/IEC 19788-1 AMD 1:2014-09  
Information technology – Learning, education and training – Metadata for learning resources – Part 1: Framework – Amendment 1: Conformance and reference software

### 03.220.30 Željeznički prijevoz

#### Europska normizacija

##### CENELEC

EN 62290-1:2014-09  
Railway applications – Urban guided transport management and command/control systems – Part 1: System principles and fundamental concepts (IEC 62290-1:2014)

EN 62290-2:2014-09  
Railway applications – Urban guided transport management and command/control systems – Part 2: Functional requirements specification (IEC 62290-2:2014)

### 03.220.40 Vodeni prijevoz

#### Europska normizacija

##### CENELEC

EN 303135 V 1.1.1:2014-09  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR) – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

### 07.030 Fizika. Kemija

#### Europska normizacija

##### CENELEC

EN 62607-3-1:2014-08  
Nanomanufacturing – Key control characteristics – Part 3-1: Luminescent nanomaterials – Quantum efficiency (IEC 62607-3-1:2014)

#### Međunarodna normizacija

##### IEC

IEC 60050-113 AMD 1:2014-08  
International Electrotechnical Vocabulary – Part 113: Physics for electrotechnology

### 07.100.20 Mikrobiologija vode

#### Europska normizacija

##### CEN

EN 16493:2014-08  
Water quality – Nomenclatural requirements for the recording of biodiversity data, taxonomic checklists and keys

EN ISO 9308-1:2014-09  
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)

#### Međunarodna normizacija

##### ISO

ISO 9308-1:2014-09  
Water quality – Enumeration of Escherichia coli and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora

### 11.040.01 Medicinska oprema općenito

#### Europska normizacija

##### CEN

EN 13718-1:2014-09  
Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances

#### Međunarodna normizacija

##### ISO

ISO/TR 19244:2014-08  
Guidance on transition periods for standards developed by ISO/TC 84 – Devices for administration of medicinal products and catheters

##### IEC

IEC 62353:2014-09  
Medical electrical equipment – Recurrent test and test after repair of medical electrical equipment

IEC/TR 62354:2014-09  
General testing procedures for medical electrical equipment

### 11.040.40 Implantati za kirurgiju, protetiku i ortotiku

#### Međunarodna normizacija

##### ISO

ISO 5841-2:2014-08  
Implants for surgery – Cardiac pacemakers – Part 2: Reporting of clinical performance of populations of pulse generators or leads

ISO 14708-1:2014-08  
Implants for surgery – Active implantable medical devices – Part 1: General requirements for safety, marking and for information to be provided by the manufacturer

ISO 5832-4:2014-09  
Implants for surgery – Metallic materials – Part 4: Cobalt-chromium-molybdenum casting alloy

ISO 5832-11:2014-09  
Implants for surgery – Metallic materials – Part 11: Wrought titanium 6-aluminium 7-niobium alloy

ISO 12891-2:2014-09  
Retrieval and analysis of surgical implants – Part 2: Analysis of retrieved surgical implants

### 11.040.50 Radiografska oprema

#### Europska normizacija

##### CEN

EN 60601-2-43/AC:2014-07  
Medical electrical equipment – Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures

#### Međunarodna normizacija

##### IEC

IEC 60601-2-64:2014-09  
Medical electrical equipment – Part 2-64: Particular requirements for the basic safety and essential performance of light ion beam medical electrical equipment

- IEC 60601-2-68:2014-09  
Medical electrical equipment – Part 2-68: Particular requirements for the basic safety and essential performance of X-ray-based image-guided radiotherapy equipment for use with electron accelerators, light ion beam therapy equipment and radionuclide beam therapy equipment
- IEC 61910-1:2014-09  
Medical electrical equipment – Radiation dose documentation – Part 1: Radiation dose structured reports for radiography and radioscopy

## 11.040.55 Dijagnostička oprema

### Europska normizacija CENELEC

- EN 60601-2-27:2014-08  
Medical electrical equipment – Part 2-27: Particular requirements for the basic safety and essential performance of electrocardiographic monitoring equipment (IEC 60601-2-27:2011 + Corrigendum May 2012)

## 11.040.70 Oftalmološka oprema

### Europska normizacija CEN

- EN ISO 11979-2:2014-08  
Ophthalmic implants – Intraocular lenses – Part 2: Optical properties and test methods (ISO 11979-2:2014)
- EN ISO 11979-7:2014-09  
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations (ISO 11979-7:2014)
- EN ISO 11979-9/A1:2014-08  
Ophthalmic implants – Intraocular lenses – Part 9: Multifocal intraocular lenses (ISO 11979-9:2006/Amd 1:2014)
- EN ISO 13212:2014-09  
Ophthalmic optics – Contact lens care products – Guidelines for determination of shelf-life (ISO 13212:2014)
- EN ISO 8598-1:2014-09  
Optics and optical instruments – Focimeters – Part 1: General purpose instruments used for measuring spectacle lenses (ISO 8598-1:2014)

### Međunarodna normizacija ISO

- ISO 11979-2:2014-08  
Ophthalmic implants – Intraocular lenses – Part 2: Optical properties and test methods
- ISO 11979-7:2014-09  
Ophthalmic implants – Intraocular lenses – Part 7: Clinical investigations
- ISO 11979-9 AMD 1:2014-08  
Ophthalmic implants – Intraocular lenses – Part 9: Multifocal intraocular lenses; Amendment 1
- ISO 11979-10 AMD 1:2014-08  
Ophthalmic implants – Intraocular lenses – Part 10: Phakic intraocular lenses; Amendment 1
- ISO 8598-1:2014-09  
Optics and optical instruments – Focimeters – Part 1: General purpose instruments
- ISO 13212:2014-09  
Ophthalmic optics – Contact lens care products – Guidelines for determination of shelf-life

- ISO/IEC 80601-2-58:2014-09  
Medical electrical equipment – Part 2-58: Particular requirements for basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery

### IEC

- IEC 80601-2-58:2014-09  
Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery

## 11.060.10 Zubarska gradiva

### Europska normizacija CEN

- EN ISO 15841:2014-08  
Dentistry – Wires for use in orthodontics (ISO 15841:2014)

### Međunarodna normizacija ISO

- ISO 15841:2014-08  
Dentistry – Wires for use in orthodontics

## 11.060.25 Zubarski instrumenti

### Europska normizacija CEN

- EN ISO 16635-2:2014-09  
Dentistry – Dental rubber dam instruments – Part 2: Clamp forceps (ISO 16635-2:2014)

### Međunarodna normizacija ISO

- ISO 16635-2:2014-09  
Dentistry – Dental rubber dam instruments – Part 2: Clamp forceps

## 11.160 Prva pomoć

### Europska normizacija CEN

- EN 1789+A2:2014-09  
Medical vehicles and their equipment – Road ambulances
- EN 13718-1:2014-09  
Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances

## 11.180.10 Pomagala i prilagodbe za kretanje

### Međunarodna normizacija ISO

- ISO 7176-22:2014-09  
Wheelchairs – Part 22: Set-up procedures

## 11.180.15 Pomagala za gluhe i osobe s oslabljenim sluhom

### Međunarodna normizacija ISO

IEC 62489-2:2014-09  
Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 2: Methods of calculating and measuring the low-frequency magnetic field emissions from the loop for assessing conformity with guidelines on limits for human exposure

## 11.200 Nadzor nad rađanjem. Mehanička kontracepcijska sredstva

### Međunarodna normizacija ISO

ISO 4074:2014-08  
Natural rubber latex male condoms – Requirements and test methods

## 13.020.10 Upravljanje okolišem

### Međunarodna normizacija ISO

ISO 14046:2014-08  
Environmental management – Water footprint – Principles, requirements and guidelines

## 13.020.40 Onečišćenje, nadzor nad onečišćenjem i zaštita od onečišćenja

### Međunarodna normizacija IEC

IEC/TR 62726:2014-08  
Guidance on quantifying greenhouse gas emission reductions from the baseline for electrical and electronic products and systems

## 13.020.60 Životni ciklusi proizvoda

### Međunarodna normizacija ISO

ISO 14046:2014-08  
Environmental management – Water footprint – Principles, requirements and guidelines

## 13.040.01 Kvaliteta zraka općenito

### Međunarodna normizacija ISO

IEC/TR 62726:2014-08  
Guidance on quantifying greenhouse gas emission reductions from the baseline for electrical and electronic products and systems

## 3.040.20 Atmosfera okoliša

### Europska normizacija CEN

EN ISO 16000-19:2014-10  
Indoor air – Part 19: Sampling strategy for moulds (ISO 16000-19:2012)

### Međunarodna normizacija ISO

ISO 16000-30:2014-09  
Indoor air – Part 30: Sensory testing of indoor air  
ISO 22262-2:2014-09  
Air quality – Bulk materials – Part 2: Quantitative determination of asbestos by gravimetric and microscopical methods

## 13.040.30 Atmosfera u radnome prostoru

### Međunarodna normizacija ISO

ISO/TR 13392:2014-09  
Health and safety in welding and allied processes – Arc welding fume components

## 13.040.40 Ispuštanja iz nepomičnih izvora

### Međunarodna normizacija ISO

ISO 14385-1:2014-08  
Stationary source emissions – Greenhouse gases – Part 1: Calibration of automated measuring systems  
ISO 14385-2:2014-08  
Stationary source emissions – Greenhouse gases – Part 2: Ongoing quality control of automated measuring systems

## 13.060.50 Ispitivanje voda na kemijske tvari

### Međunarodna normizacija ISO

ISO 16308:2014-09  
Water quality – Determination of glyphosate and AMPA – Method using high performance liquid chromatography (HPLC) with tandem mass spectrometric detection

## 13.060.70 Ispitivanje bioloških svojstava vode

### Europska normizacija CEN

EN 16493:2014-08  
Water quality – Nomenclatural requirements for the recording of biodiversity data, taxonomic checklists and keys  
EN 16503:2014-08  
Water quality – Guidance standard on assessing the hydromorphological features of transitional and coastal waters



## 13.080.10 Kemijske značajke tla

### Europska normizacija

#### CEN

- EN 16502:2014-08  
Test method for the determination of the degree of soil acidity according to Baumann-Gully

### Međunarodna normizacija

#### ISO

- ISO 14388-1:2014-08  
Soil quality – Acid-base accounting procedure for acid sulfate soils – Part 1: Introduction and definitions, symbols and acronyms, sampling and sample preparation
- ISO 14388-2:2014-08  
Soil quality – Acid-base accounting procedure for acid sulfate soils – Part 2: Chromium reducible sulfur (CRS) methodology
- ISO 14388-3:2014-08  
Soil quality – Acid-base accounting procedure for acid sulfate soils – Part 3: Suspension peroxide oxidation combined acidity and sulfur (SPOCAS) methodology

## 13.100 Radna sigurnost. Industrijska higijena

### Međunarodna normizacija

#### ISO

- ISO/TR 13392:2014-09  
Health and safety in welding and allied processes – Arc welding fume components
- ISO 13577-4:2014-09  
Industrial furnace and associated processing equipment – Safety – Part 4: Protective systems
- ISO 13577-2:2014-09  
Industrial furnaces and associated processing equipment – Safety – Part 2: Combustion and fuel handling systems
- ISO/TR 18786:2014-09  
Health and safety in welding – Guidelines for risk assessment of welding fabrication activities

## 13.180 Ergonomija

### Međunarodna normizacija

#### ISO

- ISO 24504:2014-08  
Ergonomics – Accessible design – Sound pressure levels of spoken announcements for products and public address systems

## 13.220.20 Zaštita od požara

### Međunarodna normizacija

#### ISO

- ISO 7240-28:2014-08  
Fire detection and alarm systems – Part 28: Fire protection control equipment

## 13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

### Međunarodna normizacija

#### ISO

- ISO 14934-4:2014-08  
Fire tests – Calibration and use of heat flux meters – Part 4: Guidance on the use of heat flux meters in fire tests

#### IEC

- IEC 60695-11-10 Corrigendum 1:2014-09  
Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods; Corrigendum 1

## 13.220.50 Vatrootpornost građevnih materijala i elemenata

### Europska normizacija

#### CEN

- EN 1366-1:2014-10  
Fire resistance tests for service installations – Part 1: Ventilation ducts
- EN 1366-12:2014-10  
Fire resistance tests for service installations – Part 12: Non-mechanical fire barrier for ventilation ductwork
- EN 13381-1:2014-09  
Test methods for determining the contribution to the fire resistance of structural members – Part 1: Horizontal protective membranes
- EN 13381-2:2014-09  
Test methods for determining the contribution to the fire resistance of structural members – Part 2: Vertical protective membranes
- EN 16034:2014-10  
Pedestrian doorsets, industrial, commercial, garage doors and openable windows – Product standard, performance characteristics – Fire resisting and/or smoke control characteristics
- EN 50575:2014-09  
Power, control and communication cables – Cables for general applications in construction works subject to reaction to fire requirements

### Međunarodna normizacija

#### ISO

- ISO/TR 12468-3:2014-08  
External exposure of roofs to fire – Part 3: Commentary
- ISO 14934-4:2014-08  
Fire tests – Calibration and use of heat flux meters – Part 4: Guidance on the use of heat flux meters in fire tests

## 13.220.99 Druge norme koje se odnose na zaštitu od požara

### Europska normizacija

#### CEN

- EN 13381-2:2014-09  
Test methods for determining the contribution to the fire resistance of structural members – Part 2: Vertical protective membranes

## 13.260 Zaštita od električnog udara

### Europska normizacija CENELEC

- EN 60903  
Arbeiten unter Spannung – Elektrisch isolierende Handschuhe (IEC 60903:2014)
- EN 60984  
Arbeiten unter Spannung – Elektrisch isolierende Ärmel (IEC 60984:2014)

## 13.300 Zaštita od opasnih tvari

### Europska normizacija CEN

- EN 14116+A1:2014-09  
Tanks for transport of dangerous goods – Digital interface for product recognition devices for liquid fuels

## 13.340.40 Zaštita ruku i šaka

### Europska normizacija CENELEC

- EN 60903  
Arbeiten unter Spannung – Elektrisch isolierende Handschuhe (IEC 60903:2014)
- EN 60984  
Arbeiten unter Spannung – Elektrisch isolierende Ärmel (IEC 60984:2014)

## 13.340.60 Zaštita protiv pada i klizanja

### Europska normizacija CEN

- EN 353-1:2014-10  
Personal fall protection equipment – Guided type fall arresters including an anchor line – Part 1: Guided type fall arresters including a rigid anchor line

## 13.340.70 Prsluci za spašavanje, pomagala i naprave za plutanje

### Europska normizacija CEN

- EN 13138-1:2014-10  
Buoyant aids for swimming instruction – Part 1: Safety requirements and test methods for buoyant aids to be worn

## 17.040.30 Mjerni instrumenti

### Europska normizacija CEN

- EN ISO 2538-1:2014-09  
Geometrical product specifications (GPS) – Wedges – Part 1: Series of angles and slopes (ISO 2538-1:2014)
- EN ISO 2538-2:2014-09  
Geometrical product specifications (GPS) – Wedges – Part 2: Dimensioning and tolerancing (ISO 2538-2:2014)

- EN ISO 16610-71:2014-09  
Geometrical product specifications (GPS) – Filtration – Part 71: Robust areal filters: Gaussian regression filters

### Međunarodna normizacija ISO

- ISO 2538-1:2014-09  
Geometrical product specifications (GPS) – Wedges – Part 1: Series of angles and slopes
- ISO 2538-2:2014-09  
Geometrical product specifications (GPS) – Wedges – Part 2: Dimensioning and tolerancing
- ISO 16610-71:2014-09  
Geometrical product specifications (GPS) – Filtration – Part 71: Robust areal filters: Gaussian regression filters

## 17.100 Mjerenje sile, težine i tlaka

### Europska normizacija CEN

- EN 12645:2014-08  
Tyre pressure measuring instruments – Devices for inspection of pressure and/or inflation / deflation of tyres for motor vehicles – Metrology, requirements and testing

## 17.140.01 Akustička mjerenja i smanjenje buke općenito

### Međunarodna normizacija ISO

- ISO/TR 17534-2:2014-08  
Acoustics – Software for the calculation of sound outdoors – Part 2: General recommendations for test cases and quality assurance interface
- ISO 12913-1:2014-09  
Acoustics – Soundscape – Part 1: Definition and conceptual framework

## 17.140.30 Buka koju proizvode prijevozna sredstva

### Međunarodna normizacija ISO

- ISO 20283-4 AMD 1:2014-09  
Mechanical vibration – Measurement of vibration on ships – Part 4: Measurement and evaluation of vibration of the ship propulsion machinery; Amendment 1

## 17.180.30 Optička mjerila

### Međunarodna normizacija ISO

- ISO 12858-1:2014-08  
Optics and optical instruments – Ancillary devices for geodetic instruments – Part 1: Invar levelling staffs
- ISO 17123-1:2014-08  
Optics and optical instruments – Field procedures for testing geodetic and surveying instruments – Part 1: Theory

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Europska normizacija CENELEC

- EN 60770-3:2014-08  
Transmitters for use in industrial-process control systems – Part 3: Methods for performance evaluation of intelligent transmitters (IEC 60770-3:2014)

### Međunarodna normizacija IEC

- IEC 61869-4 Corrigendum 1:2014-08  
Instrument transformers – Part 4: Additional requirements for combined transformers, Corrigendum 1
- IEC 62501 AMD 1:2014-08  
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing
- IEC 62501 Edition 1.1:2014-08  
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing
- IEC/TR 62681:2014-08  
Electromagnetic Environment Criterion for High-voltage Direct Current (HVDC) Overhead Transmission Lines

## 17.240 Mjerenja zračenja

### Međunarodna normizacija IEC

- IEC 60050-881 AMD 1:2014-08  
International Electrotechnical Vocabulary – Part 881: Radiology and radiological physics
- IEC 60412:2014-09  
Nuclear instrumentation – Nomenclature (identification) of scintillators and scintillation detectors and standard dimensions of scintillators
- IEC 61910-1:2014-09  
Medical electrical equipment – Radiation dose documentation – Part 1: Radiation dose structured reports for radiography and radioscopy

## 21.100.20 Valjni ležajevi

### Međunarodna normizacija ISO

- ISO 199:2014-07  
Rolling bearings – Thrust bearings – Geometrical product specification (GPS) and tolerance values
- ISO 3290-1:2014-09  
Rolling bearings – Balls – Part 1: Steel balls
- ISO 3290-2:2014-09  
Rolling bearings – Balls – Part 2: Ceramic balls

## 21.200 Zupčanici

### Međunarodna normizacija ISO

- ISO/TR 15144-1:2014-09  
Calculation of micropitting load capacity of cylindrical spur and helical gears – Part 1: Introduction and basic principles

## 23.020.20 Posude i kontejneri ugrađeni na vozila

### Europska normizacija CEN

- EN 14116+A1:2014-09  
Tanks for transport of dangerous goods – Digital interface for product recognition devices for liquid fuels

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Europska normizacija CEN

- EN 13445-1:2014-09  
Unfired pressure vessels – Part 1: General
- EN 13445-2:2014-09  
Unfired pressure vessels – Part 2: Materials
- EN 13445-3:2014-09  
Unfired pressure vessels – Part 3: Design
- EN 13445-4:2014-09  
Unfired pressure vessels – Part 4: Fabrication
- EN 13445-5:2014-09  
Unfired pressure vessels – Part 5: Inspection and testing
- EN 13445-6:2014-09  
Unfired pressure vessels – Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron
- EN 13445-8:2014-09  
Unfired pressure vessels – Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys

### Međunarodna normizacija ISO

- ISO 11119-2 AMD 1:2014-08  
Gas cylinders – Refillable composite gas cylinders and tubes – Design, construction and testing – Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners; Amendment 1

## 23.040.15 Cijevi od obojenih kovina

### Međunarodna normizacija ISO

- ISO 6362-2:2014-09  
Wrought aluminium and aluminium alloys – Extruded rods/bars, tubes and profiles – Part 2: Mechanical properties

## 23.040.70 Crijeva i crijevni sklopovi

### Europska normizacija CEN

- EN ISO 3994:2014-08  
Plastics hoses – Helical-thermoplastic-reinforced thermoplastics hoses for suction and discharge of aqueous materials – Specification (ISO 3994:2014)
- EN ISO 8029:2014-08  
Plastics hose – General-purpose collapsible water hose, textile-reinforced – Specification (ISO 8029:2014)

- EN ISO 8330:2014-08  
Rubber and plastics hoses and hose assemblies –  
Vocabulary (ISO 8330:2014)
- EN ISO 6806:2014-09  
Rubber hoses and hose assemblies for use in oil  
burners – Specification (ISO 6806:2014)

### **Međunarodna normizacija ISO**

- ISO 3994:2014-08  
Plastics hoses – Helical-thermoplastic-reinforced  
thermoplastics hoses for suction and discharge of  
aqueous materials – Specification
- ISO 8029:2014-08  
Plastics hose – General-purpose collapsible water  
hose, textile-reinforced – Specification
- ISO 8330:2014-08  
Rubber and plastics hoses and hose assemblies –  
Vocabulary
- ISO 6806:2014-09  
Rubber hoses and hose assemblies for use in oil  
burners – Specification
- ISO 27126:2014-09  
Thermoplastic multi-layer (non-vulcanized)  
hoses and hose assemblies for the transfer  
of hydrocarbons, solvents and chemicals –  
Specification

### **23.040.80 Brtvila za cijevi i cijevne spojke**

#### **Europska normizacija CEN**

- EN 1514-2:2014-09  
Flanges and their joints – Gaskets for  
PN-designated flanges – Part 2: Spiral wound  
gaskets for use with steel flanges

### **23.100.20 Cilindri**

#### **Međunarodna normizacija ISO**

- ISO 10766:2014-09  
Hydraulic fluid power – Cylinders – Housing  
dimensions for rectangular-section-cut bearing rings  
for pistons and rods

### **23.100.40 Cijevovodi i spojnice**

#### **Međunarodna normizacija ISO**

- ISO 7241:2014-07  
Hydraulic fluid power – Dimensions and  
requirements of quick-action couplings

### **23.100.60 Filtri, britve i onečišćenje fluida**

#### **Međunarodna normizacija ISO**

- ISO 16908:2014-09  
Hydraulic filter element test methods – Thermal  
conditioning and cold start-up simulation

### **23.120 Ventilatori. Klimatizacijski uređaji**

#### **Europska normizacija CEN**

- EN 328:2014-08  
Heat exchangers – Forced convection unit air  
coolers for refrigeration – Test procedures for  
establishing the performance

### **25.040.20 Brojčano upravljani strojevi**

#### **Međunarodna normizacija ISO**

- ISO 17296-3:2014-09  
Additive manufacturing – General principles – Part 3:  
Main characteristics and corresponding test methods

### **25.040.40 Mjerenje i upravljanje u industrijskim procesima**

#### **Međunarodna normizacija IEC**

- IEC 61158-4-4:2014-08  
Industrial communication networks – Fieldbus  
specifications – Part 4-4: Data-link layer protocol  
specification – Type 4 elements

### **25.060.20 Uređaji za držanje i podjelu oruđa**

#### **Međunarodna normizacija ISO**

- ISO 5610-1:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 1: General survey, correlation and  
determination of dimensions
- ISO 5610-2:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 2: Style A
- ISO 5610-3:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 3: Style B
- ISO 5610-4:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 4: Style D
- ISO 5610-5:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 5: Style F
- ISO 5610-6:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 6: Style G
- ISO 5610-7:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 7: Style J
- ISO 5610-8:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 8: Style K
- ISO 5610-9:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 9: Style L
- ISO 5610-10:2014-09  
Tool holders with rectangular shank for indexable  
inserts – Part 10: Style N



- ISO 5610-11:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 11: Style R
- ISO 5610-12:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 12: Style S
- ISO 5610-13:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 13: Style T
- ISO 5610-14:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 14: Style H
- ISO 5610-15:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 15: Style V
- ISO 26623-1:2014-09  
Polygonal taper interface with flange contact surface – Part 1: Dimensions and designation of shanks
- ISO 26623-2:2014-09  
Polygonal taper interface with flange contact surface – Part 2: Dimensions and designation of receivers

- ISO 5610-10:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 10: Style N
- ISO 5610-11:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 11: Style R
- ISO 5610-12:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 12: Style S
- ISO 5610-13:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 13: Style T
- ISO 5610-14:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 14: Style H
- ISO 5610-15:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 15: Style V
- ISO 9361-1:2014-08  
Indexable inserts for cutting tools – Ceramic inserts with rounded corners – Part 1: Dimensions of inserts without fixing hole

## 25.080.01 Alatni strojevi općenito

### Međunarodna normizacija ISO

- ISO 230-10 AMD 1:2014-09  
Test code for machine tools – Part 10: Determination of the measuring performance of probing systems of numerically controlled machine tools – Amendment 1: Measuring performance with scanning probes

## 25.100.01 Alati za rezanje općenito

### Međunarodna normizacija ISO

- ISO 5610-1:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 1: General survey, correlation and determination of dimensions
- ISO 5610-2:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 2: Style A
- ISO 5610-3:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 3: Style B
- ISO 5610-4:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 4: Style D
- ISO 5610-5:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 5: Style F
- ISO 5610-6:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 6: Style G
- ISO 5610-7:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 7: Style J
- ISO 5610-8:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 8: Style K
- ISO 5610-9:2014-09  
Tool holders with rectangular shank for indexable inserts – Part 9: Style L

## 25.140.20 Električni alati

### Europska normizacija CENELEC

- EN 62841-2-2:2014-08  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches (IEC 62841-2-2:2014)
- EN 62841-2-4:2014-08  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-4: Particular requirements for hand-held sanders and polishers other than disc type (IEC 62841-2-4:2014)
- EN 62841-2-5:2014-08  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-5: Particular requirements for hand-held circular saws (IEC 62841-2-5:2014)
- EN 62841-3-1:2014-08  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-1: Particular requirements for transportable table saws (IEC 62841-3-1:2014)
- EN 62841-3-6:2014-08  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-6: Particular requirements for transportable diamond drills with liquid system (IEC 62841-3-6:2014)
- EN 62841-3-9/AA  
Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen – Sicherheit – Teil 3-9: Besondere Anforderungen für Gehrungskappsägen

### Međunarodna normizacija IEC

- IEC 62841-3-9:2014-08  
Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 3-9: Particular requirements for transportable mitre saws

## 25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

### Međunarodna normizacija ISO

ISO/TR 18786:2014-09  
Health and safety in welding – Guidelines for risk assessment of welding fabrication activities

## 25.160.10 Procesi zavarivanja

### Međunarodna normizacija ISO

ISO/TR 13392:2014-09  
Health and safety in welding and allied processes – Arc welding fume components

## 25.160.30 Oprema za zavarivanje

### Europska normizacija CEN

EN 60974-10:2014-08  
Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements (IEC 60974-10:2014)

## 25.160.50 Tvrdo i meko lemljenje

### Međunarodna normizacija ISO

ISO 9453:2014-08  
Soft solder alloys – Chemical compositions and forms

## 25.180.01 Industrijske peći općenito

### Međunarodna normizacija ISO

ISO 13577-4:2014-09  
Industrial furnace and associated processing equipment – Safety – Part 4: Protective systems  
ISO 13577-2:2014-09  
Industrial furnaces and associated processing equipment – Safety – Part 2: Combustion and fuel handling systems

## 25.180.10 Električne peći

### Međunarodna normizacija ISO

IEC 62798:2014-08  
Industrial electroheating equipment – Test methods for infrared emitters

## 27.010 Tehnika prijenosa energije i topline općenito

### Europska normizacija CENELEC

EN 62325-301:2014-07  
Framework for energy market communications – Part 301: Common information model (CIM) extensions for markets (IEC 62325-301:2014)

EN 62325-451-2:2014-07  
Framework for energy market communications – Part 451-2: Scheduling business process and contextual models for CIM European market (IEC 62325-451-2:2014)

## 27.060.20 Plinski plamenici

### Međunarodna normizacija ISO

ISO 23551-6:2014-08  
Safety and control devices for gas burners and gas-burning appliances – Particular requirements – Part 6: Thermoelectric flame supervision controls

## 27.060.30 Kotlovi i izmjenjivači topline

### Europska normizacija CEN

EN 327:2014-08  
Heat exchangers – Forced convection air cooled refrigerant condensers – Test procedures for establishing performance  
EN 328:2014-08  
Heat exchangers – Forced convection unit air coolers for refrigeration – Test procedures for establishing the performance  
EN 1048:2014-08  
Heat exchangers – Air cooled liquid coolers ('dry coolers') – Test procedures for establishing the performance

## 27.070 Gorivi članci

### Međunarodna normizacija IEC

IEC 62282-4-101:2014-08  
Fuel cell technologies – Part 4-101: Fuel cell power systems for propulsion other than road vehicles and auxiliary power units (APU) – Safety of electrically powered industrial trucks

## 27.120.20 Nuklearne elektrane. Sigurnost

### Europska normizacija CENELEC

EN 61839  
Kernkraftwerke – Auslegung von Warten – Analyse und Zuordnung der Funktionen (IEC 61839:2000)  
EN 62566  
Kernkraftwerke – Leittechnik für Systeme mit sicherheitstechnischer Bedeutung – Entwicklung HDL-programmierter integrierter Schaltkreise für Systeme, die Funktionen der Kategorie A ausführen (IEC 62566:2012)

### Međunarodna normizacija IEC

IEC 62645:2014-08  
Nuclear Power Plants – Instrumentation and control systems – Requirements for security programmes for computer-based systems

## 27.160 Solarna energetika

### Europska normizacija

#### CENELEC

EN 60904-8:2014-08

Photovoltaic devices – Part 8: Measurement of spectral responsivity of a photovoltaic (PV) device (IEC 60904-8:2014)

### Međunarodna normizacija

#### IEC

IEC 62817:2014-08

Photovoltaic systems – Design qualification of solar trackers

## 27.200 Rashladna tehnika

### Europska normizacija

#### CEN

EN 1048:2014-08

Heat exchangers – Air cooled liquid coolers ('dry coolers') – Test procedures for establishing the performance

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija

#### IEC

IEC 60050-113 AMD 1:2014-08

International Electrotechnical Vocabulary – Part 113: Physics for electrotechnology

IEC 60050-161 AMD 4:2014-08

International electrotechnical vocabulary – Part 161: Electromagnetic compatibility

IEC 60050-881 AMD 1:2014-08

International Electrotechnical Vocabulary – Part 881: Radiology and radiological physics

IEC 60050-903 AMD 1:2014-08

International electrotechnical vocabulary – Part 903: Risk assessment

IEC 60695-11-10 Corrigendum 1:2014-09

Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods; Corrigendum 1

## 29.060.20 Kabeli

### Europska normizacija

#### CENELEC

EN 50575:2014-09

Power, control and communication cables – Cables for general applications in construction works subject to reaction to fire requirements

## 29.100.01 Sastavnice za električnu opremu općenito

### Međunarodna normizacija

#### IEC

IEC 60050-151 AMD 2:2014-08

International Electrotechnical Vocabulary – Part 151: Electrical and magnetic devices

IEC/TR 62726:2014-08

Guidance on quantifying greenhouse gas emission reductions from the baseline for electrical and electronic products and systems

## 29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

### Europska normizacija

#### CENELEC

EN 50550/A1

Schutzeinrichtung gegen netzfrequente Überspannungen für Hausinstallationen und für ähnliche Anwendungen

EN 61008-1/A1

Fehlerstrom-/Differenzstrom-Schutzschalter ohne eingebauten Überstromschutz (RCCBs) für Hausinstallationen und für ähnliche Anwendungen – Teil 1: Allgemeine Anforderungen (IEC 61008-1:2010/A1:2012)

EN 61008-1/A2

Fehlerstrom-/Differenzstrom-Schutzschalter ohne eingebauten Überstromschutz (RCCBs) für Hausinstallationen und für ähnliche Anwendungen – Teil 1: Allgemeine Anforderungen (IEC 61008-1:2010/A2:2013)

EN 61009-1/A1

Fehlerstrom-/Differenzstrom-Schutzschalter mit eingebautem Überstromschutz (RCBOs) für Hausinstallationen und für ähnliche Anwendungen – Teil 1: Allgemeine Anforderungen (IEC 61009-1:2010/A1:2012)

EN 61009-1/A2

Fehlerstrom-/Differenzstrom-Schutzschalter mit eingebautem Überstromschutz (RCBOs) für Hausinstallationen und für ähnliche Anwendungen – Teil 1: Allgemeine Anforderungen (IEC 61009-1:2010/A2:2013)

EN 62019/A12

Elektrisches Installationsmaterial – Schutzschalter und ähnliche Geräte für Hausinstallationen – Hilfsschalter

EN 60269-1/A2:2014-09

Low-voltage fuses – Part 1: General requirements (IEC 60269-1:2006/A2:2014)

### Međunarodna normizacija

#### IEC

IEC 60127-2:2014-09

Miniature fuses – Part 2: Cartridge fuse-links

IEC 60127-6:2014-09

Miniature fuses – Part 6: Fuse-holders for miniature fuse-links

## 29.130.01 Rasklopni i upravljački uređaji općenito

### Europska normizacija

#### CENELEC

EN 60214-1:2014-08

Tap-changers – Part 1: Performance requirements and test methods (IEC 60214-1:2014)

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija

#### IEC

IEC 62501 AMD 1:2014-08

Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing

IEC 62501 Edition 1.1:2014-08  
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija IEC

- IEC 61439-5:2014-08  
Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks
- IEC 62026-3:2014-08  
Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 3: DeviceNet
- IEC 60947-1 AMD 2:2014-09  
Low-voltage switchgear and controlgear – Part 1: General rules
- IEC 60947-1 Edition 5.2:2014-09  
Low-voltage switchgear and controlgear – Part 1: General rules
- IEC/TR 61641:2014-09  
Enclosed low-voltage switchgear and controlgear assemblies – Guide for testing under conditions of arcing due to internal faults

## 29.140.10 Kape i držači svjetiljki

### Europska normizacija CENELEC

- EN 60061-1/A27:2014-08  
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/A27:2001, modified)

## 29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

### Europska normizacija CENELEC

- EN 60969/A1/AC:1993-06  
Self-ballasted lamps for general lighting services; performance requirements (IEC 60969:1988/A1:1991); amendment 1 to EN 60969
- EN 61199/A2  
Einseitig gesockelte Leuchtstofflampen – Sicherheitsanforderungen (IEC 61199:2011/A2:2014)

### Međunarodna normizacija IEC

- IEC 61195 AMD 2:2014-09  
Double-capped fluorescent lamps – Safety specifications
- IEC 61195 Edition 2.2:2014-09  
Double-capped fluorescent lamps – Safety specifications

## 29.140.40 Rasvjetna tijela

### Međunarodna normizacija IEC

- IEC 62722-1:2014-09  
Luminaire performance – Part 1: General requirements

## 29.140.50 Rasvjetni instalacijski sustavi

### Europska normizacija CENELEC

- EN 61534-1/A1:2014-08  
Powertrack systems – Part 1: General requirements (IEC 61534-1:2011/A1:2014)
- EN 61534-21:2014-08  
Powertrack systems – Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting (IEC 61534-21:2014)
- EN 61534-22:2014-08  
Powertrack systems – Part 22: Particular requirements for powertrack systems intended for onfloor or underfloor installation (IEC 61534-22:2014)

## 29.140.99 Ostale norme koje se odnose na svjetiljke

### Međunarodna normizacija IEC

- IEC 61347-2-13:2014-09  
Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules
- IEC 62031 AMD 2:2014-09  
LED modules for general lighting – Safety specifications
- IEC 62031 Edition 1.2:2014-09  
LED modules for general lighting – Safety specifications
- IEC 62868:2014-09  
Organic light emitting diode (OLED) panels for general lighting – Safety requirements

## 29.160.01 Rotacijski strojevi općenito

### Europska normizacija CENELEC

- EN 60034-2-1:2014-09  
Rotating electrical machines – Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles) (IEC 60034-2-1:2014)

### Međunarodna normizacija IEC

- IEC 60034-19:2014-09  
Rotating electrical machines – Part 19: Specific test methods for d.c. machines on conventional and rectifier-fed supplies
- IEC 60034-26 Corrigendum 1:2014-09  
Rotating electrical machines – Part 26: Effects of unbalanced voltages on the performance of three-phase induction motors; Corrigendum 1



## 29.180 Transformatori. Prigušnice

### Europska normizacija

#### CENELEC

EN 60214-1:2014-08

Tap-changers – Part 1: Performance requirements and test methods (IEC 60214-1:2014) and separating transformers with output voltages exceeding 1000 V (IEC 61558-2-10:2014)

## 29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

### Europska normizacija

#### CENELEC

EN 62477-1/A11:2014-08

Safety requirements for power electronic converter systems and equipment – Part 1: General

EN 62747:2014-09

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

### Međunarodna normizacija

#### IEC

IEC 62751-1:2014-08

Determination of power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements

IEC 62751-2:2014-08

Determination of power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 2: Modular multilevel converters

## 29.220.10 Primarni članci i baterije

### Međunarodna normizacija

#### IEC

IEC 60086-4:2014-09

Primary batteries – Part 4: Safety of lithium batteries

## 29.220.30 Alkalni sekundarni članci i baterije

### Međunarodna normizacija

#### IEC

IEC 62675:2014-08

Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride prismatic rechargeable single cells

## 29.240.10 Podstanice. Odvodnici tranzijenata

### Europska normizacija

#### CENELEC

EN 60099-4:2014-09

Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems (IEC 60099-4:2014)

EN 60099-9:2014-09

Surge arresters – Part 9: Metal-oxide surge arresters without gaps for HVDC converter statio

## 29.240.20 Vodovi za prijenos i razdiobu električne energije

### Međunarodna normizacija

#### IEC

IEC/TR 62681:2014-08

Electromagnetic Environment Criterion for High-voltage Direct Current (HVDC) Overhead Transmission Lines

## 29.260.20 Električni uređaji za eksplozivnu atmosferu

### Europska normizacija

#### CENELEC

EN 60079-1

Explosionsgefährdete Bereiche – Teil 1: Geräteschutz durch druckfeste Kapselung „d“ (IEC 60079-1:2014)

EN 60079-2

Explosionsgefährdete Bereiche – Teil 2: Geräteschutz durch Überdruckkapselung „p“ (IEC 60079-2:2014)

## 31.020 Elektronički sastavni dijelovi općenito

### Europska normizacija

#### CENELEC

EN 62368-1:2014-08

Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2014, modified)

### Međunarodna normizacija

#### IEC

IECQ 01:2014-08

IEC quality assessment system for electronic components (IECQ system) – Basic rules

IECQ 03-4:2014-09

IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – Part 4: IECQ AVIONICS Scheme – Avionics Parts and Assembly Management

## 31.040.10 Nepromjenjivi otpornici

### Europska normizacija

#### CENELEC

EN 140101-806/AC:2014-08

Detail Specification: Fixed low power film resistors – Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads

EN 140401-802/AC:2014-08

Detail specification: Fixed low power film SMD resistors – Rectangular – Stability classes 1; 2

## 31.060.70 Energetski kondenzatori

### Europska normizacija

#### CENELEC

EN 60871-1:2014-08

Shunt capacitors for a.c. power systems having a rated voltage above 1000 V – Part 1: General (IEC 60871-1:2014)

## 31.080.01 Poluvodički uređaji općenito

### Međunarodna normizacija IEC

- IEC 60749-42:2014-08  
Semiconductor devices – Mechanical and climatic test methods – Part 42: Temperature and humidity storage

## 31.080.99 Drugi poluvodički uređaji

### Europska normizacija CENELEC

- EN 62477-1/A11:2014-08  
Safety requirements for power electronic converter systems and equipment – Part 1: General

## 31.120 Elektronički uređaji za prikazivanje

### Međunarodna normizacija IEC

- IEC 61747-1-1:2014-08  
Liquid crystal display devices – Part 1-1: Generic – Generic specification
- IEC 61747-1-2:2014-08  
Liquid crystal display devices – Part 1-2: Generic – Terminology and letter symbols
- IEC 61747-10-2:2014-09  
Liquid crystal display devices – Part 10-2: Environmental, endurance and mechanical test methods – Environmental and endurance

## 31.180 Tiskani krugovi i pločice

### Međunarodna normizacija IEC

- IEC/PAS 61182-12:2014-08  
Generic requirements for printed board assembly products manufacturing description data and transfer methodology

## 31.220.01 Elektromehanički sastavni dijelovi općenito

### Međunarodna normizacija IEC

- IEC/TR 62726:2014-08  
Guidance on quantifying greenhouse gas emission reductions from the baseline for electrical and electronic products and systems

## 31.220.10 Utikačke i utičničke naprave. Konektori

### Europska normizacija CENELEC

- EN 61076-2-109:2014-08  
Connectors for electronic equipment – Product requirements – Part 2-109: Circular connectors – Detail specification for connectors with M 12 × 1 screw-locking, for data transmission frequencies up to 500 MHz (IEC 61076-2-109:2014)

### Međunarodna normizacija IEC

- IEC 60352-5 Corrigendum 1:2014-09  
Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance; Corrigendum 1
- IEC 61076-2-104:2014-09  
Connectors for electronic equipment – Product requirements – Part 2-104: Circular connectors – Detail specification for circular connectors with M8 screw-locking or snap-locking

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Međunarodna normizacija IEC

- IEC 60297-3-108:2014-09  
Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-108: Dimensions of R-type subracks and plug-in units

## 31.260 Optoelektronika. Laserska oprema

### Europska normizacija CENELEC

- EN 62572-3:2014-08  
Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:2014)

### Međunarodna normizacija IEC

- IEC 61747-1-2:2014-08  
Liquid crystal display devices – Part 1-2: Generic – Terminology and letter symbols
- IEC 62868:2014-09  
Organic light emitting diode (OLED) panels for general lighting – Safety requirements

## 33.040.01 Telekomunikacijski sustavi općenito

### Europska normizacija ETSI

- ETSI TS 102250-2 V 2.3.1:2014-08  
Speech and multimedia Transmission Quality (STQ) – QoS aspects for popular services in mobile networks – Part 2: Definition of Quality of Service parameters and their computation
- ETSI TR 102775 V 1.6.2:2014-09  
Speech and multimedia Transmission Quality (STQ) – Guidance on objectives for Quality related Parameters at VoIP Segment-Connection Points – A support to NGN transmission planners
- ETSI TS 102928 V 1.1.3:2014-09  
Speech and multimedia Transmission Quality (STQ) – End-to-End Transmission Planning Requirements for Real Time Services in an NGN context
- ETSI TS 103224 V 1.1.1:2014-08  
Speech and multimedia Transmission Quality (STQ) – A sound field reproduction method for terminal testing including a background noise database

- ETSI ES 202336-11 V 1.1.1:2014-09  
Environmental Engineering (EE) – Monitoring and control interface for infrastructure equipment (Power, Cooling and environment systems used in telecommunication networks) – Part 11: Battery system with integrated control and monitoring information model
- ETSI EG 202952 V 1.1.1:2014-09  
Human Factors (HF) – Guidelines to identify 'Design for All' aspects in ETSI deliverables
- ETSI ES 203156 V 1.2.1 : 2014-08  
Environmental Engineering (EE) – Thermal Management requirements for outdoor enclosures

### 33.040.35 Telefonske mreže

#### Europska normizacija ETSI

- ETSI TS 102657 V 1.15.1:2014-08  
Lawful Interception (LI) – Retained data handling – Handover interface for the request and delivery of retained data

### 33.040.40 Mreže za prijenos podataka

#### Europska normizacija CENELEC

- EN 16603-50-04:2014-09  
Space engineering – Space data links – Telecommand protocols, synchronization and channel coding

#### ETSI

- ETSI TS 183063 V 3.6.1:2014-08  
Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN) – IMS-based IPTV stage 3 specification

### 33.040.60 Telekomunikacije putem elektroenergetskih vodova

#### Europska normizacija ETSI

- ETSI TR 103240 V 1.1.1:2014-01  
Powerline Telecommunications (PLT) – Powerline communication recommendations for smart metering and home automation

### 33.060.20 Prijamna i odašiljačka oprema

#### Europska normizacija CENELEC

- EN 303098-1 V 1.2.1:2014-09  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Maritime low power personal locating devices employing AIS – Part 1: Technical characteristics and methods of measurement
- EN 303135 V 1.1.1:2014-09  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VT/HR) – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

### 33.060.30 Radioreleji i nepomični satelitski komunikacijski sustavi

#### Europska normizacija ETSI

- ETSI TR 103053 V 1.1.1:2014-09  
Fixed Radio Systems – Parameters affecting the Signal-to-Noise Ratio (SNR) and the Receiver Signal Level (RSL) threshold in point-to-point receivers – Theory and practice

### 33.060.40 Kabelski distribucijski sustavi

#### Europska normizacija CENELEC

- CLC/TR 50083-2-1  
Kabelnetze für Fernsehsignale, Tonsignale und interaktive Dienste – Teil 2-1: Messungen der elektromagnetischen Verträglichkeit
- EN 60728-1:2014-08  
Cable networks for television signals, sound signals and interactive services – Part 1: System performance of forward paths (IEC 60728-1:2014)

#### ETSI

- ETSI TS 101548 V 1.1.1:2014-09  
Access, Terminals, Transmission and Multiplexing (ATTM) – European Requirements for Reverse Powering of Remote Access Equipment
- ETSI TS 105174-1 V 1.2.1:2014-09  
Access, Terminals, Transmission and Multiplexing (ATTM) – Broadband Deployment and Energy Management – Part 1: Overview, common and generic aspects

### 33.070.40 Sateliti

#### Europska normizacija ETSI

- ETSI TS 103284 V 1.1.1:2014-08  
Satellite Earth Stations and Systems (SES) – Satellite Emergency Communications (SatEC) – Device classes for Emergency Communication Cells over Satellite (ECCS)

### 33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

#### Europska normizacija ETSI

- ETSI TS 102933-2 V 1.3.1:2014-08  
Railway Telecommunications (RT) – GSM-R improved receiver parameters – Part 2: Radio conformance testing
- ETSI TS 134108 V 11.10.0:2014-08  
Universal Mobile Telecommunications System (UMTS) – LTE – Common test environments for User Equipment (UE) – Conformance testing (3GPP TS 34.108 version 11.10.0 Release 11)
- ETSI TS 134121-1 V 11.4.0:2014-08  
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 11.4.0 Release 11)

ETSI TS 134123-3 V 11.3.0:2014-08  
Universal Mobile Telecommunications  
System (UMTS) – User Equipment (UE)  
conformance specification – Part 3: Abstract test  
suite (ATS) (3GPP TS 34.123-3 version 11.3.0  
Release 11)

ETSI TS 136523-3 V 11.4.0:2014-08  
LTE – Evolved Universal Terrestrial Radio Access  
(E-UTRA) and Evolved Packet Core (EPC) – User  
Equipment (UE) conformance specification – Part 3:  
Test suites (3GPP TS 36.523-3 version 11.4.0  
Release 11)

ETSI GS ORI 002-2 V 3.1.1:2014-03  
Open Radio equipment Interface (ORI) – ORI  
Interface Specification – Part 2: Control and  
Management (Release 3)

ETSI TS 103389 V 2.0.0:2014-08  
Railway Telecommunications (RT) – Global System  
for Mobile communications (GSM) – Usage of  
Session Initiation Protocol (SIP) on the Network  
Switching Subsystem (NSS) to Fixed Terminal  
Subsystem (FTS) interface for GSM Operation on  
Railways

ETSI TS 131130 V 10.4.0:2014-08  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications  
System (UMTS) – LTE – (U)SIM Application  
Programming Interface (API) – (U)SIM API for Java  
Card (3GPP TS 31.130 version 10.4.0 Release 10)

ETSI TS 133106 V 11.1.1:2014-08  
Universal Mobile Telecommunications  
System (UMTS) – LTE – 3G security – Lawful  
interception requirements (3GPP TS 33.106  
version 11.1.1 Release 11)

ETSI TS 134123-1 V 11.3.0:2014-08  
Universal Mobile Telecommunications  
System (UMTS) – User Equipment (UE)  
conformance specification – Part 1: Protocol  
conformance specification (3GPP TS 34.123-1  
version 11.3.0 Release 11)

ETSI TS 136101 V 10.15.0:2014-08  
LTE – Evolved Universal Terrestrial Radio Access  
(E-UTRA) – User Equipment (UE) radio transmission  
and reception (3GPP TS 36.101 version 10.15.0  
Release 10)

ETSI TS 136101 V 11.9.0:2014-08  
LTE – Evolved Universal Terrestrial Radio Access  
(E-UTRA) – User Equipment (UE) radio transmission  
and reception (3GPP TS 36.101 version 11.9.0  
Release 11)

ETSI TS 136133 V 10.15.0:2014-08  
LTE – Evolved Universal Terrestrial Radio  
Access (E-UTRA) – Requirements for support of  
radio resource management (3GPP TS 36.133  
version 10.15.0 Release 10)

ETSI TS 136133 V 11.9.0:2014-08  
LTE – Evolved Universal Terrestrial Radio  
Access (E-UTRA) – Requirements for support of  
radio resource management (3GPP TS 36.133  
version 11.9.0 Release 11)

### **33.100.01 Elektromagnetska kompatibilnost općenito**

#### **Europska normizacija CENELEC**

CLC/TR 50083-2-1  
Kabelnetze für Fernsehsignale, Tonsignale und  
interaktive Dienste – Teil 2-1: Messungen der  
elektromagnetischen Verträglichkeit

EN 60974-10:2014-08  
Arc welding equipment – Part 10: Electromagnetic  
compatibility (EMC) requirements  
(IEC 60974-10:2014)

#### **Međunarodna normizacija IEC**

IEC 60050-161 AMD 4:2014-08  
International elektrotechnical vocabulary – Part 161:  
Electromagnetic compatibility

### **33.100.10 Zračenje**

#### **Europska normizacija CENELEC**

EN 61000-3-2:2014-08  
Electromagnetic compatibility (EMC) – Part 3-2:  
Limits – Limits for harmonic current emissions  
(equipment input current  $\leq 16$  A per phase)  
(IEC 61000-3-2:2014)

EN 55016-1-1/A2:2014-09  
Specification for radio disturbance and immunity  
measuring apparatus and methods – Part 1-1: Radio  
disturbance and immunity measuring apparatus –  
Measuring apparatus (CISPR 16-1-1:2010/A2:2014)

EN 303098-1 V 1.2.1:2014-09  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Maritime low power personal  
locating devices employing AIS – Part 1: Technical  
characteristics and methods of measurement

#### **ETSI**

ETSI TS 102587-1 V 1.4.1:2014-09  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Peer-to-Peer Digital Private Mobile  
Radio – Part 1: Conformance testing – Protocol  
Implementation Conformance Statement (PICS)  
proforma

ETSI TR 102628 V 1.2.1:2014-09  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – System Reference document  
(SRdoc) – Land Mobile Service – Additional  
spectrum requirements for future Public Safety and  
Security (PSS) wireless communication systems in  
the UHF frequency range

ETSI TS 102726-1 V 2.2.1:2014-09  
Electromagnetic compatibility and Radio spectrum  
Matters (ERM) – Conformance testing for Mode 1  
of the digital Private Mobile Radio (dPMRTM) –  
Part 1: Protocol Implementation Conformance  
Statement (PICS) proforma

### **33.100.20 Otpornost**

#### **Europska normizacija CENELEC**

EN 61000-4-5:2014-08  
Electromagnetic compatibility (EMC) – Part 4-5:  
Testing and measurement techniques – Surge  
immunity test (IEC 61000-4-5:2014)

EN 61000-4-19:2014-08  
Electromagnetic Compatibility (EMC) – Part 4-19:  
Testing and measurement techniques – Test  
for immunity to conducted, differential mode  
disturbances and signalling in the frequency  
range from 2 kHz to 150 kHz, at a.c. power ports  
(IEC 61000-4-19:2014)



### 33.120.10 Suosni kabeli. Valovodi

#### Međunarodna normizacija

##### IEC

- IEC 61196-10:2014-09  
Coaxial communication cables – Part 10:  
Sectional specification for semi-rigid cables with  
polytetrafluoroethylene (PTFE) dielectric
- IEC 61196-10-1:2014-09  
Coaxial communication cables – Part 10-1: Blank  
detail specification for semi-rigid cables with  
polytetrafluoroethylene (PTFE) dielectric

### 33.120.20 Žice i simetrični kabeli

#### Međunarodna normizacija

##### IEC

- IEC/TR 61156-1-2 AMD 1:2014-09  
Multicore and symmetrical pair/quad cables for  
digital communications – Part 1-2: Electrical  
transmission characteristics and test methods of  
symmetrical pair/quad cables
- IEC/TR 61156-1-2 Edition 1.1:2014-09  
Multicore and symmetrical pair/quad cables for  
digital communications – Part 1-2: Electrical  
transmission characteristics and test methods of  
symmetrical pair/quad cables

### 33.120.30 RF konektori

#### Europska normizacija

##### CENELEC

- EN 61169-45:2014-08  
Radio-frequency connectors – Part 45: Sectional  
specification for series SQMA series quick lock RF  
coaxial connectors (IEC 61169-45:2014)

### 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

#### Europska normizacija

##### CENELEC

- EN 50514  
Audio- und Video- Geräte und Einrichtungen  
der Informationstechnik – Stückprüfungen der  
elektrischen Sicherheit in der Fertigung
- EN 62368-1:2014-08  
Audio/video, information and communication  
technology equipment – Part 1: Safety requirements  
(IEC 62368-1:2014, modified)

#### Međunarodna normizacija

##### IEC

- IEC 61883-6:2014-09  
Consumer audio/video equipment – Digital  
interface – Part 6: Audio and music data  
transmission protocol

### 33.160.50 Pribor

#### Europska normizacija

##### CENELEC

- EN 60268-4:2014-08  
Sound system equipment – Part 4: Microphones  
(IEC 60268-4:2014)

### 33.170 Televizijski i radijski prijenos

#### Europska normizacija

##### ETSI

- ETSI TS 102366 V 1.3.1:2014-08  
Digital Audio Compression (AC-3, Enhanced AC-3)  
Standard

### 33.180.01 Svjetlovodni sustavi općenito

#### Europska normizacija

##### CENELEC

- EN 61280-4-2:2014-09  
Fibre-optic communication subsystem test  
procedures – Part 4-2: Installed cable plant –  
Single-mode attenuation and optical return loss  
measurement (IEC 61280-4-2:2014)

### 33.180.10 Svjetlovodna vlakna i kabeli

#### Europska normizacija

##### CENELEC

- EN 60794-2-51:2014-07  
Optical fibre cables – Part 2-51: Indoor cables –  
Detail specification for simplex and duplex cables for  
use in cords for controlled environment  
(IEC 60794-2-51:2014)
- EN 60794-1-24:2014-08  
Optical fibre cables – Part 1-24: Generic  
specification – Basic optical cable test procedures –  
Electrical test methods (IEC 60794-1-24:2014)

#### Međunarodna normizacija

##### IEC

- IEC 60793-1-50:2014-09  
Optical fibres – Part 1-50: Measurement methods  
and test procedures – Damp heat (steady state)  
tests
- IEC 60794-3:2014-09  
Optical fibre cables – Part 3: Outdoor cables –  
Sectional specification

### 33.180.20 Svjetlovodni vezne naprave

#### Europska normizacija

##### CENELEC

- EN 61753-041-2:2014-07  
Fibre optic interconnecting devices and passive  
components – Performance standard – Part 041-2:  
Non-connectorized single-mode OTDR reflecting  
device for category C – Controlled environment  
(IEC 61753-041-2:2014)
- EN 61753-071-2:2014-07  
Fibre optic interconnecting devices and passive  
components – Performance standard –  
Part 071-2: Non-connectorized single- mode  
fibre optic 1 × 2 and 2 × 2 spatial switches for  
category C – Controlled environments  
(IEC 61753-071-2:2014)
- EN 61300-2-43:2014-09  
Fibre optic interconnecting devices and passive  
components – Basic test and measurement  
procedures – Part 2-43: Tests – Screen testing  
of return loss of single-mode PC optical fibre  
connectors (IEC 61300-2-43:2014)

- EN 61300-3-47:2014-09  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-47: Examinations and measurements – End face geometry of PC/APC spherically polished ferrules using interferometry (IEC 61300-3-47:2014)
- EN 61753-081-2:2014-08  
Fibre optic interconnecting devices and passive components – Performance standard – Part 081-2: Non-connectorized single-mode fibre optic middle-scale 1 x N DWDM devices for category C – Controlled environments (IEC 61753-081-2:2014)
- EN 61978-1:2014-08  
Fibre optic interconnecting devices and passive components – Fibre optic passive chromatic dispersion compensators – Part 1: Generic specification (IEC 61978-1:2014)

### Međunarodna normizacija IEC

- IEC 60876-1:2014-08  
Fibre optic interconnecting devices and passive components – Fibre optic spatial switches – Part 1: Generic specification
- IEC 61753-042-2:2014-08  
Fibre optic interconnecting devices and passive components – Performance standard – Part 042-2: Plug-pigtail-style and plug-receptacle-style OTDR reflecting devices for category C – Controlled environments
- IEC 61753-031-2:2014-09  
Fibre optic interconnecting devices and passive components – Performance standard – Part 031-2: Non-connectorized single-mode 1xN and 2xN non-wavelengthselective branching devices for Category C – Controlled environment
- IEC 61753-031-6:2014-09  
Fibre optic interconnecting devices and passive components – Performance standard – Part 031-6: Non-connectorized single-mode 1xN and 2xN non-wavelength-selective branching devices for Category O – Uncontrolled environment
- IEC 61754-7-1:2014-09  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 7-1: Type MPO connector family – One fibre row

### 33.180.30 Optička pojačala

#### Europska normizacija CENELEC

- EN 61290-10-5:2014-07  
Optical amplifiers – Test methods – Part 10-5: Multichannel parameters – Distributed Raman amplifier gain and noise figure (IEC 61290-10-5:2014)
- EN 62148-15:2014-08  
Fibre optic active components and devices – Package and interface standards – Part 15: Discrete vertical cavity surface emitting laser packages (IEC 62148-15:2014)
- EN 62149-2:2014-08  
Fibre optic active components and devices – Performance standard – Part 2: 850 nm discrete vertical cavity surface emitting laser devices (CEI 62149-2:2014)

- EN 62149-3:2014-07  
Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 2,5-Gbit/s to 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2014)
- EN 62572-3:2014-08  
Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:2014)
- EN 62343-2:2014-09  
Dynamic modules – Part 2: Reliability qualification (IEC 62343-2:2014)

### 33.180.99 Ostala svjetlovodna oprema

#### Europska normizacija CENELEC

- EN 61746-1/AC:2014-09  
Calibration of optical time-domain reflectometers (OTDR) – Part 1: OTDR for single-mode fibres (IEC 61746-1:2009)
- EN 61746-2/AC:2014-09  
Calibration of optical time-domain reflectometers (OTDR) – Part 2: OTDR for multimode fibres (IEC 61746-2:2010)

### 33.200 Daljinsko upravljanje. Daljinsko mjerenje

#### Europska normizacija CENELEC

- EN 60870-6-503  
Telecontrol equipment and systems – Part 6-503: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – TASE.2 Services and protocol (IEC 60870-6-503:2014)
- EN 60870-6-702  
Telecontrol equipment and systems – Part 6-702: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – Functional profile for providing the TASE.2 application service in end systems (IEC 60870-6-702:2014)
- EN 60870-6-802  
Telecontrol equipment and systems – Part 6-802: Telecontrol protocols compatible with ISO standards and ITU-T recommendations – TASE.2 Object models (IEC 60870-6-802:2014)

### 35.020 Informacijska tehnologija (IT) općenito

#### Europska normizacija CENELEC

- EN 50514  
Audio- und Video- Geräte und Einrichtungen der Informationstechnik – Stückprüfungen der elektrischen Sicherheit in der Fertigung
- EN 50600-2-3  
Informationstechnik – Einrichtungen und Infrastrukturen von Rechenzentren – Teil 2-3: Überwachung der Umgebung

## 35.040 Skupovi znakova i kodiranje informacija

### Međunarodna normizacija ISO

- ISO/IEC 10118-4 Technical Corrigendum 1:2014-07  
Information technology – Security techniques – Hash-functions – Part 4: Hash-functions using modular arithmetic; Technical Corrigendum 1
- ISO/IEC 14496-4 AMD 41:2014-08  
Information technology – Coding of audio-visual objects – Part 4: Conformance testing – Amendment 41: Conformance testing of MVC plus depth extension of AVC
- ISO/IEC 23000-10 AMD 1:2014-08  
Information technology – Multimedia application format (MPEG-A) – Part 10: Surveillance application format – Amendment 1: Conformance and reference software
- ISO/IEC 23001-4:2014-08  
Information technology – MPEG systems technologies – Part 4: Codec configuration representation
- ISO/IEC 23003-2 Technical Corrigendum 2:2014-09  
Information technology – MPEG audio technologies – Part 2: Spatial Audio Object Coding (SAOC); Technical Corrigendum 2
- ISO/IEC 27018:2014-08  
Information technology – Security techniques – Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors
- ISO/IEC 27036-2:2014-08  
Information technology – Security techniques – Information security for supplier relationships – Part 2: Requirements
- ISO/IEC 29199-4 AMD 1:2014-08  
Information technology – JPEG XR image coding system – Part 4: Conformance testing – Amendment 1: Additional JPEG XR conformance test streams
- ISO/IEC 10646:2014-09  
Information technology – Universal Coded Character Set (UCS)
- ISO/IEC 14496-10:2014-09  
Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding
- ISO/IEC 18031 Technical Corrigendum 1:2014-10  
Information technology – Security techniques – Random bit generation; Technical Corrigendum 1
- ISO/IEC 19772 Technical Corrigendum 1:2014-09  
Information technology – Security techniques – Authenticated encryption; Technical Corrigendum 1
- ISO/IEC 19794-2 AMD 1 Technical Corrigendum 2:2014-09  
Information technology – Biometric data interchange formats – Part 2: Finger minutiae data; Amendment 1: Detailed description of finger minutiae location, direction, and type; Technical Corrigendum 2
- ISO/IEC 27001 Technical Corrigendum 1:2014-09  
Information technology – Security techniques – Information security management systems – Requirements; Technical Corrigendum 1
- ISO/IEC 27002 Technical Corrigendum 1:2014-09  
Information technology – Security techniques – Code of practice for information security controls; Technical Corrigendum 1

## 35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

### Međunarodna normizacija ISO

- ISO/IEC 1539-1 Technical Corrigendum 3:2014-09  
Information technology – Programming languages – Fortran – Part 1: Base language; Technical Corrigendum 3

## 35.080 Softver (programaska podrška)

### Međunarodna normizacija ISO

- ISO/IEC TR 29110-5-6-2:2014-08  
Systems and software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 5-6-2: Systems engineering – Management and engineering guide: Generic profile group: Basic profile

## 35.100.01 Međupovezivanje otvorenih sustava općenito

### Međunarodna normizacija ISO

- ISO/IEC 9834-8:2014-08  
Information technology – Procedures for the operation of object identifier registration authorities – Part 8: Generation of universally unique identifiers (UUIDs) and their use in object identifiers

## 35.100.10 Fizikalni sloj

### Europska normizacija CENELEC

- EN 61158-2  
Industrielle Kommunikationsnetze – Feldbusse – Teil 2: Spezifikation und Dienstfestlegungen des Physical Layer (Bitübertragungsschicht) (IEC 65C/758/FDIS, entspricht IEC 61158-2)

### Međunarodna normizacija ISO

- ISO/IEC 19369:2014-08  
Information technology – Telecommunications and information exchange between systems – NFCIP-2 test methods

## 35.100.20 Sloj veze između podataka

### Europska normizacija CENELEC

- EN 61158-3-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 3-x: Dienstfestlegungen des Data Link Layer (Sicherheitsschicht) – Typ x Elemente (IEC 61158-3-X:201X (65C/759/FDIS))
- EN 61158-4-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 4-x: Protokollspezifikation des Data Link Layer (Sicherheitsschicht) – Typ x Elemente (IEC 61158-4-X:201X (65C/762/FDIS))

## Međunarodna normizacija

### IEC

- IEC 61158-3-1:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-1: Data-link layer service definition – Type 1 elements
- IEC 61158-3-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-2: Data-link layer service definition – Type 2 elements
- IEC 61158-3-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-3: Data-link layer service definition – Type 3 elements
- IEC 61158-3-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-4: Data-link layer service definition – Type 4 elements
- IEC 61158-3-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-4: Data-link layer service definition – Type 4 elements
- IEC 61158-3-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-13: Data link layer service definition – Type 13 elements
- IEC 61158-3-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-14: Data link layer service definition – Type 14 elements
- IEC 61158-3-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-19: Data link layer service definition – Type 19 elements
- IEC 61158-3-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-20: Data link layer service definition – Type 20 elements
- IEC 61158-3-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-22: Data link layer service definition – Type 22 elements
- IEC 61158-3-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-24: Data link layer service definition – Type 24 elements
- IEC 61158-4-1:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-1: Data-link layer protocol specification – Type 1 elements
- IEC 61158-4-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-2: Data-link layer protocol specification – Type 2 elements
- IEC 61158-4-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-3: Data-link layer protocol specification – Type 3 elements
- IEC 61158-4-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-4: Data-link layer protocol specification – Type 4 elements
- IEC 61158-4-11:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-11: Data-link layer protocol specification – Type 11 elements
- IEC 61158-4-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements

- IEC 61158-4-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-13: Data-link layer protocol specification – Type 13 elements
- IEC 61158-4-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-14: Data-link layer protocol specification – Type 14 elements
- IEC 61158-4-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-19: Data-link layer protocol specification – Type 19 elements
- IEC 61158-4-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-20: Data-link layer protocol specification – Type 20 elements
- IEC 61158-4-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-22: Data-link layer protocol specification – Type 22 elements
- IEC 61158-4-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-24: Data-link layer protocol specification – Type 24 elements

## 35.100.60 Sloj prikazivanja

### Međunarodna normizacija

#### ISO

- ISO/IEC 8824-1 Technical Corrigendum 2:2014-09  
Information technology – Abstract Syntax Notation One (ASN.1): Specification of basic notation; Technical Corrigendum 2
- ISO/IEC 8824-4 Technical Corrigendum 1:2014-09  
Information technology – Abstract Syntax Notation One (ASN.1): Parameterization of ASN.1 specifications; Technical Corrigendum 1
- ISO/IEC 8825-1 Technical Corrigendum 2:2014-09  
Information technology – ASN.1 encoding rules: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER); Technical Corrigendum 2
- ISO/IEC 8825-4 Technical Corrigendum 2:2014-09  
Information technology – ASN.1 encoding rules: XML Encoding Rules (XER); Technical Corrigendum 2
- ISO/IEC 8825-5 Technical Corrigendum 2:2014-09  
Information technology – ASN.1 encoding rules: Mapping W3C XML schema definitions into ASN.1; Technical Corrigendum 2

## 35.100.70 Sloj primjene

### Europska normizacija

#### CENELEC

- EN 61158-5-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 5-x: Dienstfestlegungen des Application Layer (Anwendungsschicht) – Typ x Elemente (IEC 61158-5-X:201X (65C/763/FDIS))

### Međunarodna normizacija

#### IEC

- IEC 61158-5-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements



IEC 61158-5-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements

IEC 61158-5-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-4: Application layer service definition – Type 4 elements

IEC 61158-5-5:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-5: Application layer service definition – Type 5 elements

IEC 61158-5-9:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-9: Application layer service definition – Type 9 elements

IEC 61158-5-10:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements

IEC 61158-5-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements

IEC 61158-5-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-13: Application layer service definition – Type 13 elements

IEC 61158-5-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-14: Application layer service definition – Type 14 elements

IEC 61158-5-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements

IEC 61158-5-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-20: Application layer service definition – Type 20 elements

IEC 61158-5-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-22: Application layer service definition – Type 22 elements

IEC 61158-5-23:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-23: Application layer service definition – Type 23 elements

IEC 61158-5-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-24: Application layer service definition – Type 24 elements

IEC 61158-6-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements

IEC 61158-6-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements

IEC 61158-6-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-4: Application layer protocol specification – Type 4 elements

IEC 61158-6-5:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-5: Application layer protocol specification – Type 5 elements

IEC 61158-6-9:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-9: Application layer protocol specification – Type 9 elements

IEC 61158-6-10:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements

IEC 61158-6-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements

IEC 61158-6-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-13: Application layer protocol specification – Type 13 elements

IEC 61158-6-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-14: Application layer protocol specification – Type 14 elements

IEC 61158-6-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements

IEC 61158-6-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-20: Application layer protocol specification – Type 20 elements

IEC 61158-6-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-22: Application layer protocol specification – Type 22 elements

IEC 61158-6-23:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-23: Application layer protocol specification – Type 23 elements

IEC 61158-6-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-24: Application layer protocol specification – Type 24 elements

## 35.110 Umrežavanje (IT)

### Europska normizacija CENELEC

EN 50174-1/A2  
Informationstechnik – Installation von Kommunikationsverkabelung – Teil 1: Installationsspezifikation und Qualitätssicherung

EN 50174-2/A2  
Informationstechnik – Installation von Kommunikationsverkabelung – Teil 2: Installationsplanung und Installationspraktiken in Gebäuden

CLC/TR 50584  
Informationstechnik – CENELEC/ETSI-Wörterbuch von Begriffen für die Breitbandnutzung einschließlich Nachhaltigkeitsaspekte

EN 50600-2-3  
Informationstechnik – Einrichtungen und Infrastrukturen von Rechenzentren – Teil 2-3: Überwachung der Umgebung

### ETSI

ETSI TS 183063 V 3.6.1:2014-08  
Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN) – IMS-based IPTV stage 3 specification

ETSI TR 103279 V 1.1.1:2014-08  
End to End Network Architectures (E2NA) – Location of Transcoders for voice and video communications

ETSI GS LTN 001 V 1.1.1:2014-09  
Low Throughput Networks (LTN) – Use Cases for Low Throughput Networks

- ETSI GS LTN 002 V 1.1.1:2014-09  
Low Throughput Networks (LTN) – Functional Architecture
- ETSI GS LTN 003 V 1.1.1:2014-09  
Low Throughput Networks (LTN) – Protocols and Interfaces

## Međunarodna normizacija

### ISO

- ISO/IEC 13157-1:2014-08  
Information technology – Telecommunications and information exchange between systems – NFC Security – Part 1: NFC-SEC NFCIP-1 security services and protocol
- ISO/IEC 24771:2014-08  
Information technology – Telecommunications and information exchange between systems – MAC/PHY standard for ad hoc wireless network to support QoS in an industrial work environment

### IEC

- IEC 61158-4-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-4: Data-link layer protocol specification – Type 4 elements

## 35.160 Mikroprocesorski sustavi

### Europska normizacija

#### CENELEC

- EN 61158-2  
Industrielle Kommunikationsnetze – Feldbusse – Teil 2: Spezifikation und Dienstfestlegungen des Physical Layer (Bitübertragungsschicht) (IEC 65C/758/FDIS, entspricht IEC 61158-2)
- EN 61158-3-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 3-x: Dienstfestlegungen des Data Link Layer (Sicherheitsschicht) – Typ x Elemente (IEC 61158-3-X:201X (65C/759/FDIS))
- EN 61158-4-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 4-x: Protokollspezifikation des Data Link Layer (Sicherheitsschicht) – Typ x Elemente (IEC 61158-4-X:201X (65C/762/FDIS))
- EN 61158-5-X  
Industrielle Kommunikationsnetze – Feldbusse – Teil 5-x: Dienstfestlegungen des Application Layer (Anwendungsschicht) – Typ x Elemente (IEC 61158-5-X:201X (65C/763/FDIS))
- EN 61784-1  
Industrielle Kommunikationsnetze – Profile – Teil 1: Feldbusprofile (IEC 65C/760/FDIS, entspricht IEC 61784-1)
- EN 61784-2  
Industrielle Kommunikationsnetze – Profile – Teil 2: Zusätzliche Feldbusprofile für Echtzeitnetzwerke basierend auf ISO/IEC 8802-3 (IEC 65C/761/FDIS, entspricht IEC 61784-2)
- EN 50600-2-3  
Informationstechnik – Einrichtungen und Infrastrukturen von Rechenzentren – Teil 2-3: Überwachung der Umgebung
- EN 61158-1:2014-09  
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC 61158-1:2014)

## Međunarodna normizacija

### IEC

- IEC 61158-3-1:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-1: Data-link layer service definition – Type 1 elements
- IEC 61158-3-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-2: Data-link layer service definition – Type 2 elements
- IEC 61158-3-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-3: Data-link layer service definition – Type 3 elements
- IEC 61158-3-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-4: Data-link layer service definition – Type 4 elements
- IEC 61158-3-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-12: Data link layer service definition – Type 12 elements
- IEC 61158-3-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-13: Data link layer service definition – Type 13 elements
- IEC 61158-3-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-14: Data link layer service definition – Type 14 elements
- IEC 61158-3-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-19: Data link layer service definition – Type 19 elements
- IEC 61158-3-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-20: Data link layer service definition – Type 20 elements
- IEC 61158-3-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-22: Data link layer service definition – Type 22 elements
- IEC 61158-3-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 3-24: Data link layer service definition – Type 24 elements
- IEC 61158-4-1:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-1: Data-link layer protocol specification – Type 1 elements
- IEC 61158-4-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-2: Data-link layer protocol specification – Type 2 elements
- IEC 61158-4-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-3: Data-link layer protocol specification – Type 3 elements
- IEC 61158-4-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-4: Data-link layer protocol specification – Type 4 elements
- IEC 61158-4-11:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-11: Data-link layer protocol specification – Type 11 elements
- IEC 61158-4-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements

- IEC 61158-4-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-13: Data-link layer protocol specification – Type 13 elements
- IEC 61158-4-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-14: Data-link layer protocol specification – Type 14 elements
- IEC 61158-4-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-19: Data-link layer protocol specification – Type 19 elements
- IEC 61158-4-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-20: Data-link layer protocol specification – Type 20 elements
- IEC 61158-4-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-22: Data-link layer protocol specification – Type 22 elements
- IEC 61158-4-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 4-24: Data-link layer protocol specification – Type 24 elements
- IEC 61158-5-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements
- IEC 61158-5-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements
- IEC 61158-5-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-4: Application layer service definition – Type 4 elements
- IEC 61158-5-5:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-5: Application layer service definition – Type 5 elements
- IEC 61158-5-9:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-9: Application layer service definition – Type 9 elements
- IEC 61158-5-10:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements
- IEC 61158-5-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements
- IEC 61158-5-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-13: Application layer service definition – Type 13 elements
- IEC 61158-5-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-14: Application layer service definition – Type 14 elements
- IEC 61158-5-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements
- IEC 61158-5-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-20: Application layer service definition – Type 20 elements
- IEC 61158-5-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-22: Application layer service definition – Type 22 elements
- IEC 61158-5-23:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-23: Application layer service definition – Type 23 elements
- IEC 61158-5-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 5-24: Application layer service definition – Type 24 elements
- IEC 61158-6-2:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements
- IEC 61158-6-3:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements
- IEC 61158-6-4:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-4: Application layer protocol specification – Type 4 elements
- IEC 61158-6-5:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-5: Application layer protocol specification – Type 5 elements
- IEC 61158-6-9:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-9: Application layer protocol specification – Type 9 elements
- IEC 61158-6-10:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements
- IEC 61158-6-12:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements
- IEC 61158-6-13:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-13: Application layer protocol specification – Type 13 elements
- IEC 61158-6-14:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-14: Application layer protocol specification – Type 14 elements
- IEC 61158-6-19:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements
- IEC 61158-6-20:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-20: Application layer protocol specification – Type 20 elements
- IEC 61158-6-22:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-22: Application layer protocol specification – Type 22 elements
- IEC 61158-6-23:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-23: Application layer protocol specification – Type 23 elements
- IEC 61158-6-24:2014-08  
Industrial communication networks – Fieldbus specifications – Part 6-24: Application layer protocol specification – Type 24 elements
- IEC 61784-1:2014-08  
Industrial communication networks – Profiles – Part 1: Fieldbus profiles

## 35.200 Sučelna i spojna oprema

### Europska normizacija CENELEC

- CWA 16374-29:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 29: XFS MIB Architecture and SNMP Extensions MIB 3.20
- CWA 16374-32:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 32: XFS MIB Device Specific Definitions – Cash Dispenser Device Class MIB 3.20
- CWA 16374-38:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 38: XFS MIB Device Specific Definitions – Camera Device Class MIB 3.20
- CWA 16374-39:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 39: XFS MIB Device Specific Definitions – Alarm Device Class MIB 3.20
- CWA 16374-44:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 44: XFS MIB Application Management MIB 3.20
- CWA 16374-46:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 46: XFS MIB Device Specific Definitions – Barcode Reader Device Class MIB 3.20

### Međunarodna normizacija ISO

- ISO/IEC 24764 AMD 1:2014-04  
Information technology – Generic cabling systems for data centres; Amendment 1

## 35.220.30 Optički uređaji za pohranu podataka

### Međunarodna normizacija ISO

- ISO 18938:2014-09  
Imaging materials – Optical discs – Care and handling for extended storage

## 35.240.15 Identifikacijske kartice i pripadajuće naprave

### Europska normizacija CENELEC

- CWA 16374-29:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 29: XFS MIB Architecture and SNMP Extensions MIB 3.20
- CWA 16374-32:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 32: XFS MIB Device Specific Definitions – Cash Dispenser Device Class MIB 3.20
- CWA 16374-38:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 38: XFS MIB Device Specific Definitions – Camera Device Class MIB 3.20

- CWA 16374-39:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 39: XFS MIB Device Specific Definitions – Alarm Device Class MIB 3.20

- CWA 16374-44 : 2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 44: XFS MIB Application Management MIB 3.20

- CWA 16374-46 : 2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 46: XFS MIB Device Specific Definitions – Barcode Reader Device Class MIB 3.20

### ETSI

- ETSI TS 102223 V 12.1.0:2014-09  
Smart Cards – Card Application Toolkit (CAT) (Release 12)
- ETSI TS 103383 V 12.5.0:2014-08  
Smart Cards – Embedded UICC – Requirements Specification (Release 12)

### Međunarodna normizacija ISO

- ISO/IEC 7811-2:2014-08  
Identification cards – Recording technique – Part 2: Magnetic stripe – Low coercivity
- ISO/IEC 7816-4 Technical Corrigendum 1:2014-08  
Identification cards – Integrated circuit cards – Part 4: Organization, security and commands for interchange; Technical Corrigendum 1
- ISO/IEC 7811-1:2014-09  
Identification cards – Recording technique – Part 1: Embossing
- ISO/IEC 7811-6:2014-09  
Identification cards – Recording technique – Part 6: Magnetic stripe – High coercivity
- ISO/IEC 7811-7:2014-09  
Identification cards – Recording technique – Part 7: Magnetic stripe – High coercivity, high density
- ISO/IEC 19794-2 AMD 1 Technical Corrigendum 2:2014-09  
Information technology – Biometric data interchange formats – Part 2: Finger minutiae data; Amendment 1: Detailed description of finger minutiae location, direction, and type; Technical Corrigendum 2

## 35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

### Međunarodna normizacija ISO

- ISO/IEC 26300 Technical Corrigendum 3:2014-08  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0; Technical Corrigendum 3
- ISO/IEC 26300 AMD 1 Technical Corrigendum 1:2014-08  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0 – Amendment 1: Open Document Format for Office Applications (OpenDocument) v1.1; Technical Corrigendum 1
- ISO 28560-1:2014-08  
Information and documentation – RFID in libraries – Part 1: Data elements and general guidelines for implementation



- ISO 28560-2:2014-08  
Information and documentation – RFID in libraries – Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962
- ISO 28560-3:2014-08  
Information and documentation – RFID in libraries – Part 3: Fixed length encoding

## 35.240.40 Primjene IT-a u bankarstvu

### Europska normizacija CENELEC

- CWA 16374-29:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 29: XFS MIB Architecture and SNMP Extensions MIB 3.20
- CWA 16374-30:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 30: XFS MIB Device Specific Definitions – Printer Device Class MIB 3.20
- CWA 16374-31:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 31: XFS MIB Device Specific Definitions – Identification Card Device Class MIB 3.20
- CWA 16374-32:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 32: XFS MIB Device Specific Definitions – Cash Dispenser Device Class MIB 3.20
- CWA 16374-33:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 33: XFS MIB Device Specific Definitions – PIN Keypad Device Class MIB 3.20
- CWA 16374-34:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 34: XFS MIB Device Specific Definitions – Check Reader/Scanner Device Class MIB 3.20
- CWA 16374-35:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 35: XFS MIB Device Specific Definitions – Depository Device Class MIB 3.20
- CWA 16374-36:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 36: XFS MIB Device Specific Definitions – Text Terminal Unit Device Class MIB 3.20
- CWA 16374-37:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 37: XFS MIB Device Specific Definitions – Sensors and Indicators Unit Device Class MIB 3.20
- CWA 16374-38:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 38: XFS MIB Device Specific Definitions – Camera Device Class MIB 3.20
- CWA 16374-39:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 39: XFS MIB Device Specific Definitions – Alarm Device Class MIB 3.20
- CWA 16374-40:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 40: XFS MIB Device Specific Definitions – Card Embossing Unit Device Class MIB 3.20

- CWA 16374-41:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 41: XFS MIB Device Specific Definitions – Cash-In Module Device Class MIB 3.20
- CWA 16374-43:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 43: XFS MIB Device Specific Definitions – Vendor Dependent Mode Class MIB 3.20
- CWA 16374-44:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 44: XFS MIB Application Management MIB 3.20
- CWA 16374-45:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 45: XFS MIB Device Specific Definitions – Card Dispenser Device Class MIB 3.20
- CWA 16374-46:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 46: XFS MIB Device Specific Definitions – Barcode Reader Device Class MIB 3.20
- CWA 16374-47:2014-09  
Extensions for Financial Services (XFS) interface specification – Release 3.20 – Part 47: XFS MIB Device Specific Definitions – Item Processing Module Device Class MIB Version 3.20

### Međunarodna normizacija ISO

- ISO/IEC 8484:2014-08  
Information technology – Magnetic stripes on savingsbooks
- ISO 9564-2:2014-08  
Financial services – Personal Identification Number (PIN) management and security – Part 2: Approved algorithms for PIN encipherment

## 35.240.50 Primjene IT-a u industriji

### Europska normizacija CENELEC

- EN 61784-1  
Industrielle Kommunikationsnetze – Profile – Teil 1: Feldbusprofile (IEC 65C/760/FDIS, entspricht IEC 61784-1)
- EN 62325-451-2:2014-07  
Framework for energy market communications – Part 451-2: Scheduling business process and contextual models for CIM European market (IEC 62325-451-2:2014)
- CWA 16799:2014-09  
Validation of computational solid mechanics models
- EN 60770-3:2014-08  
Transmitters for use in industrial-process control systems – Part 3: Methods for performance evaluation of intelligent transmitters (IEC 60770-3:2014)
- EN 61158-1:2014-09  
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC 61158-1:2014)

### Međunarodna normizacija IEC

- IEC 61784-1:2014-08  
Industrial communication networks – Profiles – Part 1: Fieldbus profiles

IEC 62656-1:2014-08  
Standardized product ontology register and transfer  
by spreadsheets – Part 1: Logical structure for data  
parcels

### 35.240.60 Primjene IT-a u prijevozu i trgovini

#### Europska normizacija CEN/CENELEC

- EN 15509:2014-09  
Electronic fee collection – Interoperability application  
profile for DSRC
- EN 62325-451-2:2014-07  
Framework for energy market communications –  
Part 451-2: Scheduling business process and  
contextual models for CIM European market  
(IEC 62325-451-2:2014)
- EN 14116+A1:2014-09  
Tanks for transport of dangerous goods – Digital  
interface for product recognition devices for liquid  
fuels
- CLC/TR 50610  
Railway applications – Train Modes functional  
interface specification
- EN 62290-1:2014-09  
Railway applications – Urban guided transport  
management and command/control systems –  
Part 1: System principles and fundamental concepts  
(IEC 62290-1:2014)
- EN 62290-2:2014-09  
Railway applications – Urban guided transport  
management and command/control systems –  
Part 2: Functional requirements specification  
(IEC 62290-2:2014)

#### ETSI

- ETSI TR 101612 V 1.1.1:2014-09  
Intelligent Transport Systems (ITS) – Cross Layer  
DCC Management Entity for operation in the ITS  
G5A and ITS G5B medium – Report on Cross layer  
DCC algorithms and performance evaluation
- ETSI TS 102894-2 V 1.2.1:2014-09  
Intelligent Transport Systems (ITS) – Users and  
applications requirements – Part 2: Applications and  
facilities layer common data dictionary

#### Međunarodna normizacija ISO

- ISO 28560-1:2014-08  
Information and documentation – RFID in libraries –  
Part 1: Data elements and general guidelines for  
implementation
- ISO 28560-2:2014-08  
Information and documentation – RFID in libraries –  
Part 2: Encoding of RFID data elements based on  
rules from ISO/IEC 15962
- ISO 28560-3 : 2014-08  
Information and documentation – RFID in libraries –  
Part 3: Fixed length encoding
- ISO/IEC 29167-1:2014-08  
Information technology – Automatic identification and  
data capture techniques – Part 1: Security services  
for RFID air interfaces
- ISO/IEC 29167-11:2014-08  
Information technology – Automatic identification  
and data capture techniques – Part 11: Crypto suite  
PRESENT-80 security services for air interface  
communications

ISO/IEC 18000-7:2014-09  
Information technology – Radio frequency  
identification for item management – Part 7:  
Parameters for active air interface communications  
at 433 MHz

#### IEC

IEC 61375-2-5:2014-08  
Electronic railway equipment – Train communication  
network (TCN) – Part 2-5: Ethernet train backbone

### 35.240.80 Primjene IT u tehnici zaštite zdravlja

#### Međunarodna normizacija ISO

ISO/HL7 21731:2014-09  
Health informatics – HL7 version 3 – Reference  
information model – Release 4

### 35.240.99 Primjene IT-a u ostalim područjima

#### Europska normizacija CENELEC

EN 62325-301:2014-07  
Framework for energy market communications –  
Part 301: Common information model (CIM)  
extensions for markets (IEC 62325-301:2014)

#### Međunarodna normizacija ISO

- ISO/IEC 19788-1 AMD 1:2014-09  
Information technology – Learning, education and  
training – Metadata for learning resources – Part 1:  
Framework – Amendment 1: Conformance and  
reference software
- ISO 11783-12:2014-09  
Tractors and machinery for agriculture and forestry –  
Serial control and communications data network –  
Part 12: Diagnostics services

### 35.260 Uredski strojevi

#### Međunarodna normizacija ISO

ISO 10109:2014-09  
Optics and photonics – Guidance for the selection of  
environmental tests

### 37.020 Optička oprema

#### Međunarodna normizacija ISO

- ISO 9345-2:2014-09  
Microscopes – Imaging distances related to  
mechanical reference planes – Part 2: Infinity-  
corrected optical systems
- ISO 14135-1:2014-10  
Optics and photonics – Specifications for telescopic  
sights – Part 1: General-purpose instruments
- ISO 14135-2:2014-10  
Optics and photonics – Specifications for telescopic  
sights – Part 2: High-performance instruments
- ISO 15362:2014-09  
Stereomicroscopes – Information provided to the  
user

## 37.040.10 Fotografska oprema. Projektori

### Međunarodna normizacija IEC

- IEC 60335-2-56 AMD 2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-56: Particular requirements for  
projectors and similar appliances
- IEC 60335-2-56 Edition 3.2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-56: Particular requirements for  
projectors and similar appliances

## 37.060.10 Filmska oprema

### Međunarodna normizacija IEC

- IEC 60335-2-56 AMD 2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-56: Particular requirements for  
projectors and similar appliances
- IEC 60335-2-56 Edition 3.2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-56: Particular requirements for  
projectors and similar appliances

## 37.040.99 Druge norme koje se odnose na fotografiju

### Međunarodna normizacija ISO

- ISO 18938:2014-09  
Imaging materials – Optical discs – Care and  
handling for extended storage

## 37.080 Primjene u preslikavanju dokumenata

### Međunarodna normizacija ISO

- ISO/TR 18160:2014-09  
Document management – Digital preservation –  
Analog recording to silver-gelatin microform

## 43.040.01 Sustavi na cestovnim vozilima općenito

### Međunarodna normizacija ISO

- ISO 17324:2014-09  
Rubber hoses for automotive turbochargers –  
Specification

## 43.040.10 Električna i elektronička oprema

### Europska normizacija CENELEC

- EN 62196-1/A12:2014-08  
Plugs, socket-outlets, vehicle connectors and vehicle  
inlets – Conductive charging of electric vehicles –  
Part 1: General requirements

EN 62196-2/A12:2014-08

Plugs, socket-outlets, vehicle connectors and  
vehicle inlets – Conductive charging of electric  
vehicles – Part 2: Dimensional compatibility and  
interchangeability requirements for a.c. pin and  
contact-tube accessories

## 43.040.15 Informatika vozila. Računalni sustavi u vozilu

### Europska normizacija CEN

- EN ISO 18541-1:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 1:  
General information and use case definition  
(ISO 18541-1:2014)
- EN ISO 18541-2:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 2:  
Technical requirements (ISO 18541-2:2014)
- EN ISO 18541-3:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 3:  
Functional user interface requirements  
(ISO 18541-3:2014)

### Međunarodna normizacija ISO

- ISO 18541-1:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 1:  
General information and use case definition
- ISO 18541-2:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 2:  
Technical requirements
- ISO 18541-3:2014-09  
Road vehicles – Standardized access to automotive  
repair and maintenance information (RMI) – Part 3:  
Functional user interface requirements

## 43.120 Električna cestovna vozila

### Europska normizacija CENELEC

- EN 62196-1/A12:2014-08  
Plugs, socket-outlets, vehicle connectors and vehicle  
inlets – Conductive charging of electric vehicles –  
Part 1: General requirements
- EN 62196-2/A12:2014-08  
Plugs, socket-outlets, vehicle connectors and  
vehicle inlets – Conductive charging of electric  
vehicles – Part 2: Dimensional compatibility and  
interchangeability requirements for a.c. pin and  
contact-tube accessories

## 43.150 Bicikli

### Međunarodna normizacija ISO

- ISO 5775-1:2014-09  
Bicycle tyres and rims – Part 1: Tyre designations  
and dimensions

## 43.160 Vozila za posebne namjene

### Europska normizacija CEN

EN 1789+A2:2014-09  
Medical vehicles and their equipment – Road ambulances

## 43.180 Oprema za dijagnostiku, održavanje i ispitivanje

### Europska normizacija CEN

EN 12645:2014-08  
Tyre pressure measuring instruments – Devices for inspection of pressure and/or inflation / deflation of tyres for motor vehicles – Metrology, requirements and testing

EN ISO 18541-1:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 1: General information and use case definition (ISO 18541-1:2014)

EN ISO 18541-2:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 2: Technical requirements (ISO 18541-2:2014)

EN ISO 18541-3:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 3: Functional user interface requirements (ISO 18541-3:2014)

### Međunarodna normizacija ISO

ISO 18541-1:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 1: General information and use case definition

ISO 18541-2:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 2: Technical requirements

ISO 18541-3:2014-09  
Road vehicles – Standardized access to automotive repair and maintenance information (RMI) – Part 3: Functional user interface requirements

## 45.060.01 Željeznička tračnička vozila općenito

### Europska normizacija CEN/CENELEC

EN 15380-5:2014-09  
Railway applications – Classification system for railway vehicles – Part 5: System Breakdown Structure (SBS)

EN 16207:2014-08  
Railway applications – Braking – Functional and performance criteria of Magnetic Track Brake systems for use in railway rolling stock

EN 61287-1:2014-09  
Railway applications – Power converters installed on board rolling stock – Part 1: Characteristics and test methods (IEC 61287-1:2014)

## 45.060.10 Vučna vozila

### Europska normizacija CEN

EN 16507:2014-10  
Railway applications – Ground based service – Diesel refuelling equipment

## 47.020.01 Opće norme koje se odnose na brodogradnju i pomorske konstrukcije

### Međunarodna normizacija ISO

ISO 20283-4 AMD 1:2014-09  
Mechanical vibration – Measurement of vibration on ships – Part 4: Measurement and evaluation of vibration of the ship propulsion machinery; Amendment 1

## 47.020.60 Električna oprema brodova i pomorskih konstrukcija

### Međunarodna normizacija IEC

IEC 60092-350:2014-08  
Electrical installations in ships – Part 350: General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications

IEC 60092-354:2014-08  
Electrical installations in ships – Part 354: Single- and three-core power cables with extruded solid insulation for rated voltages 6 kV ( $U_m = 7,2$  kV) to 30 kV ( $U_m = 36$  kV)

## 47.020.70 Oprema za navigaciju i upravljanje

### Europska normizacija CENELEC

EN 61162-3/A2  
Navigations- und Funkkommunikationsgeräte und -systeme für die Seeschifffahrt – Digitale Schnittstellen – Teil 3: Serielles Dateninstrumentenetz (IEC 61162-3:2008/A2:2014)

### Međunarodna normizacija ISO

ISO 8728:2014-08  
Ships and marine technology – Marine gyro-compasses

## 47.080 Mali plovni objekti

### Europska normizacija CEN

EN ISO 6185-3:2014-08  
Inflatable boats – Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater (ISO 6185-3:2014)



## Međunarodna normizacija ISO

ISO 6185-3:2014-08  
Inflatable boats – Part 3: Boats with a hull length less than 8 m with a motor rating of 15 kW and greater

### 49.020 Zrakoplovi i svemirska vozila općenito

#### Europska normizacija CEN

EN 13718-1:2014-09  
Medical vehicles and their equipment – Air ambulances – Part 1: Requirements for medical devices used in air ambulances

### 49.025.20 Aluminij

#### Europska normizacija CEN

EN 2512:2014-10  
Aerospace series – Aluminium alloy  
AL-P7175 – T7351 – Plate – 6 mm < a ≤ 100 mm

### 49.060 Zrakoplovna električna oprema i sustavi

#### Europska normizacija CENELEC

EN 3774-001:2014-10  
Aerospace series – Circuit breakers, three-pole, temperature compensated, rated currents 1 A to 25 A – Part 001: Technical specification

### 49.080 Zrakoplovni fluidički sustavi i sastavnice

#### Europska normizacija CEN

EN 3268:2014-10  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Pressure plugs

EN 3631:2014-10  
Aerospace series – Fluid fittings, flanged, 90° elbowed – Sealing by O-ring for 0,8 mm thick tubes

EN 3635:2014-10  
Aerospace series – Weld lip – Geometrical configuration

EN 4551:2014-10  
Aerospace series – Pipe coupling, 37°, in heat resisting steel – Swivel nuts – Inch series

EN 4686:2014-10  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Equipped blind ferrule

### 49.090 Oprema i instrumenti u zrakoplovu

#### Europska normizacija CEN

EN 16603-50-04:2014-09  
Space engineering – Space data links – Telecommand protocols, synchronization and channel coding

## Međunarodna normizacija IEC

IEC 62396-5:2014-08  
Process management for avionics – Atmospheric radiation effects – Part 5: Assessment of thermal neutron fluxes and single event effects in avionics systems

### 49.100 Zemaljska služba i oprema za održavanje

#### Međunarodna normizacija ISO

ISO 6966-2:2014-08  
Aircraft ground equipment – Basic requirements – Part 2: Safety requirements

ISO 21100:2014-09  
Air cargo unit load devices – Performance requirements and test parameters

### 49.120 Oprema za rukovanje teretom

#### Međunarodna normizacija ISO

ISO 6966-2:2014-08  
Aircraft ground equipment – Basic requirements – Part 2: Safety requirements

ISO 21100:2014-09  
Air cargo unit load devices – Performance requirements and test parameters

### 49.140 Svemirski sustavi i operacije

#### Europska normizacija CEN

EN 16601-10-01:2014-08  
Space project management – Part 10-01: Organization and conduct of reviews

EN 16601-40:2014-08  
Space project management – Part 40: Configuration and information management

EN 16601-60:2014-08  
Space project management – Part 60: Cost and schedule management

EN 16601-80:2014-08  
Space project management – Part 80: Risk management

EN 16603-10-03:2014-08  
Space engineering – Testing

EN 16603-10-06:2014-08  
Space engineering – Part 10-06: Technical requirements specification

EN 16603-20-08:2014-08  
Space engineering – Part 20-08: Photovoltaic assemblies and components

EN 16603-32-02:2014-08  
Space engineering – Structural design and verification of pressurized hardware

EN 16603-32-11:2014-08  
Space engineering – Modal survey assessment

EN 16603-34:2014-08  
Space engineering – Part 34: Environmental control and life support (ECLS)

EN 16603-40:2014-08  
Space engineering – Part 40: Software

EN 16602-10-04:2014-09  
Space product assurance – Critical-item control

EN 16602-10-09:2014-09  
Space product assurance – Nonconformance control system

EN 16602-20:2014-09  
Space product assurance – Quality assurance

EN 16602-20-10:2014-09  
Space product assurance – Off-the-shelf items utilization in space systems

EN 16602-30-02:2014-09  
Space product assurance – Failure modes, effects (and criticality) analysis (FMEA/FMECA)

EN 16602-30-09:2014-09  
Space product assurance – Availability analysis

EN 16602-30-11:2014-09  
Space product assurance – Derating – EEE components

EN 16602-40-02:2014-09  
Space product assurance – Hazard analysis

EN 16602-40-12:2014-09  
Space product assurance – Fault tree analysis – Adoption notice ECSS/IEC 61025

EN 16602-60-02:2014-09  
Space product assurance – ASIC and FPGA development

EN 16602-60-05:2014-09  
Space product assurance – Generic procurement requirements for hybrids

EN 16602-60-12:2014-09  
Space product assurance – Design, selection, procurement and use of die form monolithic microwave integrated

EN 16602-60-14:2014-09  
Space product assurance – Relifing procedure – EEE components

EN 16602-60-15:2014-09  
Space product assurance – Radiation hardness assurance – EEE components

EN 16603-31:2014-09  
Space engineering – Thermal control general requirements

EN 16603-35:2014-09  
Space engineering – Propulsion general requirements

EN 16603-35-02:2014-09  
Space engineering – Solid propulsion for spacecrafts and launchers

EN 16603-35-03:2014-09  
Space engineering – Liquid propulsion for launchers

EN 16603-35-06:2014-09  
Space engineering – Cleanliness requirements for spacecraft propulsion hardware

EN 16603-35-10:2014-09  
Space engineering – Compatibility testing for liquid propulsion components, subsystems and systems

EN 16603-50:2014-09  
Space engineering – Communications

EN 16603-50-01:2014-09  
Space engineering – Space data links – Telemetry synchronization and channel coding

EN 16603-50-02:2014-09  
Space engineering – Ranging and Doppler tracking

EN 16603-50-03:2014-09  
Space engineering – Space data links – Telemetry transfer frame protocol

EN 16603-50-04:2014-09  
Space engineering – Space data links – Telecommand protocols, synchronization and channel coding

EN 16603-50-05:2014-09  
Space engineering – Radio frequency and modulation

EN 16603-50-13:2014-09  
Space engineering – Interface and communication protocol for MIL-STD-1553B data bus onboard spacecraft

EN 16603-50-14:2014-09  
Space engineering – Spacecraft discrete interfaces

EN 16603-50-51:2014-09  
Space engineering – SpaceWire protocol identification

EN 16603-50-52:2014-09  
Space engineering – SpaceWire – Remote memory access protocol

EN 16603-60-10:2014-09  
Space engineering – Control performances

EN 16603-60-20:2014-09  
Space engineering – Star sensor terminology and performance specification

EN 16603-70-32:2014-09  
Space engineering – Test and operations procedure language

EN 16604-10:2014-09  
Space sustainability – Adoption Notice of ISO 24113: Space systems – Space debris mitigation requirements

## 53.020.20 Dizalice

### Međunarodna normizacija ISO

ISO 12482:2014-09  
Cranes – Monitoring for crane design working period

ISO 16715:2014-08  
Cranes – Hand signals used with cranes

## 53.020.99 Druga oprema za dizanje

### Europska normizacija CEN

EN 1570-1+A1:2014-10  
Safety requirements for lifting tables – Part 1: Lifting tables serving up to two fixed landings

## 53.060 Industrijski prijevozni sustavi

### Europska normizacija CEN

EN ISO 3691-5/AC:2014-08  
Industrial trucks – Safety requirements and verification – Part 5: Pedestrian-propelled trucks (ISO 3691-5:2014)

## 53.100 Strojevi za zemljane radove

### Međunarodna normizacija ISO

ISO 17253:2014-09  
Earth-moving machinery and rough-terrain variable-reach trucks – Design requirements for machines intended

## 55.120 Limenke. Konzerve. Tube

### Europska normizacija

#### CEN

- EN 16565:2014-08  
Packaging – Flexible tubes – Test method to determine the orientation of the flip-top cap

## 59.060.10 Prirodna vlakna

### Međunarodna normizacija

#### ISO

- ISO 18068:2014-08  
Cotton fibres – Test method for sugar content – Spectrophotometry

## 59.080.01 Tekstili općenito

### Europska normizacija

#### CEN

- EN ISO 105-B01:2014-09  
Textiles – Tests for colour fastness – Part B01: Colour fastness to light: Daylight (ISO 105-B01:2014)
- EN ISO 11092:2014-09  
Textiles – Physiological effects – Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test) (ISO 11092:2014)

### Međunarodna normizacija

#### ISO

- ISO 3074:2014-09  
Wool – Determination of dichloromethane-soluble matter in combed sliver
- ISO 11092:2014-09  
Textiles – Physiological effects – Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)
- ISO 18184:2014-09  
Textiles – Determination of antiviral activity of textile products
- ISO 105-B01:2014-09  
Textiles – Tests for colour fastness – Part B01: Colour fastness to light: Daylight
- ISO 105-B02:2014-09  
Textiles – Tests for colour fastness – Part B02: Colour fastness to artificial light: Xenon arc fading lamp test

## 59.080.30 Tekstilni proizvodi

### Međunarodna normizacija

#### ISO

- ISO 11092 : 2014-09  
Textiles – Physiological effects – Measurement of thermal and water-vapour resistance under steady-state conditions (sweating guarded-hotplate test)

## 59.100.01 Gradiva za pojačanje mješavina općenito

### Međunarodna normizacija

#### ISO

- ISO 10122:2014-09  
Reinforcement materials – Tubular braided sleeves – Basis for a specification

## 59.100.10 Tekstilno staklo

### Međunarodna normizacija

#### ISO

- ISO 1887:2014-09  
Textile glass – Determination of combustible-matter content

## 61.060 Obuća

### Međunarodna normizacija

#### ISO

- ISO 9986:2014-09  
Composition cork for shoe outsoles

## 65.060.01 Poljoprivredni strojevi i oprema općenito

### Međunarodna normizacija

#### ISO

- ISO 11783-12:2014-09  
Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 12: Diagnostics services

## 65.060.70 Oprema za vrtlarstvo

### Europska normizacija

#### CENELEC

- EN 62841-3-9/AA  
Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen – Sicherheit – Teil 3-9: Besondere Anforderungen für Gehrungskappsägen

### Međunarodna normizacija

#### IEC

- IEC 62841-3-9:2014-08  
Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 3-9: Particular requirements for transportable mitre saws

## 65.060.80 Oprema za šumarstvo

### Europska normizacija

#### CENELEC

- EN 62841-3-9/AA  
Elektrische motorbetriebene handgeführte Werkzeuge, transportable Werkzeuge und Rasen- und Gartenmaschinen – Sicherheit – Teil 3-9: Besondere Anforderungen für Gehrungskappsägen

**Međunarodna normizacija  
IEC**

IEC 62841-3-9:2014-08  
Electric Motor-Operated Hand-Held Tools,  
Transportable Tools and Lawn and Garden  
Machinery – Safety – Part 3-9: Particular  
requirements for transportable mitre saws

**67.020      Procesi u prehrambenoj  
                  industriji**

**Međunarodna normizacija  
ISO**

ISO 22004:2014-09  
Food safety management systems – Guidance on  
the application of ISO 22000

**67.200.10   Životinjske i biljne masti i ulja**

**Međunarodna normizacija  
ISO**

ISO 5555 AMD 1:2014-07  
Animal and vegetable fats and oils – Sampling –  
Amendment 1: Flexitanks  
ISO 18301:2014-09  
Animal and vegetable fats and oils – Determination  
of conventional mass per volume (litre weight in  
air) – Oscillating U-tube method

**67.260      Postrojenja i oprema za  
                  prehrambenu industriju**

**Europska normizacija  
CEN**

EN 1672-1:2014-10  
Food processing machinery – Basic concepts –  
Part 1: Safety requirements

**71.020      Proizvodnja u kemijskoj  
                  industriji**

**Međunarodna normizacija  
ISO**

ISO 10628-1:2014-09  
Diagrams for the chemical and petrochemical  
industry – Part 1: Specification of diagrams

**71.040.20   Laboratorijsko posuđe i srodni  
                  uređaji**

**Međunarodna normizacija  
IEC**

IEC 61010-2-010:2014-09  
Safety requirements for electrical equipment  
for measurement, control and laboratory use –  
Part 2-010: Particular requirements for laboratory  
equipment for the heating of materials

**71.040.30   Kemijski reagensi**

**Međunarodna normizacija  
ISO**

ISO Guide 80:2014-08  
Guidance for the in-house preparation of quality  
control materials (QCMs)

**71.040.40   Kemijska analiza**

**Međunarodna normizacija  
ISO**

ISO 13095:2014-07  
Surface Chemical Analysis – Atomic force  
microscopy – Procedure for in situ characterization  
of AFM probe shank profile used for nanostructure  
measurement  
ISO 14706:2014-08  
Surface chemical analysis – Determination of  
surface elemental contamination on silicon wafers  
by total-reflection X-ray fluorescence (TXRF)  
spectroscopy  
ISO 17560:2014-09  
Surface chemical analysis – Secondary-ion mass  
spectrometry – Method for depth profiling of boron  
in silicon

**71.100.30   Eksplozivi. Pirotehnika**

**Europska normizacija  
CEN**

EN 16264:2014-09  
Pyrotechnic articles – Other pyrotechnic articles –  
Cartridges for powder actuated tools

**71.100.60   Eterična ulja**

**Međunarodna normizacija  
ISO**

ISO 3218:2014-08  
Essential oils – Principles of nomenclature  
ISO 16385:2014-09  
Essential oil of molle (Schinus areira L.),  
Argentinean type

**75.020      Crpenje i obradba nafte i  
                  prirodnoga plina**

**Međunarodna normizacija  
ISO**

ISO 10628-1:2014-09  
Diagrams for the chemical and petrochemical  
industry – Part 1: Specification of diagrams

**75.080      Naftni proizvodi općenito**

**Međunarodna normizacija  
ISO**

ISO/TR 19686-1:2014-09  
Petroleum products – Equivalency of test method  
determining the same property – Part 1: Atmospheric  
distillation of petroleum products



## 75.160.20 Tekuća goriva

### Europska normizacija

#### CEN

- EN 14214+A1/AC:2014-10  
Liquid petroleum products – Fatty acid methyl esters (FAME) for use in diesel engines and heating applications – Requirements and test methods

## 75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

### Europska normizacija

#### CEN

- EN 16507:2014-10  
Railway applications – Ground based service – Diesel refuelling equipment

## 77.040.10 Mehaničko ispitivanje kovina

### Europska normizacija

#### CEN

- EN ISO 6506-1:2014-09  
Metallic materials – Brinell hardness test – Part 1: Test method (ISO 6506-1:2014)
- EN ISO 6506-2:2014-09  
Metallic materials – Brinell hardness test – Part 2: Verification and calibration of testing machines (ISO 6506-2:2014)
- EN ISO 6506-3:2014-09  
Metallic materials – Brinell hardness test – Part 3: Calibration of reference blocks (ISO 6506-3:2014)
- EN ISO 6506-4:2014-09  
Metallic materials – Brinell hardness test – Part 4: Table of hardness values (ISO 6506-4:2014)

### Međunarodna normizacija

#### ISO

- ISO 16808:2014-08  
Metallic materials – Sheet and strip – Determination of biaxial stress-strain curve by means of bulge test with optical measuring systems

## 77.140.10 Čelici koji se mogu toplinski obrađivati

### Međunarodna normizacija

#### ISO

- ISO 683-4:2014-08  
Heat-treatable steels, alloy steels and free-cutting steels – Part 4: Free-cutting steels
- ISO 683-18:2014-09  
Heat-treatable steels, alloy steels and free-cutting steels – Part 18: Bright steel products

## 77.140.20 Čelici visoke kakvoće

### Međunarodna normizacija

#### ISO

- ISO 683-4:2014-08  
Heat-treatable steels, alloy steels and free-cutting steels – Part 4: Free-cutting steels

ISO 630-5:2014-09

Structural steels – Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance

ISO 683-18:2014-09

Heat-treatable steels, alloy steels and free-cutting steels – Part 18: Bright steel products

## 77.140.45 Nelegirani čelici

### Međunarodna normizacija

#### ISO

ISO 683-18:2014-09

Heat-treatable steels, alloy steels and free-cutting steels – Part 18: Bright steel products

## 77.140.70 Čelični profili

### Međunarodna normizacija

#### ISO

ISO 630-6:2014-09

Structural steels – Part 6: Technical delivery conditions for seismic-proof improved structural steels for building

## 77.140.80 Željezni i čelični odljevci

### Europska normizacija

#### CEN

EN 1559-2:2014-10

Founding – Technical conditions of delivery – Part 2: Additional requirements for steel castings

## 77.150.10 Aluminijski proizvodi

### Međunarodna normizacija

#### ISO

ISO 6361-2:2014-09

Wrought aluminium and aluminium alloys – Sheets, strips and plates – Part 2: Mechanical properties

ISO 6361-3:2014-09

Wrought aluminium and aluminium alloys – Sheets, strips and plates – Part 3: Strips: Tolerances on shape and dimensions

ISO 6361-4:2014-09

Wrought aluminium and aluminium alloys – Sheets, strips and plates – Part 4: Sheets and plates: Tolerances on shape and dimensions

ISO 6362-2:2014-09

Wrought aluminium and aluminium alloys – Extruded rods/bars, tubes and profiles – Part 2: Mechanical properties

ISO 6362-7:2014-09

Wrought aluminium and aluminium alloys – Extruded rods/bars, tubes and profiles – Part 7: Chemical composition

## 77.160 Metalurgija praha

### Europska normizacija

#### CEN

EN ISO 4490:2014-08

Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO 4490:2014)

## Međunarodna normizacija

### ISO

- ISO 4490:2014-08  
Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter)

## 79.100 Pluto i pluteni proizvodi

## Međunarodna normizacija

### ISO

- ISO 9986:2014-09  
Composition cork for shoe outsoles

## 81.040.20 Građevno staklo

## Međunarodna normizacija

### ISO

- ISO 11485-3:2014-09  
Glass in building – Curved glass – Part 3: Requirements for curved tempered and curved laminated safety glass

## 81.060.30 Tehnička keramika

## Međunarodna normizacija

### ISO

- ISO 17942:2014-08  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods for chemical analysis of boron nitride powders
- ISO 17947:2014-09  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Methods for chemical analysis of fine silicon nitride powders

## 81.080 Vatrostalna gradiva

## Europska normizacija

### CEN

- EN ISO 10081-4:2014-09  
Classification of dense shaped refractory products – Part 4: Special products (ISO 10081-4:2014)

## Međunarodna normizacija

### ISO

- ISO 10081-4:2014-09  
Classification of dense shaped refractory products – Part 4: Special products

## 83.040.10 Lateks i sirova guma

## Međunarodna normizacija

### ISO

- ISO 249:2014-08  
Rubber, raw natural – Determination of dirt content

## 83.060 Guma

## Međunarodna normizacija

### ISO

- ISO 815-1:2014-09  
Rubber, vulcanized or thermoplastic – Determination of compression set – Part 1: At ambient or elevated temperatures

ISO 6101-3:2014-08

Rubber – Determination of metal content by atomic absorption spectrometry – Part 3: Determination of copper content

ISO 6101-4:2014-08

Rubber – Determination of metal content by atomic absorption spectrometry – Part 4: Determination of manganese content

## 83.080.01 Plastika općenito

## Europska normizacija

### CEN

- EN ISO 15512:2014-09  
Plastics – Determination of water content (ISO 15512:2014)

## Međunarodna normizacija

### ISO

- ISO 3167:2014-08  
Plastics – Multipurpose test specimens
- ISO 15512:2014-09  
Plastics – Determination of water content
- ISO 17541:2014-09  
Plastics – Quantitative evaluation of scratch-induced damage and scratch visibility

## 83.100 Porasta gradiva

## Međunarodna normizacija

### ISO

- ISO 844:2014-08  
Rigid cellular plastics – Determination of compression properties

## 83.140.40 Sipke cijevi

## Međunarodna normizacija

### ISO

- ISO 17324:2014-09  
Rubber hoses for automotive turbochargers – Specification

## 83.160.10 Gume za cestovna vozila

## Europska normizacija

### CEN

- EN 12645:2014-08  
Tyre pressure measuring instruments – Devices for inspection of pressure and/or inflation / deflation of tyres for motor vehicles – Metrology, requirements and testing

## Međunarodna normizacija

### ISO

- ISO 5775-1:2014-09  
Bicycle tyres and rims – Part 1: Tyre designations and dimensions

## 85.040 Celuloza

## Međunarodna normizacija

### ISO

- ISO 2469:2014-08  
Paper, board and pulps – Measurement of diffuse radiance factor (diffuse reflectance factor)

## 85.060 Papir i karton

### Europska normizacija

#### CEN

- EN ISO 2758:2014-08  
Paper – Determination of bursting strength  
(ISO 2758:2014)

### Međunarodna normizacija

#### ISO

- ISO 2469:2014-08  
Paper, board and pulps – Measurement of diffuse  
radiance factor (diffuse reflectance factor)
- ISO 2758:2014-08  
Paper – Determination of bursting strength

## 87.040 Boje i lakovi

### Europska normizacija

#### CEN

- EN 927-2:2014-09  
Paints and varnishes – Coating materials and  
coating systems for exterior wood – Part 2:  
Performance specification
- EN 15457:2014-08  
Paints and varnishes – Laboratory method for  
testing the efficacy of film preservatives in a coating  
against fungi
- EN 15458:2014-08  
Paints and varnishes – Laboratory method for  
testing the efficacy of film preservatives in a coating  
against algae

### Međunarodna normizacija

#### ISO

- ISO 17463:2014-08  
Paints and varnishes – Guidelines for the  
determination of anticorrosive properties of organic  
coatings by accelerated cyclic electrochemical  
technique
- ISO 2813:2014-10  
Paints and varnishes – Determination of gloss value  
at 20 degrees, 60 degrees and 85 degrees

## 91.040.01 Građevine općenito

### Europska normizacija

#### CEN

- EN 16309+A1:2014-08  
Sustainability of construction works – Assessment  
of social performance of buildings – Calculation  
methodology

### Međunarodna normizacija

#### ISO

- ISO/TR 15686-11:2014-08  
Buildings and constructed assets – Service life  
planning – Part 11: Terminology

## 91.060.20 Krovovi

### Međunarodna normizacija

#### ISO

- ISO/TR 12468-3:2014-08  
External exposure of roofs to fire – Part 3:  
Commentary

## 91.060.50 Vrata i prozori

### Europska normizacija

#### CEN

- EN 16034:2014-10  
Pedestrian doorsets, industrial, commercial, garage  
doors and openable windows – Product standard,  
performance characteristics – Fire resisting and/or  
smoke control characteristics

## 91.080.40 Betonske konstrukcije

### Međunarodna normizacija

#### ISO

- ISO 19338:2014-09  
Performance and assessment requirements for  
design standards on structural concrete

## 91.100.10 Cement. Gips. Vapno. Žbuka

### Europska normizacija

#### CEN

- CEN/TR 14245:2014-09  
Cement – Guidelines for the application of  
EN 197-2 -Conformity Evaluation

## 91.100.15 Mineralni materijali i proizvodi

### Europska normizacija

#### CEN

- EN 12326-1:2014-08  
Slate and stone for discontinuous roofing and  
external cladding – Part 1: Specifications for slate  
and carbonate slate

## 91.120.10 Toplinska izolacija

### Međunarodna normizacija

#### ISO

- ISO 9869-1:2014-08  
Thermal insulation – Building elements – In-situ  
measurement of thermal resistance and thermal  
transmittance – Part 1: Heat flow meter method

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Međunarodna normizacija

#### ISO

- ISO 16251-1:2014-08  
Acoustics – Laboratory measurement of the  
reduction of transmitted impact noise by floor  
coverings on a small floor mock-up – Part 1:  
Heavyweight compact floor

## 91.120.25 Zaštita od seizmičkih djelovanja i vibracija

### Međunarodna normizacija

#### ISO

- ISO 630-6:2014-09  
Baustähle – Teil 6: Technische Lieferbedingungen  
für Baustähle mit verbessertem Erdbebenwiderstand  
für Gebäude

## 91.140.50 Sustavi opskrbe električnom energijom

### Europska normizacija CENELEC

EN 50174-2/A2  
Informationstechnik – Installation von  
Kommunikationsverkabelung – Teil 2:  
Installationsplanung und Installationspraktiken in  
Gebäuden

## 91.220 Građevna oprema

### Međunarodna normizacija ISO

ISO 21573-1:2014-08  
Building construction machinery and equipment –  
Concrete pumps – Part 1: Terminology and  
commercial specifications

ISO 18650-2:2014-09  
Building construction machinery and equipment –  
Concrete mixers – Part 2: Procedure for examination  
of mixing efficiency

## 97.030 Kućanski električni uređaji općenito

### Europska normizacija CENELEC

EN 60335-1/A11:2014-08  
Household and similar electrical appliances –  
Safety – Part 1: General requirements

EN 60299:2014-09  
Household electric blankets – Methods for  
measuring performance (IEC 60299:2014)

EN 61255:2014-09  
Household electric heating pads – Methods for  
measuring performance (IEC 61255:2014)

### Međunarodna normizacija IEC

IEC 60335-2-101 AMD 2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-101: Particular requirements for  
vaporizers

IEC 60335-2-101 Edition 1.2:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-101: Particular requirements for  
vaporizers

## 97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

### Europska normizacija CEN

EN 60705/A1:2014-08  
Household microwave ovens – Methods for  
measuring performance (IEC 60705:2010/A1:2014)

### Međunarodna normizacija IEC

IEC 60335-2-25 AMD 1:2014-08  
Household and similar electrical appliances –  
Safety – Part 2-25: Particular requirements for  
microwave ovens, including combination microwave  
ovens

IEC 60335-2-25 Edition 6.1:2014-08  
Household and similar electrical appliances – Safety –  
Part 2-25: Particular requirements for microwave  
ovens, including combination microwave ovens

IEC 60335-2-90 AMD 2:2014-09  
Household and similar electrical appliances –  
Safety – Part 2-90: Particular requirements for  
commercial microwave ovens

IEC 60335-2-90 Edition 3.2:2014-09  
Household and similar electrical appliances –  
Safety – Part 2-90: Particular requirements for  
commercial microwave ovens

## 97.080 Uređaji za čišćenje podova

### Europska normizacija CENELEC

EN 62929:2014-09  
Cleaning robots for household use – Dry  
cleaning: Methods of measuring performance  
(IEC 62929:2014)

### Međunarodna normizacija IEC

IEC 62826:2014-08  
Surface cleaning appliances – Floor treatment  
machines with or without traction drive, for  
commercial use – Methods of measuring the  
performance

## 97.120 Automatsko upravljanje za kućansku uporabu (ESHG)

### Međunarodna normizacija IEC

IEC 60730-1 Corrigendum 1:2014-09  
Automatic electrical controls – Part 1: General  
requirements; Corrigendum 1

## 97.195 Umjetnički i obrtnički predmeti

### Europska normizacija CEN

EN 16455:2014-09  
Conservation of cultural heritage – Extraction and  
determination of soluble salts in natural stone and  
related materials used in and from cultural heritage

## 97.200.40 Igrališta

### Europska normizacija CEN

EN 1176-11:2014-08  
Playground equipment and surfacing – Part 11:  
Additional specific safety requirements and test  
methods for spatial network

## 97.200.50 Igračke

### Europska normizacija CEN

CEN/TR 15071:2014-08  
Safety of toys – National translations of warnings  
and instructions for use in EN 71 series

EN 71-3+A1:2014-10  
Safety of toys – Part 3: Migration of certain elements



## **Međunarodna normizacija**

### **ISO**

- ISO 8124-2:2014-08  
Sicherheit von Spielzeug – Teil 2: Entflammbarkeit  
Safety of toys – Part 2: Flammability
- ISO 8124-6:2014-08  
Safety of toys – Part 6: Certain phthalate esters in  
toys and children's products
- ISO/TR 8124-8:2014-09  
Safety of toys – Part 8: Age determination guidelines

## **97.220.40 Oprema za sportove na otvorenom i sportove na vodi**

## **Europska normizacija**

### **CEN**

- EN 13138-1:2014-10  
Buoyant aids for swimming instruction – Part 1:  
Safety requirements and test methods for buoyant  
aids to be worn