

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

2/2011 travanj, 2011.

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

## Sadržaj:

### 1 Rezultati hrvatske normizacije

1.1	Hrvatske norme .....	A3
1.2	Nacrti hrvatskih norma .....	A33
1.3	Prijedlozi za prihvaćanje stranih norma u izvorniku ...	A34
1.4	Povučene hrvatske norme.....	A50
1.5	Povučeni nacrti hrvatskih norma	
1.6	Ispravci hrvatskih norma .....	A54
1.7	Naslovi objavljenih hrvatskih norma na hrvatskome jeziku.....	A55
1.8	Drugi normativni dokumenti	
1.9	Opća izdanja HZN-a	

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

A57

### 3 Popis radnih dokumenata Codex Alimentarius

### 4 Obavijesti HZN-a

4.1	Cjenik hrvatskih norma	
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# Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 163/03) hrvatske norme priprema, izdaje i objavljuje Hrvatski zavod za norme, na prijedlog tehničkih odbora.

Hrvatske norme mogu nastati na ova četiri načina:

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

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme.

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

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

HRN EN ISO 5264-2:2011 en pr  
Pulpe – Laboratorijsko mljevenje – 2. dio: Metoda s PFI mlinom (ISO 5264-2:2011; EN ISO 5264-2:2011)  
Pulps – Laboratory beating – Part 2: PFI mill method (ISO 5264-2:2011; EN ISO 5264-2:2011)

HRN EN ISO 7263:2011 en pr  
Valoviti sloj – Određivanje otpora valovitog sloja na pritisak poslije izrade valova u laboratoriju (ISO 7263:2011; EN ISO 7263:2011)  
Corrugating medium – Determination of the flat crush resistance after laboratory fluting (ISO 7263:2011; EN ISO 7263:2011)

HRN EN ISO 12625-8:2011 en pr  
Tanki upijajući papir i proizvodi od tankoga upijajućeg papira – 8. dio: Vrijeme upijanja i kapacitet upijanja vode metodom uranjanja košarice (ISO 12625-8:2010; EN ISO 12625-8:2010)  
Tissue paper and tissue products – Part 8: Water-absorption time and water-absorption capacity, basket-immersion test method (ISO 12625-8:2010; EN ISO 12625-8:2010)

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

HRN EN 15767-3:2011 en pr  
Prijenosna oprema za izbacivanje sredstva za gašenje koje dobavljaju vatrogasne pumpe – Prijenosni monitori – 3. dio: Uređaji za pjenu (EN 15767-3:2010)  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable monitors – Part 3: Foam devices (EN 15767-3:2010)

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

HRS CEN/TS 15293:2011 en pr  
Goriva za motorna vozila – Etanol (E85) gorivo za motorna vozila – Zahtjevi i metode ispitivanja (CEN/TS 15293:2011)  
Automotive fuels – Ethanol (E85) automotive fuel – Requirements and test methods (CEN/TS 15293:2011)

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

HRN ISO 2709:2011 en pr  
Informacije i dokumentacija – Format za razmjenu podataka (ISO 2709:2008)  
Information and documentation – Format for information exchange (ISO 2709:2008)

HRN ISO 10957:2011 en pr  
Informacije i dokumentacija – Međunarodni standardni broj notne građe (ISMN) (ISO 10957:2009)  
Information and documentation – International standard music number (ISMN) (ISO 10957:2009)

HRN ISO 11620:2011 en pr  
Informacije i dokumentacija – Pokazatelji učinka knjižnice (ISO 11620:2008)

Information and documentation – Library performance indicators (ISO 11620:2008)

HRI ISO/TR 12033:2011 en pr  
Upravljanje dokumentima – Digitalizacija – Upute za odabir metoda sažimanja slikovnog dokumenta (ISO/TR 12033:2009)

Document management – Electronic imaging – Guidance for the selection of document image compression methods (ISO/TR 12033:2009)

HRN ISO 15511:2011 en pr  
Informacije i dokumentacija – Međunarodni standardni identifikator za knjižnice i srodne ustanove (ISIL) (ISO 15511:2009)

Information and documentation – International standard identifier for libraries and related organizations (ISIL) (ISO 15511:2009)

HRN ISO 15706-1:2004/A1:2011 en pr  
Informacije i dokumentacija – Međunarodni standardni audiovizualni broj (ISAN) – Amandman 1: Alternativno kodiranje i uredničke promjene (ISO 15706-1:2002/Amd 1:2008)

Information and documentation – International Standard Audiovisual Number (ISAN) – Amendment 1: Alternate encodings and editorial changes (ISO 15706-1:2002/Amd 1:2008)

HRI ISO/TR 15801:2011 en pr  
Upravljanje dokumentima – Elektronički pohranjeni podaci – Preporuke za pouzdanost i vjerodostojnost (ISO/TR 15801:2009)

Document management – Information stored electronically – Recommendations for trustworthiness and reliability (ISO/TR 15801:2009)

HRN ISO 16245:2011 en pr  
Informacije i dokumentacija – Kutije, fascikli i druge spremnice, načinjeni od celuloznih materijala, za pohranu papirnatih i pergamentskih dokumenata (ISO 16245:2009)

Information and documentation – Boxes, file covers and other enclosures, made from cellulosic materials, for storage of paper and parchment documents (ISO 16245:2009)

HRN ISO 20775:2011 en pr  
Informacije i dokumentacija – Shema za podatke o fondu (ISO 20775:2009)

Information and documentation – Schema for holdings information (ISO 20775:2009)

HRN ISO 21047:2011 en pr  
Informacije i dokumentacija – Međunarodni standardni kod teksta (ISTC) (ISO 21047:2009)

Information and documentation – International Standard Text Code (ISTC) (ISO 21047:2009)

HRN ISO 23081-2:2011 en pr  
Informacije i dokumentacija – Upravljanje metapodacima za zapise – 2. dio: Načelna i implementacijska pitanja (ISO 23081-2:2009)

Information and documentation – Managing metadata for records – Part 2: Conceptual and implementation issues (ISO 23081-2:2009)

HRI ISO/TR 28118:2011 en pr  
Informacije i dokumentacija – Pokazatelji učinka za nacionalne knjižnice (ISO/TR 28118:2009)

Information and documentation – Performance indicators for national libraries (ISO/TR 28118:2009)

### HZN/TO 92, *Zaštita od požara*

HRN EN 1366-4:2011 en pr  
Ispitivanja otpornosti na požar servisnih instalacija – 4. dio: Brtve linearnih spojeva (EN 1366-4:2006+A1:2010)

Fire resistance tests for service installations – Part 4: Linear joint seals (EN 1366-4:2006+A1:2010)

- HRN EN ISO 1716:2011 en pr  
Ispitivanja reakcije na požar proizvoda – Određivanje bruto toplinskog potencijala (kalorična vrijednost) (ISO 1716:2010; EN ISO 1716:2010)  
Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value) (ISO 1716:2010; EN ISO 1716:2010)
- HRN EN ISO 9239-1:2011 en pr  
Ispitivanja reakcije na požar podnih obloga – 1. dio: Određivanje ponašanja pri gorenju uporabom izvora koji zrači toplinu (ISO 9239-1:2010; EN ISO 9239-1:2010)  
Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010; EN ISO 9239-1:2010)
- HRN EN ISO 11925-2:2011 en pr  
Ispitivanja reakcije na požar – Zapaljivost proizvoda izloženih izravnom djelovanju plamena – 2. dio: Ispitivanje pojedinačnim izvorom plamena (ISO 11925-2:2010+Cor 1:2011; EN ISO 11925-2:2010+AC:2011)  
Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test (ISO 11925-2:2010+Cor 1:2011; EN ISO 11925-2:2010+AC:2011)

### **HZN/TO 108, Mehaničke vibracije i udari**

- HRN ISO 2631-5:2011 en pr  
Mehaničke vibracije i udari – Vrednovanje izloženosti ljudi vibracijama cijelog tijela – 5. dio: Metode ocjenjivanja vibracija koje sadrže višestruke udare (ISO 2631-5:2004)  
Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 5: Method for evaluation of vibration containing multiple shocks (ISO 2631-5:2004)

### **HZN/TO 120, Koža i obuća**

- HRN EN ISO 13365:2011 en pr  
Koža – Kemijska ispitivanja – Određivanje sadržaja sredstva za zaštitu (TCMTB, PCMC, OPP, OIT) u koži tekućom kromatografijom (ISO 13365:2011; EN ISO 13365:2011)  
Leather – Chemical tests – Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography (ISO 13365:2011; EN ISO 13365:2011)
- HRN EN ISO 17072-1:2011 en pr  
Koža – Kemijsko određivanje sadržaja metala – 1. dio: Izlučivi metali (ISO 17072-1:2011; EN ISO 17072-1:2011)  
Leather – Chemical determination of metal content – Part 1: Extractable metals (ISO 17072-1:2011; EN ISO 17072-1:2011)
- HRN EN ISO 17072-2:2011 en pr  
Koža – Kemijsko određivanje sadržaja metala – 2. dio: Ukupan sadržaj metala (ISO 17072-2:2011; EN ISO 17072-2:2011)  
Leather – Chemical determination of metal content – Part 2: Total metal content (ISO 17072-2:2011; EN ISO 17072-2:2011)

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

- HRS CEN ISO/TS 21003-7:2008/A1:2011 en pr  
Višeslojni cijevni sustavi za instalacije s toplom i hladnom vodom u zgradama – 7. dio: Uputa za ocjenu sukladnosti – Amandman 1 (ISO/TS 21003-7:2008/Amd 1:2010; CEN ISO/TS 21003-7:2008/A1:2010)  
Multilayer piping systems for hot and cold water installations inside buildings – Part 7: Guidance for the assessment of conformity – Amendment 1 (ISO/TS 21003-7:2008/Amd 1:2010; CEN ISO/TS 21003-7:2008/A1:2010)

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

- HRN EN ISO 12567-1:2011 en pr  
Toplinske značajke prozora i vrata – Određivanje prolaza topline metodom vruće komore – 1. dio: Prozori i vrata u cjelini (ISO 12567-1:2010+Cor 1:2010; EN ISO 12567-1:2010+AC:2010)  
Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors (ISO 12567-1:2010+Cor 1:2010; EN ISO 12567-1:2010+AC:2010)

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

- HRN EN 408:2011 en pr  
Drvene konstrukcije – Konstrukcijsko drvo i lijepljeno lamelirano drvo – Određivanje fizikalnih i mehaničkih svojstava (EN 408:2010)  
Timber structures – Structural timber and glued laminated timber – Determination of some physical and mechanical properties (EN 408:2010)

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

- HRN EN ISO 11986:2011 en pr  
Oftalmološka optika – Kontaktne leće i proizvodi za održavanje kontaktnih leća – Određivanje djelovanja i slabljenja sredstava zaštite (ISO 11986:2010; EN ISO 11986:2010)  
Ophthalmic optics – Contact lenses and contact lens care products – Determination of preservative uptake and release (ISO 11986:2010; EN ISO 11986:2010)
- HRN EN ISO 11990-2:2011 en pr  
Laseri i pridružena oprema – Utvrđivanje otpornosti trahealnih intubacijskih cijevi na lasersko zračenje – 2. dio: Balonski završetci trahealnih intubacijskih cijevi (ISO 11990-2:2010; EN ISO 11990-2:2010)  
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs (ISO 11990-2:2010; EN ISO 11990-2:2010)
- HRN EN 14139:2011 en pr  
Oftalmološka optika – Specifikacije za gotove naočale (EN 14139:2010)  
Ophthalmic optics – Specifications for ready-to-wear spectacles (EN 14139:2010)
- HRN EN ISO 14729:2008/A1:2011 en pr  
Oftalmološka optika – Proizvodi za održavanje kontaktnih leća – Mikrobiološki zahtjevi i metode ispitivanja za proizvode i uvjeti za higijensko održavanje kontaktnih leća – Amandman 1 (ISO 14729:2001/Amd 1:2010; EN ISO 14729:2001/A1:2010)  
Ophthalmic optics – Contact lens care products – Microbiological requirements and test methods for products and regimens for hygienic management of contact lenses – Amendment 1 (ISO 14729:2001/Amd 1:2010; EN ISO 14729:2001/A1:2010)

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

- HRN EN 81-31:2011 en pr  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala samo za prijevoz tereta – 31. dio: Dizala u koja je moguć pristup (EN 81-31:2010)  
Safety rules for the construction and installation of lifts – Lifts for the transport of goods only – Part 31: Accessible goods only lifts (EN 81-31:2010)
- HRN EN 115-2:2011 en pr  
Sigurnost pokretnih stuba i pokretnih traka – 2. dio: Pravila za poboljšanje sigurnosti postojećih pokretnih stuba i pokretnih traka (EN 115-2:2010)  
Safety of escalators and moving walks – Part 2: Rules for the improvement of safety of existing escalators and moving walks (EN 115-2:2010)

## HZN/TO 219, *Podne obloge*

- HRN EN 14085:2011 en pr  
Elastične podne obloge – Specifikacija za podne ploče za slobodno polaganje (EN 14085:2010)  
Resilient floor coverings – Specification for floor panels for loose laying (EN 14085:2010)
- HRN EN 15825:2011 en pr  
Tekstilne podne obloge – Razredba strojno rađenih tepiha i staza bez flora (EN 15825:2010)  
Textile floor coverings – Classification of machine-made rugs and runners without pile (EN 15825:2010)

## HZN/TO 503, *Metalni materijali*

- HRN EN ISO 439:2011 en pr  
Čelik i željezni ljev – Određivanje ukupnog udjela silicija – Gravimetrijska metoda (ISO 439:1994; EN ISO 439:2010)  
Steel and iron – Determination of total silicon content – Gravimetric method (ISO 439:1994; EN ISO 439:2010)
- HRN EN 1057:2011 en pr  
Bakar i legure bakra – Bešavne, okrugle bakrene cijevi za vodu i plin za sanitarnu primjenu i grijanje (EN 1057:2006+A1:2010)  
Copper and copper alloys – Seamless, round copper tubes for water and gas in sanitary and heating applications (EN 1057:2006+A1:2010)
- HRN EN ISO 9444-2:2011 en pr  
Kontinuirano, toplo valjani nehrđajući čelik – Dopuštena odstupanja dimenzija i oblika – 2. dio: Široke trake i limovi/ploče (ISO 9444-2:2009; EN ISO 9444-2:2010)  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and sheet/plate (ISO 9444-2:2009; EN ISO 9444-2:2010)
- HRN EN ISO 9445-1:2011 en pr  
Kontinuirano, hladno valjani nehrđajući čelik – Dopuštena odstupanja dimenzija i oblika – 1. dio: Uske trake i odresci (ISO 9445-1:2009; EN ISO 9445-1:2010)  
Continuously cold-rolled stainless steel – Tolerances on dimensions and form – Part 1: Narrow strip and cut lengths (ISO 9445-1:2009; EN ISO 9445-1:2010)
- HRN EN ISO 9445-2:2011 en pr  
Kontinuirano, hladno valjani nehrđajući čelik – Dopuštena odstupanja dimenzija i oblika – 2. dio: Široke trake i ploče/limovi (ISO 9445-2:2009; EN ISO 9445-2:2010)  
Continuously cold-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and plate/sheet (ISO 9445-2:2009; EN ISO 9445-2:2010)
- HRN EN ISO 15350:2011 en pr  
Čelik i željezni ljev – Određivanje ukupnog udjela ugljika i sumpora – Apsorpcijska metoda infracrvenim zrakama nakon izgaranja u indukcijskoj peći (rutinska metoda) (ISO 15350:2000; EN ISO 15350:2010)  
Steel and iron – Determination of total carbon and sulfur content – Infrared absorption method after combustion in an induction furnace (routine method) (ISO 15350:2000; EN ISO 15350:2010)
- HRN EN ISO 15351:2011 en pr  
Čelik i željezni ljev – Određivanje udjela dušika – Metoda toplinske konduktometrije nakon taljenja u struji inertnog plina (rutinska metoda) (ISO 15351:1999; EN ISO 15351:2010)  
Steel and iron – Determination of nitrogen content – Thermal conductimetric method after fusion in a current of inert gas (Routine method) (ISO 15351:1999; EN ISO 15351:2010)

- HRN EN ISO 18286:2011 en pr  
Toplo valjane ploče od nehrđajućeg čelika – Dopuštena odstupanja dimenzija i oblika (ISO 18286:2008; EN ISO 18286:2010)  
Hot-rolled stainless steel plates – Tolerances on dimensions and shape (ISO 18286:2008; EN ISO 18286:2010)
- HRN EN ISO 21809-5:2011 en pr  
Industrija nafte i zemnog plina – Vanjske prevlake za podzemne ili podmorske cjevovode za upotrebu u transportnim sustavima cjevovoda – 5. dio: Vanjske betonske prevlake (ISO 21809-5:2010; EN ISO 21809-5:2010)  
Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 5: External concrete coatings (ISO 21809-5:2010; EN ISO 21809-5:2010)
- HRN EN ISO 26203-1:2011 en pr  
Metalni materijali – Statičko vlačno ispitivanje pri velikim brzinama istezanja – 1. dio: Sustav elastičnih udarnih valova (ISO 26203-1:2010; EN ISO 26203-1:2010)  
Metallic materials – Tensile testing at high strain rates – Part 1: Elastic-bar-type systems (ISO 26203-1:2010; EN ISO 26203-1:2010)

## HZN/TO 508, *Ambalaža i pakiranje*

- HRI CEN/TR 13910:2011 en pr  
Ambalaža – Izvještaj o kriterijima i metodologijama analiza životnog vijeka ambalaže (CEN/TR 13910:2010)  
Packaging – Report on criteria and methodologies for life cycle analysis of packaging (CEN/TR 13910:2010)
- HRN EN 14634:2011 en pr  
Staklena ambalaža – Krunsko grlo 26 H 180 – Dimenzije (EN 14634:2010)  
Glass packaging – 26 H 180 crown finish – Dimensions (EN 14634:2010)
- HRN EN 14635:2011 en pr  
Staklena ambalaža – Krunsko grlo 26 H 126 – Dimenzije (EN 14635:2010)  
Glass packaging – 26 H 126 crown finish – Dimensions (EN 14635:2010)
- HRN EN 15823:2011 en pr  
Ambalaža – Pismo za slijepe na ambalaži za lijekove (EN 15823:2010)  
Packaging – Braille on packaging for medicinal products (EN 15823:2010)
- HRN EN 15904:2011 en pr  
Staklena ambalaža – Normirana odstupanja za staklene spremnike (EN 15904:2010)  
Glass packaging – Standard tolerances for flaconage (EN 15904:2010)

## HZN/TO 509, *Cestovna oprema*

- HRN EN 12966-1:2011 en pr  
Vertikalna prometna signalizacija – Promjenjivi prometni znakovi – 1. dio: Norma za proizvod (EN 12966-1:2005+A1:2009)  
Road vertical signs – Variable message traffic signs – Part 1: Product standard (EN 12966-1:2005+A1:2009)

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

- HRN EN 13798:2011 en pr  
Hidrometrija – Specifikacija za referencijsko mjerilo oborina (EN 13798:2010)  
Hydrometry – Specification for a reference rain gauge pit (EN 13798:2010)

## **HZN/TO 513/PO 4, Mjerne jedinice i mjerila; Mjerila toplinske energije, termometri**

- HRN EN 12470-1:2011 en pr  
Medicinski termometri – 1. dio: Stakleni termometri punjeni metalnom tekućinom s napravom za pokazivanje najviše temperature (EN 12470-1:2000+A1:2009)  
Clinical thermometers – Part 1: Metallic liquid-in-glass thermometers with maximum device (EN 12470-1:2000+A1:2009)
- HRN EN 12470-2:2011 en pr  
Medicinski termometri – 2. dio: Termometri s promjenom faze (dot matrix) (EN 12470-2:2000+A1:2009)  
Clinical thermometers – Part 2: Phase change type (dot matrix) thermometers (EN 12470-2:2000+A1:2009)
- HRN EN 12470-3:2011 en pr  
Medicinski termometri – 3. dio: Zahtjevi za cjelovite električne termometre za mjerenje najviše temperature ljudskoga tijela (termometri sa sklopom za predviđanje temperature, kao i termometri bez tog sklopa) (EN 12470-3:2000+A1:2009)  
Clinical thermometers – Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device (EN 12470-3:2000+A1:2009)
- HRN EN 12470-4:2011 en pr  
Medicinski termometri – 4. dio: Električni termometri za neprekidno mjerenje temperature (EN 12470-4:2000+A1:2009)  
Clinical thermometers – Part 4: Performance of electrical thermometers for continuous measurement (EN 12470-4:2000+A1:2009)
- HRI CEN/TR 15760:2011 en pr  
Mjerila toplinske energije – Kontrolni popis pomoću kojeg se utvrđuje odnos između Direktive 2004/22/EC i norme EN 1434:2007 (CEN/TR 15760:2010)  
Heat meters – Checklist documenting the relationship between the Directive 2004/22/EC (MID) and EN 1434:2007 (CEN/TR 15760:2010)

## **HZN/TO 517, Posebne vrste konstrukcija**

- HRN EN 15878:2011 en pr  
Čelični nepokretni skladišni sustavi – Nazivi i definicije (EN 15878:2010)  
Steel static storage systems – Terms and definitions (EN 15878:2010)

## **HZN/TO 521, Usluge održavanja**

- HRN EN 13306:2011 en pr  
Održavanje – Nazivlje u održavanju (EN 13306:2010)  
Maintenance – Maintenance terminology (EN 13306:2010)

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

- HRS CEN ISO/TS 13141:2011 en pr  
Elektronička naplata – Komunikacija pojačane lokalizacije za autonomne sustave (ISO/TS 13141:2010; CEN ISO/TS 13141:2010)  
Electronic fee collection – Localisation augmentation communication for autonomous systems (ISO/TS 13141:2010; CEN ISO/TS 13141:2010)
- HRS CEN ISO/TS 14907-1:2011 en pr  
Elektronička naplata – Postupci ispitivanja za korisnika i ugrađena oprema – 1. dio: Opis postupaka ispitivanja (ISO/TS 14907-1:2010+Cor1:2010, CEN ISO/TS 14907-1:2010+AC:2010)  
Electronic fee collection – Test procedures for user and fixed equipment – Part 1: Description of test procedures (ISO/TS 14907-1:2010+Cor1:2010, CEN ISO/TS 14907-1:2010+AC:2010)

- HRN EN 15876-1:2011 en pr  
Elektronička naplata – Evaluacija opreme za prikupljanje i obradu podataka za konformnost s EN 15509 – Part 1: Test suite structure and test purposes (EN 15876-1:2010)
- HRI CEN/TR 16040:2011 en pr  
Elektronička naplata – Zahtjevi za komunikaciju kratkog dometa i gradske namijene (CEN/TR 16040:2010)  
Electronic fee collection – Requirements for urban dedicated short-range communication (CEN/TR 16040:2010)
- HRS CEN ISO/TS 17575-1:2011 en pr  
Elektronička naplata – Definicija aplikacijskog sučelja za autonomne sustave – 1. dio: Naplaćivanje (ISO/TS 17575-1:2010; CEN ISO/TS 17575-1:2010)  
Electronic fee collection – Application interface definition for autonomous systems – Part 1: Charging (ISO/TS 17575-1:2010; CEN ISO/TS 17575-1:2010)
- HRS CEN ISO/TS 17575-2:2011 en pr  
Elektronička naplata – Definicija aplikacijskog sučelja za autonomne sustave – 2. dio: Komunikacija i povezivanje s nižim slojevima (ISO/TS 17575-2:2010; CEN ISO/TS 17575-2:2010)  
Electronic fee collection – Application interface definition for autonomous systems – Part 2: Communication and connection to the lower layers (ISO/TS 17575-2:2010; CEN ISO/TS 17575-2:2010)
- HRN EN ISO 24534-1:2011 en pr  
Automatska identifikacija vozila i opreme – Identifikacija elektroničke registracije (ERI) vozila – 1. dio: Arhitektura (ISO 24534-1:2010; EN ISO 24534-1:2010)  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 1: Architecture (ISO 24534-1:2010; EN ISO 24534-1:2010)
- HRN EN ISO 24534-2:2011 en pr  
Automatska identifikacija vozila i opreme – Identifikacija elektroničke registracije (ERI) vozila – 2. dio: Operativni zahtjevi (ISO 24534-2:2010; EN ISO 24534-2:2010)  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 2: Operational requirements (ISO 24534-2:2010; EN ISO 24534-2:2010)
- HRN EN ISO 24534-3:2011 en pr  
Automatska identifikacija vozila i opreme – Identifikacija elektroničke registracije (ERI) vozila – 3. dio: Podaci o vozilu (ISO 24534-3:2010; EN ISO 24534-3:2010)  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 3: Vehicle data (ISO 24534-3:2010; EN ISO 24534-3:2010)
- HRN EN ISO 24534-4:2011 en pr  
Automatska identifikacija vozila i opreme – Identifikacija elektroničke registracije (ERI) vozila – 4. dio: Sigurna komunikacija korištenjem asimetričnih tehnika (ISO 24534-4:2010; EN ISO 24534-4:2010)  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques (ISO 24534-4:2010; EN ISO 24534-4:2010)
- HRS CEN/TS 28701:2011 en pr  
Cestovni prijevoz i prometna telematika – Javni prijevoz – Identifikacija nepomičnih objekata u javnom prijevozu (CEN/TS 28701:2010)  
Road transport and traffic telematics – Public transport – Identification of fixed objects in public transport (CEN/TS 28701:2010)

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

- HRN EN 1110:2011 en pr  
Savittljive hidroizolacijske trake – Bitumenske hidroizolacijske trake za krovove – Određivanje postojanosti pri povišenoj temperaturi (EN 1110:2010)  
Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of flow resistance at elevated temperature (EN 1110:2010)

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

- HRN EN 13074-1:2011 en pr  
Bitumen i bitumenska veziva – Izdvajanje veziva iz bitumenske emulzije ili razrijeđenoga ili omekšanoga bitumenskog veziva – 1. dio: Izdvajanje isparavanjem (EN 13074-1:2011)  
Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 1: Recovery by evaporation (EN 13074-1:2011)
- HRN EN 13074-2:2011 en pr  
Bitumen i bitumenska veziva – Izdvajanje veziva iz bitumenske emulzije ili razrijeđenoga ili omekšanoga bitumenskog veziva – 2. dio: Stabilizacija nakon izdvajanja isparavanjem (EN 13074-2:2011)  
Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 2: Stabilisation after recovery by evaporation (EN 13074-2:2011)

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

- HRN EN ISO 3381:2011 en pr  
Oprema za željeznice – Akustika – Mjerenje buke u željezničkim vozilima (ISO 3381:2005; EN ISO 3381:2011)  
Railway applications – Acoustics – Measurement of noise inside railbound vehicles (ISO 3381:2005; EN ISO 3381:2011)
- HRN EN 13262:2011 en pr  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Kotači – Zahtjevi za proizvod (EN 13262:2004+A2:2011)  
Railway applications – Wheelsets and bogies – Wheels – Product requirements (EN 13262:2004+A2:2011)
- HRN EN 13979-1:2011 en pr  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Monoblok kotači – Postupak tehničkog odobravanja – 1. dio: Kovani i valjani kotači (EN 13979-1:2003+A2:2011)  
Railway applications – Wheelsets and bogies – Monobloc wheels – Technical approval procedure – Part 1: Forged and rolled wheels (EN 13979-1:2003+A2:2011)
- HRN EN 14601:2011 en pr  
Oprema za željeznice – Ravna i kutna završna crijeva za slavine kočnice i glavnog spremnika zraka (EN 14601:2005+A1:2010)  
Railway applications – Straight and angled end cocks for brake pipe and main reservoir pipe (EN 14601:2005+A1:2010)

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

- HRN ISO 1275:2011 en pr  
Precizni valjkasti lanci dvostrukog koraka, spojnice i lančanici za prijenosnike i konvejere (ISO 1275:2006)  
Double-pitch precision roller chains, attachments and associated chain sprockets for transmission and conveyors (ISO 1275:2006)
- HRN ISO 1977:2011 en pr  
Lanci za konvejere, spojnice i lančanici (ISO 1977:2006)

Conveyor chains, attachments and sprockets (ISO 1977:2006)

- HRN ISO 2408:2011 en pr  
Čelična užad za opće namjene – Minimalni zahtjevi (ISO 2408:2004)  
Steel wire ropes for general purposes – Minimum requirements (ISO 2408:2004)
- HRN ISO 2415:2011 en pr  
Kovani škopci za opće namjene podizanja – Ravni i trbušasti škopci (ISO 2415:2004)  
Forged shackles for general lifting purposes – Dee shackles and bow shackles (ISO 2415:2004)
- HRN EN ISO 3266:2011 en pr  
Kovani čelični okasti vijci razreda 4 za opće namjene podizanja (ISO 3266:2010; EN ISO 3266:2010)  
Forged steel eyebolts grade 4 for general lifting purposes (ISO 3266:2010; EN ISO 3266:2010)
- HRN ISO 4344:2011 en pr  
Čelična užad za dizala – Minimalni zahtjevi (ISO 4344:2004)  
Steel wire ropes for lifts – Minimum requirements (ISO 4344:2004)
- HRN ISO 10190:2011 en pr  
Lanci za motocikle – Značajke i metode ispitivanja (ISO 10190:2008)  
Motorcycle chains – Characteristics and test methods (ISO 10190:2008)
- HRN EN 12195-1:2011 en pr  
Osiguranje tereta na cestovnim vozilima – Sigurnost – 1. dio: Proračun sila osiguranja (EN 12195-1:2010)  
Load restraining on road vehicles – Safety – Part 1: Calculation of securing forces (EN 12195-1:2010)
- HRN EN 13411-4:2011 en pr  
Završeci čeličnih užadi – Sigurnost – 4. dio: Metalni i plastični zaliveni završeci (EN 13411-4:2011)  
Terminations for steel wire ropes – Safety – Part 4: Metal and resin socketing (EN 13411-4:2011)
- HRN ISO 17893:2004/A1:2011 en pr  
Čelična užad – Terminološki rječnik, označavanje i razredba (ISO 17893:2004/Amd 1:2010)  
Steel wire ropes – Vocabulary, designations and classifications (ISO 17893:2004/Amd 1:2010)

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

- HRN EN 12115:2011 en pr  
Gumena i plastomerna crijeva i crijevni uređaji za tekuće ili plinovite kemikalije – Specifikacija (EN 12115:2011)  
Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals – Specification (EN 12115:2011)

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

- HRN EN 12697-47:2011 en pr  
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 47. dio: Određivanje udjela pepela u prirodnom asfaltu (EN 12697-47:2010)  
Bituminous mixtures – Test methods for hot mix asphalt – Part 47: Determination of the ash content of natural asphalts (EN 12697-47:2010)
- HRS CEN/TS 13036-2:2011 en pr  
Površinska svojstva cesta i aerodromskih operativnih površina – Metode ispitivanja – 2. dio: Ocjenjivanje otpornosti na klizanje površine kolnika uporabom dinamičkih mjernih sustava (CEN/TS 13036-2:2010)  
Road and airfield surface characteristics – Test methods – Part 2: Assessment of the skid resistance of a road pavement surface by the use of dynamic measuring systems (CEN/TS 13036-2:2010)

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

HRN EN ISO 14405-1:2011 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna tolerancija – 1. dio: Linearne veličine (ISO 14405-1:2010; EN ISO 14405-1:2010)  
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 1: Linear sizes (ISO 14405-1:2010; EN ISO 14405-1:2010)

**HZN/TO 546, Očuvanje kulturne baštine**

HRN EN 15757:2011 en pr  
Očuvanje kulturnog dobra – Specifikacije za temperaturu i relativnu vlažnost radi ograničavanja klimatski uzrokovanog mehaničkog oštećenja organskih higroskopskih materijala (EN 15757:2010)  
Conservation of cultural property – Specifications for temperature and relative humidity to limit climate-induced mechanical damage in organic hygroscopic materials (EN 15757:2010)

HRN EN 15758:2011 en pr  
Očuvanje kulturnog dobra – Postupci i instrumenti za mjerenje temperature zraka i površine predmeta (EN 15758:2010)  
Conservation of cultural property – Procedures and instruments for measuring temperatures of the air and the surfaces of objects (EN 15758:2010)

HRN EN 15801:2011 en pr  
Očuvanje kulturnog dobra – Metode ispitivanja – Određivanje kapilarne vodoupojnosti (EN 15801:2009)  
Conservation of cultural property – Test methods – Determination of water absorption by capillarity (EN 15801:2009)

HRN EN 15802:2011 en pr  
Očuvanje kulturnog dobra – Metode ispitivanja – Određivanje statičkog dodirnog kuta (EN 15802:2009)  
Conservation of cultural property – Test methods – Determination of static contact angle (EN 15802:2009)

HRN EN 15803:2011 en pr  
Očuvanje kulturnog dobra – Metode ispitivanja – Određivanje paropropusnosti (EN 15803:2009)  
Conservation of cultural property – Test methods – Determination of water vapour permeability (dp) (EN 15803:2009)

**HZN/TO 548, Konstrukcijski eurokodovi**

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

HRN EN 1991-1-1:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-1: Opća djelovanja – Prostorne težine, vlastita težina i uporabna opterećenja za zgrade (EN 1991-1-1:2002/AC:2009)  
Eurocode 1 – Actions on structures – Part 1-1: General actions – Densities, self-weight, imposed loads for buildings (EN 1991-1-1:2002/AC:2009)

HRN EN 1991-1-2:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-2: Opća djelovanja – Djelovanja na konstrukcije izložene požaru (EN 1991-1-2:2002/AC:2009)  
Eurocode 1 – Actions on structures – Part 1-2: General actions – Actions on structures exposed to fire (EN 1991-1-2:2002/AC:2009)

HRN EN 1991-1-3:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-3: Opća djelovanja – Opterećenje snijegom (EN 1991-1-3:2003/AC:2009)  
Eurocode 1 – Actions on structures – Part 1-3: General actions – Snow loads (EN 1991-1-3:2003/AC:2009)

HRN EN 1991-1-4:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-4: Opća djelovanja – Djelovanja vjetra (EN 1991-1-4:2005/AC:2010)  
Eurocode 1 – Actions on structures – Part 1-4: General actions – Wind actions (EN 1991-1-4:2005/AC:2010)

HRN EN 1991-1-5:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-5: Opća djelovanja – Toplinska djelovanja (EN 1991-1-5:2003/AC:2009)  
Eurocode 1 – Actions on structures – Part 1-5: General actions – Thermal actions (EN 1991-1-5:2003/AC:2009)

HRN EN 1991-1-7:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – Dio 1-7: Opća djelovanja – Izvanredna djelovanja (EN 1991-1-7:2006/AC:2010)  
Eurocode 1 – Actions on structures – Part 1-7: General actions – Accidental actions (EN 1991-1-7:2006/AC:2010)

HRN EN 1991-2:2008/Ispr.1:2011 en pr  
Eurokod 1 – Djelovanja na konstrukcije – 2. dio: Prometna opterećenja mostova (EN 1991-2:2003/AC:2010)  
Eurocode 1 – Actions on structures – Part 2: Traffic loads on bridges (EN 1991-2:2003/AC:2010)

HRN EN 1992-1-1:2008/Ispr.1:2011 en pr  
Eurokod 2 – Projektiranje betonskih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade (EN 1992-1-1:2004/AC:2010)  
Eurocode 2 – Design of concrete structures – Part 1-1: General rules and rules for buildings (EN 1992-1-1:2004/AC:2010)

HRN EN 1993-1-10:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-10: Žilavost materijala i svojstva kroz debljinu elementa (EN 1993-1-10:2005/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-10: Material toughness and through-thickness properties (EN 1993-1-10:2005/AC:2009)

HRN EN 1993-1-11:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-11: Projektiranje konstrukcija s vlačnim komponentama (EN 1993-1-11:2006/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-11: Design of structures with tension components (EN 1993-1-11:2006/AC:2009)

HRN EN 1993-1-1:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade (EN 1993-1-1:2005/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-1: General rules and rules for buildings (EN 1993-1-1:2005/AC:2009)

HRN EN 1993-1-12:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-12: Dodatna pravila za proširenje EN 1993 na vrste čelika do S700 (EN 1993-1-12:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-12: Additional rules for the extension of EN 1993 up to steel grades S700 (EN 1993-1-12:2007/AC:2009)

HRN EN 1993-1-2:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-2: Opća pravila – Projektiranje konstrukcija na djelovanje požara (EN 1993-1-2:2005/AC:2009)



- Eurocode 3 – Design of steel structures – Part 1-2: General rules – Structural fire design (EN 1993-1-2:2005/AC:2009)
- HRN EN 1993-1-3:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-3: Opća pravila – Dodatna pravila za hladno oblikovane elemente i limove (EN 1993-1-3:2006/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-3: General rules – Supplementary rules for cold-formed members and sheeting (EN 1993-1-3:2006/AC:2009)
- HRN EN 1993-1-5:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-5: Pločasti konstrukcijski elementi (EN 1993-1-5:2006/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-5: Plated structural elements (EN 1993-1-5:2006/AC:2009)
- HRN EN 1993-1-6:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-6: Čvrstoća i stabilnost ljuskastih konstrukcija (EN 1993-1-6:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-6: Strength and Stability of Shell Structures (EN 1993-1-6:2007/AC:2009)
- HRN EN 1993-1-7:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-7: Pločaste konstrukcije izložene opterećenju izvan ravnine (EN 1993-1-7:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-7: Plated structures subject to out of plane loading (EN 1993-1-7:2007/AC:2009)
- HRN EN 1993-1-8:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-8: Projektiranje priključaka (EN 1993-1-8:2005/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-8: Design of joints (EN 1993-1-8:2005/AC:2009)
- HRN EN 1993-1-9:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 1-9: Zamor (EN 1993-1-9:2005/AC:2009)  
Eurocode 3 – Design of steel structures – Part 1-9: Fatigue (EN 1993-1-9:2005/AC:2009)
- HRN EN 1993-2:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 2. dio: Čelični mostovi (EN 1993-2:2006/AC:2009)  
Eurocode 3 – Design of steel structures – Part 2: Steel Bridges (EN 1993-2:2006/AC:2009)
- HRN EN 1993-3-1:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 3-1: Tornjevi, jarboli i dimnjaci – Tornjevi i jarboli (EN 1993-3-1:2006/AC:2009)  
Eurocode 3 – Design of steel structures – Part 3-1: Towers, masts and chimneys – Towers and masts (EN 1993-3-1:2006/AC:2009)
- HRN EN 1993-4-1:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 4-1: Silosi (EN 1993-4-1:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 4-1: Silos (EN 1993-4-1:2007/AC:2009)
- HRN EN 1993-4-2:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 4-2: Spremnici (EN 1993-4-2:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 4-2: Tanks (EN 1993-4-2:2007/AC:2009)
- HRN EN 1993-4-3:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – Dio 4-3: Cjevovodi (EN 1993-4-3:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 4-3: Pipelines (EN 1993-4-3:2007/AC:2009)
- HRN EN 1993-5:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 5. dio: Piloti (EN 1993-5:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 5: Piling (EN 1993-5:2007/AC:2009)
- HRN EN 1993-6:2008/Ispr.1:2011 en pr  
Eurokod 3 – Projektiranje čeličnih konstrukcija – 6. dio: Kranske staze (EN 1993-6:2007/AC:2009)  
Eurocode 3 – Design of steel structures – Part 6: Crane supporting structures (EN 1993-6:2007/AC:2009)
- HRN EN 1994-1-1:2008/Ispr.1:2011 en pr  
Eurokod 4 – Projektiranje spregnutih konstrukcija od čelika i betona – Dio 1-1: Opća pravila i pravila za zgrade (EN 1994-1-1:2004/AC:2009)  
Eurocode 4 – Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings (EN 1994-1-1:2004/AC:2009)
- HRN EN 1995-1-2:2008/Ispr.1:2011 en pr  
Eurokod 5 – Projektiranje drvenih konstrukcija – Dio 1-2: Općenito – Projektiranje konstrukcija na djelovanje požara (EN 1995-1-2:2004/AC:2009)  
Eurocode 5 – Design of timber structures – Part 1-2: General – Structural fire design (EN 1995-1-2:2004/AC:2009)
- HRN EN 1996-1-1:2008/Ispr.1:2011 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – Dio 1-1: Opća pravila za armirane i nearmirane zidane konstrukcije (EN 1996-1-1:2005/AC:2009)  
Eurocode 6 – Design of masonry structures – Part 1-1: General rules for reinforced and unreinforced masonry structures (EN 1996-1-1:2005/AC:2009)
- HRN EN 1996-1-2:2008/Ispr.1:2011 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – Dio 1-2: Opća pravila – Projektiranje konstrukcija na djelovanje požara (EN 1996-1-2:2005/AC:2010)  
Eurocode 6 – Design of masonry structures – Part 1-2: General rules – Structural fire design (EN 1996-1-2:2005/AC:2010)
- HRN EN 1996-2:2008/Ispr.1:2011 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – 2. dio: Konstruiranje, odabir materijala i izvedba zida (EN 1996-2:2006/AC:2009)  
Eurocode 6 – Design of masonry structures – Part 2: Design considerations, selection of materials and execution of masonry (EN 1996-2:2006/AC:2009)
- HRN EN 1996-3:2008/Ispr.1:2011 en pr  
Eurokod 6 – Projektiranje zidanih konstrukcija – 3. dio: Pojednostavnjene proračunske metode za nearmirane zidane konstrukcije (EN 1996-3:2006/AC:2009)  
Eurocode 6 – Design of masonry structures – Part 3: Simplified calculation methods for unreinforced masonry structures (EN 1996-3:2006/AC:2009)
- HRN EN 1997-1:2008/Ispr.1:2011 en pr  
Eurokod 7 – Geotehničko projektiranje – 1. dio: Opća pravila (EN 1997-1:2004/AC:2009)  
Eurocode 7 – Geotechnical design – Part 1: General rules (EN 1997-1:2004/AC:2009)
- HRN EN 1997-2:2008/Ispr.1:2011 en pr  
Eurokod 7 – Geotehničko projektiranje – 2. dio: Istraživanje i ispitivanje temeljnoga tla (EN 1997-2:2007/AC:2010)  
Eurocode 7 – Geotechnical design – Part 2: Ground investigation and testing (EN 1997-2:2007/AC:2010)
- HRN EN 1998-1:2008/Ispr.1:2011 en pr  
Eurokod 8 – Projektiranje konstrukcija otpornih na potres – 1. dio: Opća pravila, potresna djelovanja i pravila za zgrade (EN 1998-1:2004/AC:2009)  
Eurocode 8 – Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings (EN 1998-1:2004/AC:2009)

HRN EN 1998-2:2008/Ispr.1:2011 en pr  
Eurokod 8 – Projektiranje konstrukcija otpornih na potres – 2. dio: Mostovi (EN 1998-2:2005/AC:2010)  
Eurocode 8 – Design of structures for earthquake resistance – Part 2: Bridges  
(EN 1998-2:2005/AC:2010)

HRN EN 1998-3:2008/Ispr.1:2011 en pr  
Eurokod 8 – Projektiranje konstrukcija otpornih na potres – 3. dio: Ocjenjivanje i obnova zgrada  
(EN 1998-3:2005/AC:2010)  
Eurocode 8 – Design of structures for earthquake resistance – Part 3: Assessment and retrofitting of buildings (EN 1998-3:2005/AC:2010)

HRN EN 1999-1-2:2008/Ispr.1:2011 en pr  
Eurokod 9 – Projektiranje aluminijskih konstrukcija – Dio 1-2: Projektiranje konstrukcija na djelovanje požara  
(EN 1999-1-2:2007/AC:2009)  
Eurocode 9 – Design of aluminium structures – Part 1-2: Structural fire design  
(EN 1999-1-2:2007/AC:2009)

HRN EN 1999-1-4:2008/Ispr.1:2011 en pr  
Eurokod 9 – Projektiranje aluminijskih konstrukcija – Dio 1-4: Hladno oblikovani konstrukcijski limovi  
(EN 1999-1-4:2007/AC:2009)  
Eurocode 9 – Design of aluminium structures – Part 1-4: Cold-formed structural sheeting  
(EN 1999-1-4:2007/AC:2009)

HRN EN 1999-1-5:2008/Ispr.1:2011 en pr  
Eurokod 9 – Projektiranje aluminijskih konstrukcija – Dio 1-5: Ljuskaste konstrukcije  
(EN 1999-1-5:2007/AC:2009)  
Eurocode 9 – Design of aluminium structures – Part 1-5: Shell structures  
(EN 1999-1-5:2007/AC:2009)

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

HRN EN 1113:2011 en pr  
Sanitarne armature – Crijeva za tuš za sanitarne armature za vodoopkrbne sustave tipa 1 i tipa 2 – Opća tehnička specifikacija (EN 1113:2008+A1:2011)  
Sanitary tapware – Shower hoses for sanitary tapware for water supply systems of type 1 and type 2 – General technical specification (EN 1113:2008+A1:2011)

HRN EN 15975-1:2011 en pr  
Osiguranje opskrbe vodom za piće – Smjernice za upravljanje rizikom i krizom – 1. dio: Upravljanje krizom  
(EN 15975-1:2011)  
Security of drinking water supply – Guidelines for risk and crisis management – Part 1: Crisis management  
(EN 15975-1:2011)

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

HRN EN ISO 8394-1:2011 en pr  
Gradnja zgrada – Proizvodi za spajanje – 1. dio: Određivanje svojstva istiskivanja brtvila  
(ISO 8394-1:2010; EN ISO 8394-1:2010)  
Building construction – Jointing products – Part 1: Determination of extrudability of sealants  
(ISO 8394-1:2010; EN ISO 8394-1:2010)

HRN EN ISO 8394-2:2011 en pr  
Gradnja zgrada – Proizvodi za spajanje – 2. dio: Određivanje svojstva istiskivanja brtvila uporabom normiranog uređaja (ISO 8394-2:2010; EN ISO 8394-2:2010)  
Building construction – Jointing products – Part 2: Determination of extrudability of sealants using standardized apparatus (ISO 8394-2:2010; EN ISO 8394-2:2010)

HRN EN 15643-1:2011 en pr  
Održivost građevina – Ocjenjivanje održivosti zgrada – 1. dio: Opći okvir (EN 15643-1:2010)  
Sustainability of construction works – Sustainability assessment of buildings – Part 1: General framework  
(EN 15643-1:2010)

HRN EN 15643-2:2011 en pr  
Održivost građevina – Ocjenjivanje zgrada – 2. dio: Okvir za ocjenjivanje svojstava s obzirom na okoliš (EN 15643-2:2011)  
Sustainability of construction works – Assessment of buildings – Part 2: Framework for the assessment of environmental performance (EN 15643-2:2011)

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

HRN EN 12566-3:2011 en pr  
Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 3. dio: Tvornički izrađen i/ili na objektu sastavljen uređaj za obradu sanitarnih otpadnih voda (EN 12566-3:2005+A1:2009)  
Small wastewater treatment systems for up to 50 PT – Part 3: Packaged and/or site assembled domestic wastewater treatment plants  
(EN 12566-3:2005+A1:2009)

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

HRN EN ISO 11737-2:2011 en pr  
Sterilizacija medicinskoga pribora – Mikrobiološke metode – 2. dio: Ispitivanja sterilnosti koja se izvode pri validaciji procesa sterilizacije (ISO 11737-2:2009; EN ISO 11737-2:2009)  
Sterilization of medical devices – Microbiological methods – Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process (ISO 11737-2:2009; EN ISO 11737-2:2009)

### **HZN/TO 557, *Zaštitna odjeća***

HRN EN 420:2011 en pr  
Zaštitne rukavice – Opći zahtjevi i ispitne metode (EN 420:2003+A1:2009)  
Protective gloves – General requirements and test methods (EN 420:2003+A1:2009)

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

HRN EN ISO 1833-24:2011 en pr  
Tekstil – Kvantitativna kemijska analiza – 24. dio: Mješavine poliesterskih vlakana i određenih drugih vlakana (metoda s uporabom fenola i tetrakloretana) (ISO 1833-24:2010; EN ISO 1833-24:2011)  
Textiles – Quantitative chemical analysis – Part 24: Mixtures of polyester and certain other fibres (method using phenol and tetrachloroethane)  
(ISO 1833-24:2010; EN ISO 1833-24:2011)

HRN EN 15977:2011 en pr  
Gumom ili plastikom naslojen plošni tekstil – Mehanička svojstva – Određivanje produljenja pod opterećenjem i zaostala deformacija (EN 15977:2011)  
Rubber or plastic coated fabrics – Mechanical properties – Determination of the elongation under load and the residual deformation (EN 15977:2011)

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

HRN EN ISO 6887-5:2011 en pr  
Mikrobiologija hrane i hrane za životinje – Priprema ispitnih uzoraka, osnovnih i decimalnih razrjeđenja za mikrobiološko ispitivanje – 5. dio: Posebna pravila za pripremu mlijeka i mliječnih proizvoda (ISO 6887-5:2010; EN ISO 6887-5:2010)  
Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 5: Specific rules for the preparation of milk and milk products (ISO 6887-5:2010; EN ISO 6887-5:2010)

HRS CEN ISO/TS 10272-3:2011 en pr  
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za dokazivanje i određivanje broja bakterija *Campylobacter* spp. – 3. dio: Semi-kvantitativna metoda (ISO/TS 10272-3:2010; CEN ISO/TS 10272-3:2010)

Microbiology of food and animal feeding stuffs – Horizontal method for detection and enumeration of *Campylobacter* spp. – Part 3: Semi-quantitative method (ISO/TS 10272-3:2010; CEN ISO/TS 10272-3:2010)

HRN EN ISO 13720:2011 en pr  
Meso i mesni proizvodi – Određivanje broja bakterije *Pseudomonas* spp. (ISO 13720:2010; EN ISO 13720:2010)  
Meat and meat products – Enumeration of presumptive *Pseudomonas* spp. (ISO 13720:2010; EN ISO 13720:2010)

HRN EN 15850:2011 en pr  
Hrana – Određivanje zearalenona u dječjoj hrani na bazi kukuruza, u ječmenom brašnu, kukuruznom brašnu, kukuruznoj krupici, pšeničnom brašnu i u hrani za dojenčad i malu djecu na bazi žitarica – HPLC metoda s pročišćavanjem na imunoafinitetnoj koloni i s fluorescentnom detekcijom (EN 15850:2010)  
Foodstuffs – Determination of zearalenone in maize based baby food, barley flour, maize flour, polenta, wheat flour and cereal based foods for infants and young children – HPLC method with immunoaffinity column cleanup and fluorescence detection (EN 15850:2010)

HRN EN 15851:2011 en pr  
Hrana – Određivanje aflatoksina B1 u hrani za dojenčad i malu djecu na bazi žitarica – HPLC metoda s pročišćavanjem na imunoafinitetnoj koloni i s fluorescentnom detekcijom (EN 15851:2010)  
Foodstuffs – Determination of aflatoxin B1 in cereal based foods for infants and young children – HPLC method with immunoaffinity column cleanup and fluorescence detection (EN 15851:2010)

HRN EN 15911:2011 en pr  
Hrana – Istovremeno određivanje devet zaslađivača pomoću tekućinske kromatografije visoke učinkovitosti i isparavanjem uz detekciju raspršenja svjetlosti (EN 15911:2010)  
Foodstuffs – Simultaneous determination of nine sweeteners by high performance liquid chromatography and evaporative light scattering detection (EN 15911:2010)

HRI CEN/TR 16059:2011 en pr  
Hrana – Kriteriji prihvatljivosti za pojedine laboratorijski validirane metode analiza za određivanje mikotoksina (CEN/TR 16059:2010)  
Food analysis – Performance criteria for single laboratory validated methods of analysis for the determination of mycotoxins (CEN/TR 16059:2010)

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

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

HRN EN 62058-11:2011 en pr  
Električna brojila za izmjeničnu struju – Pregled za prihvaćanje – 11. dio: Opći postupci pregleda za prihvaćanje (IEC 62058-11:2008, MOD; EN 62058-11:2010)  
Electricity metering equipment (a.c.) – Acceptance inspection – Part 11: General acceptance inspection methods (IEC 62058-11:2008, MOD; EN 62058-11:2010)

HRN EN 62058-21:2011 en pr  
Električna brojila za izmjeničnu struju – Pregled za prihvaćanje – 31. dio: Posebni zahtjevi za elektromehanička brojila djelatne energije (razreda 0,5, 1 i 2 i razreda točnosti A i B) (IEC 62058-21:2008, MOD; EN 62058-21:2010)  
Electricity metering equipment (a.c.) – Acceptance inspection – Part 21: Particular requirements for electromechanical meters for active energy (classes 0,5, 1 and 2 and class indexes A and B) (IEC 62058-21:2008, MOD; EN 62058-21:2010)

HRN EN 62058-31:2011 en pr  
Električna brojila za izmjeničnu struju – Pregled za prihvaćanje – 31. dio: Posebni zahtjevi za statička brojila djelatne energije (razreda 0,2 S, 0,5 S, 1 i 2 i razreda točnosti A, B i C) (IEC 62058-31:2008, MOD; EN 62058-31:2010)  
Electricity metering equipment (a.c.) – Acceptance inspection – Part 31: Particular requirements for static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2, and class indexes A, B and C) (IEC 62058-31:2008, MOD; EN 62058-31:2010)

### **HZN/TO E22, Energetska elektronika**

HRN EN 60146-1-1:2011 en pr  
Poluvodički pretvarači – Opći zahtjevi i mrežom komutirani pretvarači – Dio 1-1: Specifikacije temeljnih zahtjeva (IEC 60146-1-1:2009; EN 60146-1-1:2010)  
Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specification of basic requirements (IEC 60146-1-1:2009; EN 60146-1-1:2010)

HRI CLC/TR 60919-2:2011 en pr  
Svojstva sustava istosmjerne struje visokog napona (HVDC) s mrežom komutiranim pretvaračima – 2. dio: Smetnje i sklapanje (IEC/TR 60919-2:2008; CLC/TR 60919-2:2010)  
Performance of high-voltage direct current (HVDC) systems with line-commutated converters – Part 2: Faults and switching (IEC/TR 60919-2:2008; CLC/TR 60919-2:2010)

HRI CLC/TR 61491:2011 en pr  
Električna oprema industrijskih strojeva – Serijska podatkovna veza za komunikaciju u stvarnom vremenu između upravljanja i pogona (IEC/TR 61491:2010; CLC/TR 61491:2010)  
Electrical equipment of industrial machines – Serial data link for real-time communication between controls and drives (IEC/TR 61491:2010; CLC/TR 61491:2010)

HRN EN 61803:2004/A1:2011 en pr  
Određivanje gubitaka u pretvaračkim stanicama istosmjerne struje visokog napona (HVDC) s mrežom komutiranim pretvaračima (IEC 61803:1999/am1:2010; EN 61803:1999/A1:2010)  
Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters (IEC 61803:1999/am1:2010; EN 61803:1999/A1:2010)

HRN EN 61975:2011 en pr  
Instalacije istosmjerne struje visokog napona (HVDC) – Ispitivanja sustava (IEC 61975:2010; EN 61975:2010)  
High-voltage direct current (HVDC) installations – System tests (IEC 61975:2010; EN 61975:2010)

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

HRS CLC/TS 50539-12:2011 en pr  
Prenaponske zaštitne naprave za niski napon – Prenaponske zaštitne naprave za posebnu primjenu uključujući istosmjernu struju – 12. dio: Načela odabira i primjene – SPD-i spojeni na fotonaponske instalacije (CLC/TS 50539-12:2010)

- Low-voltage surge protective devices – Surge protective devices for specific application including d.c. – Part 12: Selection and application principles – SPDs connected to photovoltaic installations (CLC/TS 50539-12:2010)
- HRS CLC/TS 50539-22:2011 enpr  
Prenaponske zaštitne naprave za niski napon – Prenaponske zaštitne naprave za posebnu primjenu uključujući istosmjernu struju – 22. dio: Načela odabira i primjene – Primjene na vjetroturbinama (CLC/TS 50539-22:2010)  
Low-voltage surge protective devices – Surge protective devices for specific application including d.c. – Part 22: Selection and application principles – Wind turbine applications (CLC/TS 50539-22:2010)
- HRS CLC/TS 50544:2011 en pr  
Prenaponske zaštitne naprave za sustave vuče za niski napon istosmjerne struje – Pravila za odabir i primjenu odvodnika prenapona (CLC/TS 50544:2010)  
Low voltage d.c. surge protective device for traction systems – Selection and application rules for surge arresters (CLC/TS 50544:2010)
- HRN EN 60099-4:2008/A2:2011 en pr  
Odvodnici prenapona – 4. dio: Metaloksidni odvodnici prenapona bez iskrišta za sustave izmjenične struje (IEC 60099-4:2004/am2:2009; EN 60099-4:2004/A2:2009)  
Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems (IEC 60099-4:2004/am2:2009; EN 60099-4:2004/A2:2009)
- HRS CLC/TS 61643-12:2011 enpr  
Prenaponske zaštitne naprave za niski napon – 12. dio: Prenaponske zaštitne naprave spojene na niskonaponske energetske sustave – Načela odabira i primjene (IEC 61643-12:2008, MOD; CLC/TS 61643-12:2009)  
Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power distribution systems – Selection and application principles (IEC 61643-12:2008, MOD; CLC/TS 61643-12:2009)
- HRN EN 61643-21:2008/A1:2011 en pr  
Prenaponske zaštitne naprave za niski napon – 21. dio: Prenaponske zaštitne naprave spojene na telekomunikacijske i signalne mreže – Zahtjevi za radna svojstva i metode ispitivanja (IEC 61643-21:2000/am1:2008, MOD; EN 61643-21:2001/A1:2009)  
Low voltage surge protective devices – Part 21: Surge protective devices connected to telecommunications and signalling networks – Performance requirements and testing methods (IEC 61643-21:2000/am1:2008, MOD; EN 61643-21:2001/A1:2009)

### **HZNTO E45, Nuklearna instrumentacija**

- HRN EN 60709:2011 en pr  
Nuklearne elektrane – Sustavi instrumentacije i upravljanja važni za sigurnost – Fizičko i električno odvajanje (IEC 60709:2004; EN 60709:2010)  
Nuclear power plants – Instrumentation and control systems important to safety – Separation (IEC 60709:2004; EN 60709:2010)
- HRN EN 60880:2011 en pr  
Nuklearne elektrane – Sustavi instrumentacije i upravljanja važni za sigurnost – Aspekti softvera programske podrške računalno utemeljenih sustava za izvođenje funkcija A kategorije (IEC 60880:2006; EN 60880:2009)  
Nuclear power plants – Instrumentation and control systems important to safety – Software aspects for computer-based systems performing category A functions (IEC 60880:2006; EN 60880:2009)
- HRN EN 60964:2011 en pr  
Nuklearne elektrane – Upravljačke sobe – Projektiranje (IEC 60964:2009; EN 60964:2010)  
Nuclear power plants – Control rooms – Design (IEC 60964:2009; EN 60964:2010)
- HRN EN 60987:2011 en pr  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Projektni zahtjevi za hardver računalnog sustava (IEC 60987:2007, MOD; EN 60987:2009)  
Nuclear power plants – Instrumentation and control important to safety – Hardware design requirements for computer-based systems (IEC 60987:2007, MOD; EN 60987:2009)
- HRN EN 61226:2011 en pr  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Razredba instrumentacijskih i upravljačkih funkcija (IEC 61226:2009; EN 61226:2010)  
Nuclear power plants – Instrumentation and control important to safety – Classification of instrumentation and control functions (IEC 61226:2009; EN 61226:2010)
- HRN EN 62138:2011 en pr  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Aspekti softvera programske podrške računalno utemeljenih sustava za izvođenje funkcija B i C kategorija (IEC 62138:2004; EN 62138:2009)  
Nuclear power plants – Instrumentation and control important to safety – Software aspects for computer-based systems performing category B or C functions (IEC 62138:2004; EN 62138:2009)
- HRN EN 62340:2011 en pr  
Nuklearne elektrane – Sustavi instrumentacije i upravljanja važni za sigurnost – Zahtjevi za postupanje s kvarom zajedničkog uzroka (CCF) (IEC 62340:2007; EN 62340:2010)  
Nuclear power plants – Instrumentation and control systems important to safety – Requirements for coping with Common Cause Failure (CCF) (IEC 62340:2007; EN 62340:2010)

### **HZNTO E62, Električna oprema u medicinskoj praksi**

- HRN EN 45502-2-2:2008/Ispr.1:2011 en pr  
Aktivni implantabilni medicinski uređaji – Dio 2-2: Posebni zahtjevi za aktivne implantabilne medicinske uređaje namijenjene liječenju tahiaritmija (uključuje implantabilne defibrilatore) (EN 45502-2-2:2008/AC:2009)  
Active implantable medical devices – Part 2-2: Particular requirements for active implantable medical devices intended to treat tachyarrhythmia (includes implantable defibrillators) (EN 45502-2-2:2008/AC:2009)
- HRN EN 60601-1-11:2011 en pr  
Medicinski električni uređaji – Dio 1-11: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za medicinske električne uređaje i opremu uporabljene u okolini kućne zdravstvene njege (IEC 60601-1-11: 2010; EN 60601-1-11:2010)  
Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment (IEC 60601-1-11: 2010; EN 60601-1-11:2010)
- HRN EN 60601-1:2008/Ispr.1:2011 en pr  
Medicinski električni uređaji – 1. dio: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke (EN 60601-1:2006/AC:2010)

- Medical electrical equipment – Part 1: General requirements for basic safety and essential performance (EN 60601-1:2006/AC:2010)
- HRN EN 60601-1-2:2008/Ispr.1:2011 en pr  
Medicinska električna oprema – Dio 1-2: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Elektromagnetska kompatibilnost – Zahtjevi i ispitivanja (EN 60601-1-2:2007/AC:2010)  
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests (EN 60601-1-2:2007/AC:2010)
- HRN EN 60601-1-3:2008/Ispr.1:2011 en pr  
Medicinski električni uređaji – Dio 1-3: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zaštitu od zračenja u dijagnostičkoj rendgenskoj opremi (EN 60601-1-3:2008/AC:2010)  
Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment (EN 60601-1-3:2008/AC:2010)
- HRN EN 60601-1-6:2009/Ispr.1:2011 en pr  
Medicinski električni uređaji – Dio 1-6: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Upotrebljivost (EN 60601-1-6:2007/AC:2010)  
Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral Standard: Usability (EN 60601-1-6:2007/AC:2010)
- HRN EN 60601-1-6:2011 en pr  
Medicinski električni uređaji – Dio 1-6: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Upotrebljivost (IEC 60601-1-6:2010; EN 60601-1-6:2010)  
Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability (IEC 60601-1-6:2010; EN 60601-1-6:2010)
- HRN EN 60601-1-8:2009/Ispr.1:2011 en pr  
Medicinski električni uređaji – Dio 1-8: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Opći zahtjevi, ispitivanja i smjernice za alarmne sustave u medicinskim električnim uređajima i opremi (EN 60601-1-8:2007/AC:2010)  
Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems (EN 60601-1-8:2007/AC:2010)
- HRN EN 60601-2-28:2011 en pr  
Medicinski električni uređaji – Dio 2-28: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke sklopova medicinskih dijagnostičkih rendgenskih cijevi (IEC 60601-2-28: 2010; EN 60601-2-28:2010)  
Medical electrical equipment – Part 2-28: Particular requirements for the basic safety and essential performance of X-ray tube assemblies for medical diagnosis (IEC 60601-2-28: 2010; EN 60601-2-28:2010)
- HRN EN 60601-2-33:2011 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 (IEC 60601-2-33: 2010; EN 60601-2-33:2010)  
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33: 2010; EN 60601-2-33:2010)
- HRN EN 60601-2-43:2011 en pr  
Medicinski električni uređaji – Dio 2-43: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke rendgenskih uređaja za intervencijske zahvate (IEC 60601-2-43: 2010; EN 60601-2-43:2010)  
Medical electrical equipment – Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures (IEC 60601-2-43: 2010; EN 60601-2-43:2010)
- HRN EN 60613:2011 en pr  
Električne i opteretne značajke sklopova medicinskih dijagnostičkih rendgenskih cijevi (IEC 60613: 2010; EN 60613:2010)  
Electrical and loading characteristics of X-ray tube assemblies for medical diagnosis (IEC 60613: 2010; EN 60613:2010)
- HRN EN 62304:2008/Ispr.1:2011 en pr  
Programske podrške medicinskih uređaja – Održavanje programske podrške za vrijeme životnog vijeka (EN 62304:2006/AC:2008)  
Medical device software – Software life-cycle processes (EN 62304:2006/AC:2008)
- HRN EN 62563-1:2011 en pr  
Medicinski električni uređaji – Sustavi za predočivanje medicinskih slika – 1. dio: Postupci vrednovanja (IEC 62563-1:2009; EN 62563-1:2010)  
Medical electrical equipment – Medical image display systems – Part 1: Evaluation methods (IEC 62563-1:2009; EN 62563-1:2010)
- HRN EN 80601-2-30:2011 en pr  
Medicinski električni uređaji – Dio 2-30: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke automatiziranih neinvazivnih sfigno-manometara (IEC 80601-2-30:2009+Corr.1:2010; EN 80601-2-30:2010)  
Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers (IEC 80601-2-30:2009+Corr.1:2010; EN 80601-2-30:2010)
- HRN EN 80601-2-59:2011 en pr  
Medicinska električna oprema – Dio 2-59: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke (IEC 80601-2-59:2008+Corr.1:2009; EN 80601-2-59:2009)  
Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening (IEC 80601-2-59:2008+Corr.1:2009; EN 80601-2-59:2009)

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

- HRN HD 60364-4-43:2011 hr pp  
Niskonaponske električne instalacije – Dio 4-43: Sigurnosna zaštita – Nadstrujna zaštita (IEC 60364-4-43:2008, MOD+Corr.1:2008; HD 60364-4-43:2010)  
Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent (IEC 60364-4-43:2008, MOD+Corr.1:2008; HD 60364-4-43:2010)
- HRN HD 60364-4-444:2011 en pr  
Niskonaponske električne instalacije – Dio 4-444: Sigurnosna zaštita – Zaštita od naponskih i elektromagnetskih poremećaja (IEC 60364-4-444:2007(CLAUSE 444), MOD; HD 60364-4-444:2010)  
Low-voltage electrical installations – Part 4-444: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances (IEC 60364-4-444:2007(CLAUSE 444), MOD; HD 60364-4-444:2010)

- HRN HD 60364-5-551:2011 hr pp  
Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradnja električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551); HD 60364-5-551:2010)  
Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551); HD 60364-5-551:2010)
- HRN HD 60364-5-56:2011 hr pp  
Niskonaponske električne instalacije – Dio 5-56: Odabir i ugradnja električne opreme – Instalacije za sigurnosne svrhe (IEC 60364-5-56:2009; HD 60364-5-56:2010)  
Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services (IEC 60364-5-56:2009; HD 60364-5-56:2010)
- HRN HD 60364-7-702:2011 en pr  
Niskonaponske električne instalacije – Dio 7-702: Zahtjevi za posebne instalacije ili prostore – Bazeni za plivanje i vodostoci (IEC 60364-7-702:2010, MOD; HD 60364-7-702:2010)  
Low-voltage electrical installations – Part 7-702: Requirements for special installations or locations – Swimming pools and fountains (IEC 60364-7-702:2010, MOD; HD 60364-7-702:2010)
- HRN HD 60364-7-717:2011 hr pp  
Niskonaponske električne instalacije – Dio 7-717: Zahtjevi za posebne instalacije i prostore – Pokretne ili prevoznice jedinice (IEC 60364-7-717:2009, MOD; HD 60364-7-717:2010)  
Low-voltage electrical installations – Part 7-717: Requirements for special installations and locations – Mobile or transportable units (IEC 60364-7-717:2009, MOD; HD 60364-7-717:2010)
- HZN/TO E65, Mjerenje, vođenje i automatizacija industrijskih procesa**
- HRN EN 50325-5:2011 en pr  
Industrijski komunikacijski podsustav utemeljen na ISO 11898 (CAN) za sučelja prema regulacijskomu uređaju – 5. dio: Komunikacija funkcionalne sigurnosti utemeljena na EN 50325-4 (EN 50325-5:2010)  
Industrial communications subsystem based on ISO 11898 (CAN) for controller-device interfaces – Part 5: Functional safety communication based on EN 50325-4 (EN 50325-5:2010)
- HRN EN 60534-2-4:2011 en pr  
Regulacijski ventili za industrijske procese – Dio 2-4: Protočni kapacitet – Značajke prirodnog toka i mogućnost prostiranja (IEC 60534-2-4:2009; EN 60534-2-4:2009)  
Industrial-process control valves – Part 2-4: Flow capacity – Inherent flow characteristics and rangeability (IEC 60534-2-4:2009; EN 60534-2-4:2009)
- HRN EN 60534-7:2011 en pr  
Regulacijski ventili za industrijske procese – 7. dio: Lista podataka regulacijskog ventila (IEC 60534-7:2010; EN 60534-7:2010)  
Industrial-process control valves – Part 7: Control valve data sheet (IEC 60534-7:2010; EN 60534-7:2010)
- HRN EN 60546-1:2011 en pr  
Regulatori s analognim signalima za upotrebu u sustavima za vođenje industrijskih procesa – 1. dio: Metode procjenjivanja djelovanja (IEC 60546-1:2010; EN 60546-1:2010)  
Controllers with analogue signals for use in industrial-process control systems – Part 1: Methods of evaluating the performance (IEC 60546-1:2010; EN 60546-1:2010)
- HRN EN 60546-2:2011 en pr  
Regulatori s analognim signalima za upotrebu u sustavima za vođenje industrijskih procesa – 2. dio: Uputa za inspekciju i rutinska ispitivanja (IEC 60546-2:2010; EN 60546-2:2010)  
Controllers with analogue signals for use in industrial-process control systems – Part 2: Guidance for inspection and routine testing (IEC 60546-2:2010; EN 60546-2:2010)
- HRN EN 60770-2:2011 en pr  
Prijenosnici za upotrebu u sustavima za vođenje industrijskih procesa – 2. dio: Metode za inspekciju i rutinska ispitivanja (IEC 60770-2:2010; EN 60770-2:2010)  
Transmitters for use in industrial-process control systems – Part 2: Methods for inspection and routine testing (IEC 60770-2:2010; EN 60770-2:2010)
- HRN EN 61158-2:2011 en pr  
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2010; EN 61158-2:2010)  
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition (IEC 61158-2:2010; EN 61158-2:2010)
- HRN EN 61207-1:2011 en pr  
Izražavanje djelovanja plinskih analizatora – 1. dio: Općenito (IEC 61207-1:2010; EN 61207-1:2010)  
Expression of performance of gas analyzers – Part 1: General (IEC 61207-1:2010; EN 61207-1:2010)
- HRN EN 61512-4:2011 en pr  
Vođenje šaržnih procesa – 4. dio: Proizvodni zapisi šaržnih procesa (IEC 61512-4:2009; EN 61512-4:2010)  
Batch control – Part 4: Batch production records (IEC 61512-4:2009; EN 61512-4:2010)
- HRN EN 61784-1:2011 en pr  
Industrijske komunikacijske mreže – Profili – 1. dio: Profili industrijske sabirnice (fieldbus) (IEC 61784-1:2010; EN 61784-1:2010)  
Industrial communication networks – Profiles – Part 1: Fieldbus profiles (IEC 61784-1:2010; EN 61784-1:2010)
- HRN EN 61784-2:2011 en pr  
Industrijske komunikacijske mreže – Profili – 2. dio: Dodatni profili industrijske sabirnice (fieldbus) za mreže u realnom vremenu temeljene na ISO/IEC 8802-3 (IEC 61784-2:2010; EN 61784-2:2010)  
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3 (IEC 61784-2:2010; EN 61784-2:2010)
- HRN EN 61784-3-1:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-1: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 1 (IEC 61784-3-1:2010; EN 61784-3-1:2010)  
Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1 (IEC 61784-3-1:2010; EN 61784-3-1:2010)
- HRN EN 61784-3-12:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-12: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 12 (IEC 61784-3-12:2010; EN 61784-3-12:2010)  
Industrial communication networks – Profiles – Part 3-12: Functional safety fieldbuses – Additional specifications for CPF 12 (IEC 61784-3-12:2010; EN 61784-3-12:2010)

- HRN EN 61784-3-13:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-13: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 13 (IEC 61784-3-13:2010; EN 61784-3-13:2010)  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2010; EN 61784-3-13:2010)
- HRN EN 61784-3-14:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-14: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 14 (IEC 61784-3-14:2010; EN 61784-3-14:2010)  
Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14 (IEC 61784-3-14:2010; EN 61784-3-14:2010)
- HRN EN 61784-3:2011 en pr  
Industrijske komunikacijske mreže – Profili – 3. dio: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Opća pravila i definicije profila (IEC 61784-3:2010; EN 61784-3:2010)  
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2010; EN 61784-3:2010)
- HRN EN 61784-3-2:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-2: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 2 (IEC 61784-3-2:2010; EN 61784-3-2:2010)  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2010; EN 61784-3-2:2010)
- HRN EN 61784-3-3:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-3: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 3 (IEC 61784-3-3:2010; EN 61784-3-3:2010)  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2010; EN 61784-3-3:2010)
- HRN EN 61784-3-6:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-6: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 6 (IEC 61784-3-6:2010; EN 61784-3-6:2010)  
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6 (IEC 61784-3-6:2010; EN 61784-3-6:2010)
- HRN EN 61784-3-8:2011 en pr  
Industrijske komunikacijske mreže – Profili – Dio 3-8: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 8 (IEC 61784-3-8:2010; EN 61784-3-8:2010)  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8 (IEC 61784-3-8:2010; EN 61784-3-8:2010)
- HRN EN 62424:2011 en pr  
Predstavljanje (Opisivanje) tehnike vođenja procesa – Zahtjevi u P&I dijagramima i izmjena podataka između P&ID alata i PCE-CAE alata (IEC 62424:2008; EN 62424:2009)  
Representation of process control engineering – Requests in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools (IEC 62424:2008; EN 62424:2009)
- HRN EN 62439-1:2011 en pr  
Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 1. dio: Opće koncepcije i metode izračuna (IEC 62439-1:2010; EN 62439-1:2010)  
Industrial communication networks – High availability automation networks – Part 1: General concepts and calculation methods (IEC 62439-1:2010; EN 62439-1:2010)
- HRN EN 62439-2:2011 en pr  
Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 2. dio: Protokol zalihosti sredstava (IEC 62439-2:2010; EN 62439-2:2010)  
Industrial communication networks – High availability automation networks – Part 2: Media Redundancy Protocol (MRP) (IEC 62439-2:2010; EN 62439-2:2010)
- HRN EN 62439-3:2011 en pr  
Industrial communication networks – High availability automation networks – Part 3: Parallel Redundancy Protocol (PRP) and High availability Seamless Redundancy (HSR) (IEC 62439-3:2010; EN 62439-3:2010)
- HRN EN 62439-4:2011 en pr  
Industrial communication networks – High availability automation networks – Part 4: Cross-network Redundancy Protocol (CRP) (IEC 62439-4:2010; EN 62439-4:2010)
- HRN EN 62439-5:2011 en pr  
Industrial communication networks – High availability automation networks – Part 5: Beacon Redundancy Protocol (BRP) (IEC 62439-5:2010; EN 62439-5:2010)
- HRN EN 62439-6:2011 en pr  
Industrial communication networks – High availability automation networks – Part 6: Distributed Redundancy Protocol (DRP) (IEC 62439-6:2010; EN 62439-6:2010)
- HRI CLC/TR 62453-41:2011 en pr  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 41. dio: Profil integracije modela objekta – Zajednički model objekta (IEC/TR 62453-41:2009; CLC/TR 62453-41:2009)  
Field device tool (FDT) interface specification – Part 41: Object model integration profile – Common object model (IEC/TR 62453-41:2009; CLC/TR 62453-41:2009)
- HRI CLC/TR 62453-61:2011 en pr  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 61. dio: Upravitelj tipa uređaja (naprave) – Vodič za izradu (vrstu) zajedničkog modela objekta (IEC/TR 62453-61:2009; CLC/TR 62453-61:2009)  
Field device tool interface (FDT) specification – Part 61: Device type manager (DTM) – Styleguide for common object model (IEC/TR 62453-61:2009; CLC/TR 62453-61:2009)
- HRI CLC/TR 62453-501:2011 en pr  
Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 501. dio: Primjena komunikacije za zajednički model objekta – IEC 61784 CPF 1 (IEC/TR 62453-501:2009; CLC/TR 62453-501:2009)  
Field device tool (FDT) interface specification – Part 501: Communication implementation for common object model – IEC 61784 CPF 1 (IEC/TR 62453-501:2009; CLC/TR 62453-501:2009)
- HRI CLC/TR 62453-502:2011 en pr  
Field device tool (FDT) interface specification – Part 502: Communication implementation for common object model – IEC 61784 CPF 2 (IEC/TR 62453-502:2009; CLC/TR 62453-502:2009)

- HRI CLC/TR 62453-503-1:2011 en pr  
Field device tool (FDT) interface specification – Part 503-1: Communication implementation for common object model – IEC 61784 CP 3/1 and CP 3/2 (IEC/TR 62453-503-1:2009; CLC/TR 62453-503-1:2009)
- HRI CLC/TR 62453-503-2:2011 en pr  
Field device tool (FDT) interface specification – Part 503-2: Communication implementation for common object model – IEC 61784 CP 3/4, CP 3/5 and CP 3/6 (IEC/TR 62453-503-2:2009; CLC/TR 62453-503-2:2009)
- HRI CLC/TR 62453-506:2011 en pr  
Field device tool (FDT) interface specification – Part 506: Communication implementation for common object model – IEC 61784 CPF 6 (IEC/TR 62453-506:2009; CLC/TR 62453-506:2009)
- HRI CLC/TR 62453-509:2011 en pr  
Field device tool (FDT) interface specification – Part 509: Communication implementation for common object model – IEC 61784 CPF 9 (IEC/TR 62453-509:2009; CLC/TR 62453-509:2009)
- HRI CLC/TR 62453-515:2011 en pr  
Field device tool (FDT) interface specification – Part 515: Communication implementation for common object model – IEC 61784 CPF 15 (IEC/TR 62453-515:2009; CLC/TR 62453-515:2009)
- HRI CLC/TR 62541-1:2011 en pr  
OPC objedinjena arhitektura – 1. dio: Pregled i koncepcije (IEC/TR 62541-1:2010; CLC/TR 62541-1:2010)  
OPC unified architecture – Part 1: Overview and concepts (IEC/TR 62541-1:2010; CLC/TR 62541-1:2010)
- HRI CLC/TR 62541-2:2011 en pr  
OPC objedinjena arhitektura – 2. dio: Sigurnosni model (IEC/TR 62541-2:2010; CLC/TR 62541-2:2010)  
OPC unified architecture – Part 2: Security model (IEC/TR 62541-2:2010; CLC/TR 62541-2:2010)
- HRN EN 62541-3:2011 en pr  
OPC unified architecture – Part 3: Address Space Model (IEC 62541-3:2010; EN 62541-3:2010)
- HRN EN 62591:2011 en pr  
Industrijske komunikacijske mreže – Bežična komunikacijska mreža i komunikacijski profili – WirelessHART™ (IEC 62591:2010; EN 62591:2010)  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™ (IEC 62591:2010; EN 62591:2010)

## **HZNTO E72, Naprave za automatsko upravljanje u kućanstvu**

- HRN EN 60730-2-7:2011 en pr  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-7: Posebni zahtjevi za programatore i vremenske sklopke (IEC 60730-2-7:2008, MOD; EN 60730-2-7:2010)  
Automatic electrical controls for household and similar use – Part 2-7: Particular requirements for timers and time switches (IEC 60730-2-7:2008, MOD; EN 60730-2-7:2010)
- HRN EN 60730-2-9:2011 en pr  
Električne naprave za automatsko upravljanje u kućanstvu i sličnu uporabu – Dio 2-9: Posebni zahtjevi za električne regulatore temperature (IEC 60730-2-9:2008, MOD; EN 60730-2-9:2010)  
Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls (IEC 60730-2-9:2008, MOD; EN 60730-2-9:2010)

## **HZNTO E78, Rad pod naponom**

- HRN EN 50340:2011 en pr  
Hidrauličke naprave za rezanje kabela – Uredaji koji se upotrebljavaju u električnim postrojenjima izmjeničnog nazivnog napona do 30 kV (EN 50340:2010)  
Hydraulic cable cutting devices – Devices to be used on electrical installations with nominal voltage up to AC 30 kV (EN 50340:2010)
- HRN EN 50508:2011 en pr  
Višenamjenske izolacijske motke za radove na postrojenjima visokog napona (EN 50508:2009)  
Multi-purpose insulating sticks for electrical operations on high voltage installations (EN 50508:2009)
- HRN EN 50528:2011 en pr  
Izolacijske ljestve za upotrebu na ili u blizini postrojenja niskog napona (EN 50528:2010)  
Insulating ladders for use on or near low voltage electrical installations (EN 50528:2010)
- HRN EN 60832-1:2011 en pr  
Izolacijske motke i pričvrstive naprave za rad pod naponom – 1. dio: Izolacijske motke (IEC 60832-1:2010; EN 60832-1:2010)  
Live working – Insulating sticks and attachable devices – Part 1: Insulating sticks (IEC 60832-1:2010; EN 60832-1:2010)
- HRN EN 60832-2:2011 en pr  
Izolacijske motke i pričvrstive naprave za rad pod naponom – 2. dio: Pričvrstive naprave (IEC 60832-2:2010; EN 60832-2:2010)  
Live working – Insulating sticks and attachable devices – Part 2: Attachable devices (IEC 60832-2:2010; EN 60832-2:2010)
- HRN EN 61111:2011 en pr  
Rad pod naponom – Prostirači od izolacijskog materijala za električne namjene (IEC 61111:2009; EN 61111:2009)  
Live working – Electrical insulating matting (IEC 61111:2009; EN 61111:2009)
- HRN EN 61112:2011 en pr  
Rad pod naponom – Izolacijski pokrivači za električne namjene (IEC 61112:2009; EN 61112:2009)  
Live working – Electrical insulating blankets (IEC 61112:2009; EN 61112:2009)
- HRN EN 61230:2011 en pr  
Rad pod naponom – Prijenosna oprema za uzemljivanje ili uzemljivanje i kratko spajanje (IEC 61230:2008; EN 61230:2008)  
Live working – Portable equipment for earthing or earthing and short-circuiting (IEC 61230:2008; EN 61230:2008)
- HRN EN 61243-1:2008/A1:2011 en pr  
Rad pod naponom – Indikatori napona – 1. dio: Kapacitivno dijelilo za uporabu na izmjeničnim naponima iznad 1 kV (IEC 61243-1:2003/am1:2009; EN 61243-1:2005/A1:2010)  
Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c. (IEC 61243-1:2003/am1:2009; EN 61243-1:2005/A1:2010)
- HRN EN 61243-3:2011 en pr  
Rad pod naponom – Indikatori napona – 3. dio: Niskonaponski dvopolni tip (IEC 61243-3:2009; EN 61243-3:2010)  
Live working – Voltage detectors – Part 3: Two-pole low-voltage type (IEC 61243-3:2009; EN 61243-3:2010)
- HRN EN 61477:2011 en pr  
Rad pod naponom – Minimalni zahtjevi za upotrebu alata, uređaja i opreme (IEC 61477:2009+Corr.1:2009; EN 61477:2009)  
Live working – Minimum requirements for the utilization of tools, devices and equipment (IEC 61477:2009+Corr.1:2009; EN 61477:2009)



- HRN EN 61482-1-1:2011 en pr  
Rad pod naponom – Zaštitna odjeća radnika za zaštitu od toplinskih učinaka električnog luka – Dio 1-1: Ispitne metode – Metoda 1: Određivanje razreda električnog luka (ATPV ili EBT50) vatrootpornih materijala za odjeću (IEC 61482-1-1:2009; EN 61482-1-1:2009)  
Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1: Test methods – Method 1: Determination of the arc rating (ATPV or EBT50) of flame resistant materials for clothing (IEC 61482-1-1:2009; EN 61482-1-1:2009)
- HRN EN 62192:2011 en pr  
Rad pod naponom – Izolacijska užad (IEC 62192:2009; EN 62192:2009)  
Live working – Insulating ropes (IEC 62192:2009; EN 62192:2009)

### **HZN/TO E81, Zaštita od munje**

- HRN EN 50164-1:2011 en pr  
Sastavnice sustava zaštite od munje (LPC) – 1. dio: Zahtjevi za spojne elemente (EN 50164-1:2008)  
Lightning Protection Components (LPC) – Part 1: Requirements for connection components (EN 50164-1:2008)
- HRN EN 50164-2:2011 en pr  
Sastavnice sustava zaštite od munje (LPC) – 2. dio: Zahtjevi za vodiče i uzemljivače (EN 50164-2:2008)  
Lightning Protection Components (LPC) – Part 2: Requirements for conductors and earth electrodes (EN 50164-2:2008)
- HRN EN 50164-3:2007/A1:2011 en pr  
Sastavnice sustava zaštite od munje (LPC) – 3. dio: Zahtjevi za odvojna iskrišta (EN 50164-3:2006/A1:2009)  
Lightning Protection Components (LPC) – Part 3: Requirements for isolating spark gaps (EN 50164-3:2006/A1:2009)
- HRN EN 50164-5:2011 en pr  
Sastavnice sustava zaštite od munje (LPC) – 5. dio: Zahtjevi za uzemne zdenice 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)
- HRN EN 50164-6:2011 en pr  
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)
- HRN EN 50468:2011 en pr  
Zahtjevi za podnosivost prenapona i udarnih struja munje za uređaje s telekomunikacijskim ulazima (EN 50468:2009)  
Resistibility requirements to overvoltages and overcurrents due to lightning for equipment having telecommunication ports (EN 50468:2009)

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

- HRN EN 61400-1:2008/A1:2011 en pr  
Vjetroagregati – 1. dio: Zahtjevi za projektiranje (IEC 61400-1:2005/am1:2010; EN 61400-1:2005/A1:2010)  
Wind turbines – Part 1: Design requirements (IEC 61400-1:2005/am1:2010; EN 61400-1:2005/A1:2010)
- HRN EN 61400-3:2011 en pr  
Vjetroagregati – 3. dio: Zahtjevi za projektiranje vjetroagregata izvan teritorija (offshore) (IEC 61400-3:2009; EN 61400-3:2009)  
Wind turbines – Part 3: Design requirements for offshore wind turbines (IEC 61400-3:2009; EN 61400-3:2009)

- HRN EN 61400-21:2011 en pr  
Vjetroagregati – 21. dio: Mjerenje i ocjena kvalitete električne energije vjetroagregata spojenih na mrežu (IEC 61400-21:2008; EN 61400-21:2008)  
Wind turbines – Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines (IEC 61400-21:2008; EN 61400-21:2008)
- HRN EN 61400-24:2011 en pr  
Vjetroagregati – 24. dio: Zaštita od munje (IEC 61400-24:2010; EN 61400-24:2010)  
Wind turbines – Part 24: Lightning protection (IEC 61400-24:2010; EN 61400-24:2010)

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

- HRN EN 61937-1:2011 en pr  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 1: General (IEC 61937-1:2007; EN 61937-1:2007)
- HRN EN 61937-2:2011 en pr  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 2: Burst-info (IEC 61937-2:2007; EN 61937-2:2007)
- HRN EN 61937-11:2011 en pr  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 11: MPEG-4 AAC and its extensions in LATM/LOAS (IEC 61937-11:2010; EN 61937-11:2010)

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

- HRN ETS 300 401 V1:2011 en pr  
Digital Audio Broadcasting (DAB) – DAB to mobile, portable and fixed receivers (ETS 300 401 ed.1:1995)
- HRN ETS 300 401 V2:2011 en pr  
Radio broadcasting systems – Digital Audio Broadcasting (DAB) to mobile, portable and fixed receivers (ETS 300 401 ed.2:1997)
- HRN ETS 300 404 V2:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – B-ISDN Operation And Maintenance (OAM) principles and functions (ETS 300 404 ed.2:1997)
- HRN ETS 300 405 V1:2011 en pr  
Network Aspects (NA) – Metropolitan Area Network (MAN) – Interconnection of MAN Switching Systems (MSS) based on an Asynchronous Transfer Mode (ATM) interface (ETS 300 405 ed.1:1995)
- HRN ETS 300 406 V1:2011 en pr  
Methods for Testing and Specification (MTS) – Protocol and profile conformance testing specifications – Standardization methodology (ETS 300 406 ed.1:1995)
- HRN ETS 300 407 V1:2011 en pr  
Transmission and Multiplexing (TM) – Digital Radio Relay Systems (DRRS) – Parameters for DRRS for the transmission of digital signals and analogue video signals operating around 55 GHz (ETS 300 407 ed.1:1997)
- HRN ETS 300 408 V1:2011 en pr  
Transmission and Multiplexing (TM) – Parameters for radio-relay systems for the transmission of digital signals and analogue video signals operating at around 58 GHz, which do not require co-ordinated frequency planning (ETS 300 408 ed.1:1996)
- HRN ETS 300 409 V1:2011 en pr  
Integrated Services Digital Network (ISDN) – Eurofile transfer teleservice – Service description (ETS 300 409 ed.1:1995)
- HRN ETS 300 410 V1:2011 en pr  
Integrated Services Digital Network (ISDN) – File Transfer, Access and Management (FTAM) teleservice – Service description (ETS 300 410 ed.1:1995)

- HRN ETS 300 411 V1:2011 en pr  
Transmission and Multiplexing (TM) – Performance monitoring – Information model for the Network Element (NE) view (ETS 300 411 ed.1:1995)
- HRN ETS 300 412 V1:2011 en pr  
Transmission and Multiplexing (TM) – Payload configuration – Information model for the Network Element (NE) view (ETS 300 412 ed.1:1995)
- HRN ETS 300 413 V1:2011 en pr  
Transmission and Multiplexing (TM) – Multiplex section protection – Information model for the Network Element (NE) view (ETS 300 413 ed.1:1995)
- HRN ETS 300 415 V1:2011 en pr  
Private Telecommunication Network (PTN) – Terms and definitions (ETS 300 415 ed.1:1994)
- HRN ETS 300 415 V2:2011 en pr  
Private Integrated Services Network (PISN) – Terms and definitions (ETS 300 415 ed.2:1996)
- HRN ETS 300 419 V1:2011 en pr  
Business TeleCommunications (BTC) – 2048 kbit/s digital structured leased lines (D2048S) – Connection characteristics (ETS 300 419 ed.1:1995)
- HRN ETS 300 420 V1:2011 en pr  
Business TeleCommunications (BTC) – 2048 kbit/s digital structured leased lines (D2048S) – Terminal equipment interface (ETS 300 420 ed.1:1995)
- HRN ETS 300 421 V1:2011 en pr  
Digital Video Broadcasting (DVB) – Framing structure, channel coding and modulation for 11/12 GHz satellite services (ETS 300 421 ed.1:1994)
- HRN ETS 300 423 V1:2011 en pr  
Satellite Earth Stations and Systems (SES) – Land Mobile Earth Stations (LMES) operating in the 1,5/1,6 GHz bands providing voice and/or data communications (ETS 300 423 ed.1:1995)
- HRN ETS 300 424 V1:2011 en pr  
Satellite Earth Stations and Systems (SES) – Network Control Facilities (NCF) for Land Mobile Earth Stations (LMES) operating in the 1,5/1,6 GHz bands providing voice and/or data communications (ETS 300 424 ed.1:1995)
- HRN ETS 300 425 V1:2011 en pr  
Private Telecommunication Network (PTN) – Specification, functional models and information flows – Call intrusion supplementary service (ETS 300 425 ed.1:1995)
- HRN ETS 300 426 V1:2011 en pr  
Private Telecommunication Network (PTN) – Inter-exchange signalling protocol – Call intrusion supplementary service (ETS 300 426 ed.1:1995)
- HRN ETS 300 428 V1:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – Asynchronous Transfer Mode (ATM) – Adaptation Layer (AAL) specification - type 5 (ETS 300 428 ed.1:1995)
- HRN ETS 300 429 V1:2011 en pr  
Digital Video Broadcasting (DVB) – Framing structure, channel coding and modulation for cable systems (ETS 300 429 ed.1:1994)
- HRN ETS 300 431 V1:2011 en pr  
Transmission and Multiplexing (TM) – Digital fixed point-to-point radio link equipment operating in the frequency range 24,25 GHz to 29,50 GHz (ETS 300 431 ed.1:1996)
- HRN ETS 300 435 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Data Services Profile (DSP) – Base standard including interworking to connectionless networks (service types A and B, class 1) (ETS 300 435 ed.1:1996)
- HRN ETS 300 444 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Generic Access Profile (GAP) (ETS 300 444 ed.1:1995)
- HRN ETS 300 446 V1:2011 en pr  
Radio Equipment and Systems (RES) – ElectroMagnetic Compatibility (EMC) standard for second generation Cordless Telephone (CT2) apparatus operating in the frequency band 864,1 MHz to 868,1 MHz, including public access services (ETS 300 446 ed.1:1996)
- HRN ETS 300 448 V1:2011 en pr  
Business TeleCommunications (BTC) – Ordinary quality voice bandwidth 2-wire analogue leased line (A2O) – Connection characteristics and network interface presentation (ETS 300 448 ed.1:1996)
- HRN ETS 300 449 V1:2011 en pr  
Business TeleCommunications (BTC) – Special quality voice bandwidth 2-wire analogue leased line (A2S) – Connection characteristics and network interface presentation (ETS 300 449 ed.1:1996)
- HRN ETS 300 450 V1:2011 en pr  
Business TeleCommunications (BTC) – Ordinary and Special quality voice bandwidth 2-wire analogue leased lines (A2O and A2S) – Terminal equipment interface (ETS 300 450 ed.1:1996)
- HRN ETS 300 451 V1:2011 en pr  
Business TeleCommunications (BTC) – Ordinary quality voice bandwidth 4-wire analogue leased line (A4O) – Connection characteristics and network interface presentation (ETS 300 451 ed.1:1996)
- HRN ETS 300 452 V1:2011 en pr  
Business TeleCommunications (BTC) – Special quality voice bandwidth 4-wire analogue leased line (A4S) – Connection characteristics and network interface presentation (ETS 300 452 ed.1:1996)
- HRN ETS 300 453 V1:2011 en pr  
Business TeleCommunications (BTC) – Ordinary and Special quality voice bandwidth 4-wire analogue leased lines (A4O and A4S) – Terminal equipment interface (ETS 300 453 ed.1:1996)
- HRN ETS 300 456 V1:2011 en pr  
Satellite Earth Stations and Systems (SES) – Test methods for Very Small Aperture Terminals (VSATs) operating in the 11/12/14 GHz frequency bands (ETS 300 456 ed.1:1995)
- HRN ETS 300 457 V1:2011 en pr  
Satellite Earth Stations and Systems (SES) – Test methods for Television Receive Only (TVRO) operating in the 11/12 GHz frequency bands (ETS 300 457 ed.1:1995)
- HRN ETS 300 458 V1:2011 en pr  
Integrated Services Digital Network (ISDN) – Specification of the Remote Frame Handler Interface (RFHI) (ETS 300 458 ed.1:1995)
- HRN ETS 300 459 V1:2011 en pr  
Satellite Earth Stations and Systems (SES) – Network Control Facilities (NCF) for Maritime Mobile Earth Stations (MMES) operating in the 1,5/1,6 GHz and 11/12/14 GHz bands providing Low Bit Rate Data Communications (LBRDC) (ETS 300 459 ed.1:1996)
- HRN ETS 300 463 V1:2011 en pr  
Transmission and Multiplexing (TM) – Requirements of passive Optical Access Networks (OANs) to provide services up to 2 Mbit/s bearer capacity (ETS 300 463 ed.1:1996)
- HRN ETS 300 466 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Global System for Mobile communications (GSM) – DECT/GSM Interworking Profile (IWP) – General description of service requirements – Functional capabilities and information flows (ETS 300 466 ed.1:1996)

- HRN ETS 300 467 V1:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – Support of Frame Relay Bearer Service (FRBS) in B-ISDN and frame relay interworking between B-ISDN and other networks (ETS 300 467 ed.1:1998)
- HRN ETS 300 468 V1:2011 en pr  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (ETS 300 468 ed.1:1995)
- HRN ETS 300 468 V2:2011 en pr  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems (ETS 300 468 ed.2:1997)
- HRN ETS 300 469 V1:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – Asynchronous Transfer Mode (ATM) – Management of the network element view [ITU-T Recommendation I.751 (1996)] (ETS 300 469 ed.1:1998)
- HRN ETS 300 471 V1:2011 en pr  
Radio Equipment and Systems (RES) – Land mobile service – Access protocol, occupation rules and corresponding technical characteristics of radio equipment for the transmission of data on shared channels (ETS 300 471 ed.1:1995)
- HRN ETS 300 472 V1:2011 en pr  
Digital Video Broadcasting (DVB) – Specification for conveying ITU-R System B Teletext in DVB bitstreams (ETS 300 472 ed.1:1994)
- HRN ETS 300 472 V2:2011 en pr  
Digital Video Broadcasting (DVB) – Specification for conveying ITU-R System B Teletext in DVB bitstreams (ETS 300 472 ed.2:1996)
- HRN ETS 300 473 V1:2011 en pr  
Digital Video Broadcasting (DVB) – DVB Satellite Master Antenna Television (SMATV) distribution systems (ETS 300 473 ed.1:1994)
- HRN ETS 300 477 V1:2011 en pr  
Universal Personal Telecommunication (UPT) – UPT phase 2 – Functional specification of the interface of a UPT Integrated Circuit Card (ICC) and Card Accepting Devices (CADs) – UPT card accepting Dual Tone Multiple Frequency (DTMF) device (ETS 300 477 ed.1:1996)
- HRN ETS 300 481 V1:2011 en pr  
Terminal Equipment (TE) – Integrated Services Digital Network (ISDN) – B-Channel Aggregation Unit (CAU) – Procedures and terminal requirements (ETS 300 481 ed.1:1996)
- HRN ETS 300 482 V1:2011 en pr  
Integrated Services Digital Network (ISDN) – ISDN - Global System for Mobile communications (GSM) Public Land Mobile Network (PLMN) signalling interface – Test specification (ETS 300 482 ed.1:1996)
- HRN ETS 300 483 V1:2011 en pr  
Terminal Equipment (TE) – Integrated Services Digital Network (ISDN) – Multipoint communications for audiovisual services – Main functionalities and basic requirements for Multipoint Control Units (MCUs) (ETS 300 483 ed.1:1996)
- HRN ETS 300 484 V1:2011 en pr  
Transmission and Multiplexing (TM) – Synchronous Digital Hierarchy (SDH) network information model – Connection supervision function (Higher order Connection Supervision/Lower order Connection Supervision (HCS/LCS)) for the Network Element (NE) view (ETS 300 484 ed.1:1996)
- HRN ETS 300 485 V1:2011 en pr  
Integrated Services Digital Network (ISDN) – Definition and usage of cause and location in Digital Subscriber Signalling System No. one (DSS1) and Signalling System No.7 ISDN User Part (ISUP) [ITU-T Recommendation Q.850 (1993), modified] (ETS 300 485 ed.1:1996)
- HRN ETS 300 488 V1:2011 en pr  
Terminal Equipment (TE) – Telephony for hearing impaired people – Characteristics of telephone sets that provide additional receiving amplification for the benefit of the hearing impaired (ETS 300 488 ed.1:1996)
- HRN ETS 300 492 V1:2011 en pr  
Public Switched Telephone Network (PSTN) – Category II specification for 14400, 12000, 9600, 7200 and 4800 bits per second duplex modems standardized for use on the PSTN (ETS 300 492 ed.1:1996)
- HRN ETS 300 493 V1:2011 en pr  
Transmission and Multiplexing (TM) – Synchronous Digital Hierarchy (SDH) information model of the Sub Network Connection Protection (SNCP) for the Network Element (NE) view (ETS 300 493 ed.1:1996)
- HRN ETS 300 495 V1:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – Signalling System No.7 – Interworking between Broadband ISDN User Part (B-ISUP) and Digital Subscriber Signalling System No. two (DSS2) [ITU-T Recommendation Q.2650 (1995), modified] (ETS 300 495 ed.1:1997)
- HRN ETS 300 496 V1:2011 en pr  
Broadband Integrated Services Digital Network (B-ISDN) – Signalling System No.7 – Interworking between Broadband ISDN User Part (B-ISUP) and narrowband ISDN User Part (ISUP) [ITU-T Recommendation Q.2660 (1995), modified] (ETS 300 496 ed.1:1997)
- HRN ETS 300 499 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Global System for Mobile communications (GSM) – DECT/GSM Interworking Profile (IWP) – Mobile services Switching Centre (MSC) – Fixed Part (FP) interconnection (ETS 300 499 ed.1:1996)
- HRN ETS 300 500 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01) (ETS 300 500 ed.1:1994+A1:1995)
- HRN ETS 300 500 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.01) (ETS 300 500 ed.2:1996)
- HRN ETS 300 501 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.02) (ETS 300 501 ed.1:1994)
- HRN ETS 300 502 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Teleservices supported by a GSM Public Land Mobile Network (PLMN) (GSM 02.03) (ETS 300 502 ed.1:1994)
- HRN ETS 300 503 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – General on supplementary services (GSM 02.04) (ETS 300 503 ed.1:1994+A1:1995)
- HRN ETS 300 503 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – General on supplementary services (GSM 02.04) (ETS 300 503 ed.2:1996)

- HRN ETS 300 503 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – General on supplementary services (GSM 02.04) (ETS 300 503 ed.3:1996)
- HRN ETS 300 504 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Types of Mobile Stations (MS) (GSM 02.06) (ETS 300 504 ed.1:1994)
- HRN ETS 300 504 V2:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Types of Mobile Stations (MS) (GSM 02.06) (ETS 300 504 ed.2:1995)
- HRN ETS 300 504 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Types of Mobile Stations (MS) (GSM 02.06) (ETS 300 504 ed.3:1996)
- HRN ETS 300 504 V4:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Types of Mobile Stations (MS) (GSM 02.06 version 4.5.2) (ETS 300 504 ed.4:1998)
- HRN ETS 300 505 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Mobile Station (MS) features (GSM 02.07) (ETS 300 505 ed.1:1994)
- HRN ETS 300 505 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Mobile Station (MS) features (GSM 02.07) (ETS 300 505 ed.2:1996)
- HRN ETS 300 505 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Mobile Station (MS) features (GSM 02.07 version 4.8.2) (ETS 300 505 ed.3:1998)
- HRN ETS 300 506 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Security aspects (GSM 02.09) (ETS 300 506 ed.1:1994+A1:1995)
- HRN ETS 300 506 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Security aspects (GSM 02.09 version 4.4.1) (ETS 300 506 ed.2:1998)
- HRN ETS 300 506 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Security aspects (GSM 02.09 version 4.5.1) (ETS 300 506 ed.3:2000)
- HRN ETS 300 507 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Service accessibility (GSM 02.11) (ETS 300 507 ed.1:1994)
- HRN ETS 300 507 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Service accessibility (GSM 02.11) (ETS 300 507 ed.2:1996)
- HRN ETS 300 507 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Service accessibility (GSM 02.11) (ETS 300 507 ed.3:1996)
- HRN ETS 300 507 V4:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Service accessibility (GSM 02.11) (ETS 300 507 ed.4:1996)
- HRN ETS 300 508 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – International Mobile station Equipment Identities (IMEI) (GSM 02.16) (ETS 300 508 ed.1:1994+A1:1995)
- HRN ETS 300 508 V2:2011 en pr  
European digital cellular telecommunications system (Phase 2) – International Mobile station Equipment Identities (IMEI) (GSM 02.16) (ETS 300 508 ed.2:1995)
- HRN ETS 300 508 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – International Mobile station Equipment Identities (IMEI) (GSM 02.16 version 4.6.1) (ETS 300 508 ed.3:2000)
- HRN ETS 300 508 V4:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – International Mobile station Equipment Identities (IMEI) (GSM 02.16 version 4.7.1) (ETS 300 508 ed.4:2000)
- HRN ETS 300 509 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Subscriber Identity Module (SIM) – Functional characteristics (GSM 02.17) (ETS 300 509 ed.1:1994)
- HRN ETS 300 510 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Description of Charge Advice Information (CAI) (GSM 02.24) (ETS 300 510 ed.1:1994)
- HRN ETS 300 510 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Description of Charge Advice Information (CAI) (GSM 02.24) (ETS 300 510 ed.2:1996)
- HRN ETS 300 511 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30) (ETS 300 511 ed.1:1994+A1:1995)
- HRN ETS 300 511 V2:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Man-Machine Interface (MMI) of the Mobile Station (MS) (GSM 02.30) (ETS 300 511 ed.2:1995)
- HRN ETS 300 512 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Procedures for call progress indications (GSM 02.40) (ETS 300 512 ed.1:1994)
- HRN ETS 300 512 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Procedures for call progress indications (GSM 02.40) (ETS 300 512 ed.2:1996)
- HRN ETS 300 513 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Operator determined barring (GSM 02.41) (ETS 300 513 ed.1:1994)
- HRN ETS 300 514 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Line identification supplementary services – Stage 1 (GSM 02.81) (ETS 300 514 ed.1:1994+A1:1995)
- HRN ETS 300 514 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Line identification supplementary services – Stage 1 (GSM 02.81) (ETS 300 514 ed.2:1996)
- HRN ETS 300 514 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Line identification supplementary services – Stage 1 (GSM 02.81 version 4.6.1) (ETS 300 514 ed.3:1998)
- HRN ETS 300 515 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Call Forwarding (CF) supplementary services – Stage 1 (GSM 02.82) (ETS 300 515 ed.1:1994)
- HRN ETS 300 515 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Call Forwarding (CF) supplementary services – Stage 1 (GSM 02.82) (ETS 300 515 ed.2:1996)
- HRN ETS 300 516 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 1 (GSM 02.83) (ETS 300 516 ed.1:1994)

- HRN ETS 300 516 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Call Waiting (CW) and Call Hold (HOLD) supplementary services – Stage 1 (GSM 02.83) (ETS 300 516 ed.2:1996)
- HRN ETS 300 517 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Multi Party (MPTY) supplementary services – Stage 1 (GSM 02.84) (ETS 300 517 ed.1:1994)
- HRN ETS 300 517 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Multi Party (MPTY) supplementary services – Stage 1 (GSM 02.84) (ETS 300 517 ed.2:1996)
- HRN ETS 300 518 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Closed User Group (CUG) supplementary services – Stage 1 (GSM 02.85) (ETS 300 518 ed.1:1994)
- HRN ETS 300 518 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Closed User Group (CUG) supplementary services – Stage 1 (GSM 02.85) (ETS 300 518 ed.2:1996)
- HRN ETS 300 519 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Advice of Charge (AoC) supplementary services – Stage 1 (GSM 02.86) (ETS 300 519 ed.1:1994)
- HRN ETS 300 519 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Advice of Charge (AoC) supplementary services – Stage 1 (GSM 02.86) (ETS 300 519 ed.2:1996)
- HRN ETS 300 520 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Call Barring (CB) supplementary services – Stage 1 (GSM 02.88) (ETS 300 520 ed.1:1994)
- HRN ETS 300 520 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Call Barring (CB) supplementary services – Stage 1 (GSM 02.88) (ETS 300 520 ed.2:1996)
- HRN ETS 300 521 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Network functions (GSM 03.01) (ETS 300 521 ed.1:1994)
- HRN ETS 300 522 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Network architecture (GSM 03.02) (ETS 300 522 ed.1:1994)
- HRN ETS 300 522 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Network architecture (GSM 03.02) (ETS 300 522 ed.2:1996)
- HRN ETS 300 522 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Network architecture (GSM 03.02) (ETS 300 522 ed.3:1996)
- HRN ETS 300 523 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Numbering, addressing and identification (GSM 03.03) (ETS 300 523 ed.1:1994)
- HRN ETS 300 523 V2:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Numbering, addressing and identification (GSM 03.03) (ETS 300 523 ed.2:1995)
- HRN ETS 300 524 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Signalling requirements relating to routing of calls to mobile subscribers (GSM 03.04) (ETS 300 524 ed.1:1994)
- HRN ETS 300 525 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Restoration procedures (GSM 03.07) (ETS 300 525 ed.1:1994)
- HRN ETS 300 526 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Organization of subscriber data (GSM 03.08) (ETS 300 526 ed.1:1994)
- HRN ETS 300 526 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Organization of subscriber data (GSM 03.08) (ETS 300 526 ed.2:1996)
- HRN ETS 300 527 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Handover procedures (GSM 03.09) (ETS 300 527 ed.1:1995)
- HRN ETS 300 527 V2:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Handover procedures (GSM 03.09) (ETS 300 527 ed.2:1996)
- HRN ETS 300 528 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – GSM Public Land Mobile Network (PLMN) connection types (GSM 03.10) (ETS 300 528 ed.1:1994)
- HRN ETS 300 529 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Technical realization of supplementary services (GSM 03.11) (ETS 300 529 ed.1:1994)
- HRN ETS 300 529 V2:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Technical realization of supplementary services (GSM 03.11) (ETS 300 529 ed.2:1995)
- HRN ETS 300 529 V3:2011 en pr  
Digital cellular telecommunications system (Phase 2) (GSM) – Technical realization of supplementary services (GSM 03.11) (ETS 300 529 ed.3:1996)
- HRN ETS 300 530 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Location registration procedures (GSM 03.12) (ETS 300 530 ed.1:1994)
- HRN ETS 300 531 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Discontinuous Reception (DRX) in the GSM system (GSM 03.13) (ETS 300 531 ed.1:1994)
- HRN ETS 300 532 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Support of Dual Tone Multi-Frequency signalling (DTMF) via the GSM system (GSM 03.14) (ETS 300 532 ed.1:1994)
- HRN ETS 300 533 V1:2011 en pr  
European digital cellular telecommunications system (Phase 2) – Technical realization of operator determined barring (GSM 03.15) (ETS 300 533 ed.1:1994)
- HRN ETS 300 534 V1:2011 en pr  
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Transmission and Multiplexing (TM) – Generic requirements of transport functionality of equipment – Part 1-2: General information about Implementation Conformance Statement (ICS) proforma (ETS 300 417-1-2 ed.1:1996)
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HRN ETS 300 497-2 V2:2011 en pr  
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HRN ETS 300 497-3 V1:2011 en pr  
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HRN ETS 300 497-4 V1:2011 en pr  
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HRN ETS 300 497-4 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 4: Test Suite Structure (TSS) and Test Purposes (TP) – Data Link Control (DLC) layer (ETS 300 497-4 ed.2:1998)

HRN ETS 300 497-5 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 5: Abstract Test Suite (ATS) – Data Link Control (DLC) layer (ETS 300 497-5 ed.1:1996)

HRN ETS 300 497-5 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 5: Abstract Test Suite (ATS) – Data Link Control (DLC) layer (ETS 300 497-5 ed.2:1998)

HRN ETS 300 497-6 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 6: Test Suite Structure (TSS) and Test Purposes (TP) – Network (NWK) layer – Portable radio Termination (PT) (ETS 300 497-6 ed.1:1996)

HRN ETS 300 497-6 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 6: Test Suite Structure (TSS) and Test Purposes (TP) – Network (NWK) layer – Portable radio Termination (PT) (ETS 300 497-6 ed.2:1998)

HRN ETS 300 497-7 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 7: Abstract Test Suite (ATS) for Network (NWK) layer – Portable radio Termination (PT) (ETS 300 497-7 ed.1:1996)

HRN ETS 300 497-7 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 7: Abstract Test Suite (ATS) for Network (NWK) layer – Portable radio Termination (PT) (ETS 300 497-7 ed.2:1998)

HRN ETS 300 497-8 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 8: Test Suite Structure (TSS) and Test Purposes (TP) – Network (NWK) layer – Fixed radio Termination (FT) (ETS 300 497-8 ed.1:1996)

HRN ETS 300 497-8 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 8: Test Suite Structure (TSS) and Test Purposes (TP) – Network (NWK) layer – Fixed radio Termination (FT) (ETS 300 497-8 ed.2:1998)

HRN ETS 300 497-9 V1:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 9: Abstract Test Suite (ATS) for Network (NWK) layer – Fixed radio Termination (FT) (ETS 300 497-9 ed.1:1996)

HRN ETS 300 497-9 V2:2011 en pr  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Test Case Library (TCL) – Part 9: Abstract Test Suite (ATS) for Network (NWK) layer – Fixed radio Termination (FT) (ETS 300 497-9 ed.2:1998)

HRN ETS 300 498-1 V1:2011 en pr  
Open Document Architecture (ODA) – ODA communication services – Part 1: Basic services (ETS 300 498-1 ed.1:1996)

HRN ETS 300 498-2 V1:2011 en pr  
Open Document Architecture (ODA) – ODA communication services – Part 2: Joint synchronous editing, joint document presentation/viewing (ETS 300 498-2 ed.1:1998)

### **HZNTU A1, *Usluge, proizvodi za kućanstvo i slobodno vrijeme 1***

HRN EN 131-2:2011 en pr  
Ladders – Part 2: Requirements, testing, marking (EN 131-2:2010)

### **HZNTU N1, *Nemetalni materijali 1***

HRN EN 14961-5:2011 en pr  
Solid biofuels – Fuel specifications and classes – Part 5: Firewood for non-industrial use (EN 14961-5:2011)

HRN EN 15104:2011 en pr  
Solid biofuels – Determination of total content of carbon, hydrogen and nitrogen – Instrumental methods (EN 15104:2011)

HRN EN 15105:2011 en pr  
Solid biofuels – Determination of the water soluble chloride, sodium and potassium content (EN 15105:2011)

HRN EN 15234-1:2011 en pr  
Solid biofuels – Fuel quality assurance – Part 1: General requirements (EN 15234-1:2011)

HRN EN 15289:2011 en pr  
Solid biofuels – Determination of total content of sulfur and chlorine (EN 15289:2011)

HRN EN 15290:2011 en pr  
Solid biofuels – Determination of major elements – Al, Ca, Fe, Mg, P, K, Si, Na and Ti (EN 15290:2011)

HRN EN 15296:2011 en pr  
Solid biofuels – Conversion of analytical results from one basis to another (EN 15296:2011)

HRN EN 15297:2011 en pr  
Solid biofuels – Determination of minor elements – As, Cd, Co, Cr, Cu, Hg, Mn, Mo, Ni, Pb, Sb, V and Zn (EN 15297:2011)

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

HRN EN ISO 5840:2011 en pr  
Cardiovascular implants – Cardiac valve prostheses (ISO 5840:2005; EN ISO 5840:2009)

HRN EN ISO 7197:2011 en pr  
Neurosurgical implants – Sterile, single-use hydrocephalus shunts and components (ISO 7197:2006+Cor 1:2007; EN ISO 7197:2009)

- HRN EN ISO 7439:2011 en pr  
Copper-bearing intra-uterine contraceptive devices – Requirements, tests (ISO 7439:2002; EN ISO 7439:2009)
- HRN EN ISO 9713:2011 en pr  
Neurosurgical implants – Self-closing intracranial aneurysm clips (ISO 9713:2002; EN ISO 9713:2009)
- HRN EN ISO 10555-1:2011 en pr  
Sterile, single-use intravascular catheters – Part 1: General requirements (ISO 10555-1:1995+Amd 1:1999+Amd 2:2004; EN ISO 10555-1:2009)
- HRN EN 12006-2:2011 en pr  
Non active surgical implants – Particular requirements for cardiac and vascular implants – Part 2: Vascular prostheses including cardiac valve conduits (EN 12006-2:1998+A1:2009)
- HRN EN 12183:2011 en pr  
Manual wheelchairs – Requirements and test methods (EN 12183:2009)
- HRN EN 12184:2011 en pr  
Electrically powered wheelchairs, scooters and their chargers – Requirements and test methods (EN 12184:2009)
- HRN EN 13867:2011 en pr  
Concentrates for haemodialysis and related therapies (EN 13867:2002+A1:2009)
- HRN EN ISO 14607:2011 en pr  
Non-active surgical implants – Mammary implants – Particular requirements (ISO 14607:2007; EN ISO 14607:2009)
- HRN EN ISO 14630:2011 en pr  
Non-active surgical implants – General requirements (ISO 14630:2008; EN ISO 14630:2009)
- HRN EN ISO 21534:2011 en pr  
Non-active surgical implants – Joint replacement implants – Particular requirements (ISO 21534:2007; EN ISO 21534:2009)
- HRN EN ISO 21535:2011 en pr  
Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants (ISO 21535:2007; EN ISO 21535:2009)
- HRN EN ISO 21536:2011 en pr  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants (ISO 21536:2007; EN ISO 21536:2009)
- HRN EN ISO 25539-1:2011 en pr  
Cardiovascular implants – Endovascular devices – Part 1: Endovascular prostheses (ISO 25539-1:2003+Amd 1:2005; EN ISO 25539-1:2009+AC:2011)
- HRN EN ISO 25539-2:2011 en pr  
Cardiovascular implants – Endovascular devices – Part 2: Vascular stents (ISO 25539-2:2008; EN ISO 25539-2:2009+AC:2011)
- HRN EN 2997-009:2011 en pr  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 009: Protective cover for receptacle – Product standard (EN 2997-009:2010)
- HRN EN 2997-010:2011 en pr  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 010: Protective cover for plug – Product standard (EN 2997-010:2010)
- HRN EN 2997-011:2011 en pr  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 011: Dummy receptacle – Product standard (EN 2997-011:2010)
- HRN EN 2997-016:2011 en pr  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures –65 °C to 175°C continuous, 200°C continuous, 260°C peak – Part 016: Plug with integrated accessory – Product standard (EN 2997-016:2010)
- HRN EN 3155-026:2011 en pr  
Aerospace series – Electrical contacts used in elements of connection – Part 026: Contacts, electrical, male, type A, crimp, class R – Product standard (EN 3155-026:2010)
- HRN EN 3197:2011 en pr  
Aerospace series – Design and installation of aircraft electrical and optical interconnection systems (EN 3197:2010)
- HRN EN 3238:2011 en pr  
Aerospace series – Metallic materials – Test method – Shear test for wires and rivets (EN 3238:2010)
- HRN EN 3264:2011 en pr  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Thrust wire nuts (EN 3264:2010)
- HRN EN 3274:2011 en pr  
Aerospace series – Pipe coupling 8°30' – Thread end – Geometric configuration (EN 3274:2010)
- HRN EN 3459:2011 en pr  
Aerospace series – Titanium alloy Ti-P63001 (Ti-4Al-4Mo-2Sn) – Solution treated and aged – Plate – 6 mm < a = 50 mm (EN 3459:2010)
- HRN EN 3475-100:2011 en pr  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General (EN 3475-100:2010)
- HRN EN 3475-307:2011 en pr  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 307: Corona extinction voltage (EN 3475-307:2010)
- HRN EN 3475-604:2011 en pr  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 604: Resistance to dry arc propagation (EN 3475-604:2010)
- HRN EN 3475-605:2011 en pr  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 605: Wet short circuit test (EN 3475-605:2010)
- HRN EN 3660-006:2011 en pr  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 006: Cable outlet, self-locking, style C, straight, shielded (cone grounding), unsealed with clamp strain relief – Product standard (EN 3660-006:2010)

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

- HRN EN 2283:2011 en pr  
Aerospace series – Testing of aircraft wiring (EN 2283:2010)
- HRN EN 2434-001:2011 en pr  
Aerospace series – Paints and varnishes – Two component cold curing polyurethane finish – Part 001: Basic requirements (EN 2434-001:2010)

- HRN EN 3660-007:2011 en pr  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 007: Cable outlet, self-locking, style C, 90°, shielded (cone grounding), unsealed with clamp strain relief – Product standard (EN 3660-007:2010)
- HRN EN 3660-008:2011 en pr  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 008: Cable outlet, self-locking, style C, 45°, shielded (cone grounding), unsealed with clamp strain relief – Product standard (EN 3660-008:2010)
- HRN EN 3660-010:2011 en pr  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 010: Cable outlet, style K, straight, shielded, sealed, for heat shrinkable boot – Product standard (EN 3660-010:2010)
- HRN EN 3660-011:2011 en pr  
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 011: Cable outlet, style K, 90°, shielded, sealed, for heat shrinkable boot – Product standard (EN 3660-011:2010)
- HRN EN 3719:2011 en pr  
Aerospace series – Aluminium or aluminium alloy conductors for electrical cables – Product standard (EN 3719:2010)
- HRN EN 3777:2011 en pr  
Aerospace series – Pins, quick release, single and double acting – Technical specification (EN 3777:2010)
- HRN EN 3838:2011 en pr  
Aerospace series – Requirements and tests on user-applied markings on aircraft electrical cables (EN 3838:2010)
- HRN EN 3843:2011 en pr  
Aerospace series – Nuts, bihexagonal, self-locking, with counterbore, in heat resisting steel, passivated – Classification: 1100 MPa (at ambient temperature) / 650 °C (EN 3843:2010)
- HRN EN 3873:2011 en pr  
Aerospace series – Test methods for metallic materials – Determination of fatigue crack growth rates using Corner-Cracked (CC) test pieces (EN 3873:2010)
- HRN EN 3911:2011 en pr  
Aerospace series – Six lobe recess – Geometrical definition (EN 3911:2010)
- HRN EN 4023:2011 en pr  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 45° (EN 4023:2010)
- HRN EN 4025:2011 en pr  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 45°, bulkhead (EN 4025:2010)
- HRN EN 4115:2011 en pr  
Aerospace series – Cushion, rubber for clamps – Dimensions, masses (EN 4115:2010)
- HRN EN 4473:2011 en pr  
Aerospace series – Aluminium pigmented coatings for fasteners – Technical specification (EN 4473:2010)
- HRN EN 4538-003:2011 en pr  
Aerospace series – Bearings, spherical plain, in corrosion resisting steel with self-lubricating liner elevated load under low oscillations – Narrow series – Dimensions and loads – Part 003: Inch series with low friction coefficient (EN 4538-003:2010)
- HRN EN 4622:2011 en pr  
Aerospace series – Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting steel FE-PA2601 (A286), MoS<sub>2</sub> coated (EN 4622:2010)
- HRN EN 4623:2011 en pr  
Aerospace series – Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH2601 (Inconel 718), silver plated (EN 4623:2010)
- HRN EN 4624:2011 en pr  
Aerospace series – Inserts, MJ threads, self-locking, with self-broaching keys, in heat resisting nickel base alloy NI-PH1302 (Waspaloy), silver plate (EN 4624:2010)
- HRN EN 4637:2011 en pr  
Aerospace series – Blast media – White corundum (EN 4637:2010)
- HRN EN 4638:2011 en pr  
Aerospace series – Blast media – Brown corundum, without iron (EN 4638:2010)
- HRN EN 4641-103:2011 en pr  
Aerospace series – Cables, optical 125 µm diameter cladding – Part 103: Semi-loose, ruggedized simplex construction 62,5/125 µm GI fibre nominal 2,74 mm, outside diameter – Product standard (EN 4641-103:2010)
- HRN EN 4641-104:2011 en pr  
Aerospace series – Cables, optical 125 µm diameter cladding – Part 104: Semi-loose, ruggedized duplex construction 62,5/125 µm GI fibre nominal, 4,95 mm outside diameter – Product standard (EN 4641-104:2010)
- HRN EN 4650:2011 en pr  
Aerospace series – Wire and cable marking process, UV Laser (EN 4650:2010)
- HRN EN 4673-001:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 001: Installation and removal procedure (EN 4673-001:2010)
- HRN EN 4673-002:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 002: Design standard (EN 4673-002:2010)
- HRN EN 4673-003:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 003: Technical specification (EN 4673-003:2010)
- HRN EN 4673-004:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 004: In heat resisting nickel base alloy NI-P100HT (Inconel 718), silver plating (EN 4673-004:2010)
- HRN EN 4673-005:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 005: In heat resisting nickel base alloy NI-P101HT (WASPALOY), silver plating (EN 4673-005:2010)
- HRN EN 4673-006:2011 en pr  
Aerospace series – Inserts, UNJ threads, self-locking, with self-broaching keys – Part 006: In heat resisting steel FE-PA2601 (A286), MoS<sub>2</sub> coated (EN 4673-006:2010)
- HRN EN 4700-001:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 001: Plate, sheet and strip (EN 4700-001:2010)
- HRN EN 4700-002:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 002: Bar and section (EN 4700-002:2010)
- HRN EN 4700-003:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 003: Tube (EN 4700-003:2010)

- HRN EN 4700-004:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 004: Wire (EN 4700-004:2010)
- HRN EN 4700-005:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 005: Forging stock (EN 4700-005:2010)
- HRN EN 4700-006:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 006: Pre-production and production forgings (EN 4700-006:2010)
- HRN EN 4700-007:2011 en pr  
Aerospace series – Steel and heat resisting alloys – Wrought products – Technical specification – Part 007: Remelting stock (EN 4700-007:2010)
- HRN EN 4800-001:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 001: Plate, sheet and strip (EN 4800-001:2010)
- HRN EN 4800-002:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 002: Bar and section (EN 4800-002:2010)
- HRN EN 4800-003:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 003: Tube (EN 4800-003:2010)
- HRN EN 4800-004:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 004: Wire (EN 4800-004:2010)
- HRN EN 4800-005:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 005: Forging stock (EN 4800-005:2010)
- HRN EN 4800-006:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 006: Pre-production and production forgings (EN 4800-006:2010)
- HRN EN 4800-007:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 007: Remelting stock (EN 4800-007:2010)
- HRN EN 4800-008:2011 en pr  
Aerospace series – Titanium and titanium alloys – Technical specification – Part 008: Pre-production and production castings (EN 4800-008:2010)
- HRN EN 6049-002:2011 en pr  
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 002: General and list of product standards (EN 6049-002:2010)
- HRN EN 6059-501:2011 en pr  
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 501: Voltage proof test (EN 6059-501:2010)
- HRN EN 6072:2011 en pr  
Aerospace series – Metallic materials – Test methods – Constant amplitude fatigue testing (EN 6072:2010)
- HRN EN 9104-003:2011 en pr  
Aerospace series – Quality management systems – Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification (EN 9104-003:2010)
- HRN EN 9110:2011 en pr  
Quality Management Systems – Requirements for Aviation Maintenance Organizations (EN 9110:2010)
- HRN EN 9120:2011 en pr  
Quality Management Systems – Requirements for Aviation, Space and Defence Distributors (EN 9120:2010)
- HRI CEN/TR 16041:2011 en pr  
Bicycles – Replies to requests for interpretation of EN 14764 (CEN/TR 16041:2010)
- HRI CEN/TR 16042:2011 en pr  
Bicycles – Replies to requests for interpretation of EN 14765 (CEN/TR 16042:2010)
- HRI CEN/TR 16043:2011 en pr  
Bicycles – Replies to requests for interpretation of EN 14766 (CEN/TR 16043:2010)
- HRI CEN/TR 16044:2011 en pr  
Bicycles – Replies to requests for interpretation of EN 14781 (CEN/TR 16044:2010)
- HRS CEN/TS 16071:2011 en pr  
Interoperability of Flight Data Processing (Air Traffic Control - Air Traffic Control) for application under the Single European Sky – Interoperability Regulation EC 552/2004 (CEN/TS 16071:2010)

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

- HRN EN 50065-1:2003/A1:2011 en pr  
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)
- HRN EN 50377-8-10:2011 en pr  
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 8-10: Type LSH-APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category C (EN 50377-8-10:2010)
- HRN EN 50377-8-11:2011 en pr  
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 8-11: Type LSH-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category C (EN 50377-8-11:2010)
- HRN EN 50377-8-12:2011 en pr  
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 8-12: Type LSH-APC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category U (EN 50377-8-12:2010)
- HRN EN 50377-8-13:2011 en pr  
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 8-13: Type LSH-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with titanium composite ferrule for category U (EN 50377-8-13:2010)
- HRN EN 50411-2-9:2011 en pr  
Fibre organisers and closures to be used in optical fibre communications systems – Product specifications – Part 2-9: Non-sealed closures for air blown fibre microduct cable, for category S & A (EN 50411-2-9:2010)
- HRN EN 50491-2:2011 en pr  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 2: Environmental conditions (EN 50491-2:2010)

- HRN EN 50491-5-1:2011 en pr  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up (EN 50491-5-1:2010)
- HRN EN 50491-5-2:2011 en pr  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light industry environment (EN 50491-5-2:2010)
- HRN EN 50491-5-3:2011 en pr  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industry environment (EN 50491-5-3:2010)
- HRN EN 50530:2011 en pr  
Overall efficiency of grid connected photovoltaic inverters (EN 50530:2010)
- HRN EN 60122-3:2011 en pr  
Quartz crystal units of assessed quality – Part 3: Standard outlines and lead connections (IEC 60122-3:2010; EN 60122-3:2010)
- HRN EN 60191-6-18:2011 en pr  
Mechanical standardization of semiconductor devices – Part 6-18: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guide for ball grid array (BGA) (IEC 60191-6-18:2010; EN 60191-6-18:2010)
- HRN EN 60191-6-19:2011 en pr  
Mechanical standardization of semiconductor devices – Part 6-19: Measurement methods of the package warpage at elevated temperature and the maximum permissible warpage (IEC 60191-6-19:2010; EN 60191-6-19:2010)
- HRN EN 60191-6:2011 en pr  
Mechanical standardization of semiconductor devices – Part 6: General rules for the preparation of outline drawings of surface mounted semiconductor device packages (IEC 60191-6:2009; EN 60191-6:2009)
- HRN EN 60191-6-20:2011 en pr  
Mechanical standardization of semiconductor devices – Part 6-20: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Measuring methods for package dimensions of small outline J-lead packages (SOJ) (IEC 60191-6-20:2010; EN 60191-6-20:2010)
- HRN EN 60191-6-21:2011 en pr  
Mechanical standardization of semiconductor devices – Part 6-21: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Measuring methods for package dimensions of small outline packages (SOP) (IEC 60191-6-21:2010; EN 60191-6-21:2010)
- HRN EN 60297-3-106:2011 en pr  
Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-106: Adaptation dimensions for subracks and chassis applicable with metric cabinets or racks in accordance with IEC 60917-2-1 (IEC 60297-3-106:2010; EN 60297-3-106:2010)
- HRN EN 60368-3:2011 en pr  
Piezoelectric filters of assessed quality – Part 3: Standard outlines and lead connections (IEC 60368-3:2010; EN 60368-3:2010)
- HRN EN 60384-26-1:2011 en pr  
Fixed capacitors for use in electronic equipment – Part 26-1: Blank detail specification – Fixed aluminum electrolytic capacitors with conductive polymer solid electrolyte – Assessment level EZ (IEC 60384-26-1:2010; EN 60384-26-1:2010)
- HRN EN 60384-26:2011 en pr  
Fixed capacitors for use in electronic equipment – Part 26: Sectional specification – Fixed aluminium electrolytic capacitors with conductive polymer solid electrolyte (IEC 60384-26:2010; EN 60384-26:2010)
- HRN EN 60401-2:2011 en pr  
Terms and nomenclature for cores made of magnetically soft ferrites – Part 2: Reference of dimensions (IEC 60401-2:2009; EN 60401-2:2010)
- HRN EN 60444-11:2011 en pr  
Measurement of quartz crystal unit parameters – Part 11: Standard method for the determination of the load resonance frequency  $f_L$  and the effective load capacitance  $C_{Leff}$  using automatic network analyzer techniques and error correction (IEC 60444-11:2010; EN 60444-11:2010)
- HRN EN 60512-7-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 7-1: Impact tests (free connectors) – Test 7a: Free fall (repeated) (IEC 60512-7-1:2010; EN 60512-7-1:2010)
- HRN EN 60512-8-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 8-1: Static load tests (fixed connectors) – Test 8a: Static load, transverse (IEC 60512-8-1:2010; EN 60512-8-1:2010)
- HRN EN 60512-9-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 9-1: Endurance tests – Test 9a: Mechanical operation (IEC 60512-9-1:2010; EN 60512-9-1:2010)
- HRN EN 60512-9-5:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 9-5: Endurance tests – Test 9e: Current loading, cyclic (IEC 60512-9-5:2010; EN 60512-9-5:2010)
- HRN EN 60512-17-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 17-1: Cable clamping tests – Test 17a: Cable clamp robustness (IEC 60512-17-1:2010; EN 60512-17-1:2010)
- HRN EN 60512-17-3:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 17-3: Cable clamping tests – Test 17c: Cable clamp resistance to cable pull (tensile) (IEC 60512-17-3:2010; EN 60512-17-3:2010)
- HRN EN 60512-17-4:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 17-4: Cable clamping tests – Test 17d: Cable clamp resistance to cable torsion (IEC 60512-17-4:2010; EN 60512-17-4:2010)
- HRN EN 60512-19-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 19-1: Chemical resistance tests – Test 19a: Fluid resistance of pre-insulated crimp barrels (IEC 60512-19-1:2010; EN 60512-19-1:2010)
- HRN EN 60512-20-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 20-1: Fire hazard tests – Test 20a: Flammability, needle-flame (IEC 60512-20-1:2010; EN 60512-20-1:2010)
- HRN EN 60512-20-3:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 20-3: Fire hazard tests – Test 20c: Flammability, glow-wire (IEC 60512-20-3:2010; EN 60512-20-3:2010)
- HRN EN 60512-21-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 21-1: R.F. resistance tests – Test 21a: R.F. shunt resistance (IEC 60512-21-1:2010; EN 60512-21-1:2010)

- HRN EN 60512-22-1:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 22-1: Capacitance tests – Test 22a: Capacitance (IEC 60512-22-1:2010; EN 60512-22-1:2010)
- HRN EN 60512-23-2:2011 en pr  
Connectors for electronic equipment – Tests and measurements – Part 23-2: Screening and filtering tests – Test 23b: Suppression characteristics of integral filters (IEC 60512-23-2:2010; EN 60512-23-2:2010)
- HRN EN 60539-2:2008/A1:2011 en pr  
Directly heated negative temperature coefficient thermistors – Part 2: Sectional specification – Surface mount negative temperature coefficient thermistors (IEC 60539-2:2003/am1:2010; EN 60539-2:2004/A1:2010)
- HRN EN 60603-7-2:2011 en pr  
Connectors for electronic equipment – Part 7-2: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 100 MHz (IEC 60603-7-2:2010; EN 60603-7-2:2010)
- HRN EN 60603-7-3:2011 en pr  
Connectors for electronic equipment – Part 7-3: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 100 MHz (IEC 60603-7-3:2010; EN 60603-7-3:2010)
- HRN EN 60603-7-41:2011 en pr  
Connectors for electronic equipment – Part 7-41: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz (IEC 60603-7-41:2010; EN 60603-7-41:2010)
- HRN EN 60603-7-4:2011 en pr  
Connectors for electronic equipment – Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz (IEC 60603-7-4:2010; EN 60603-7-4:2010)
- HRN EN 60603-7-51:2011 en pr  
Connectors for electronic equipment – Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz (IEC 60603-7-51:2010; EN 60603-7-51:2010)
- HRN EN 60603-7-5:2011 en pr  
Connectors for electronic equipment – Part 7-5: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz (IEC 60603-7-5:2010; EN 60603-7-5:2010)
- HRN EN 60603-7-71:2011 en pr  
Connectors for electronic equipment – Part 7-71: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 1000 MHz (IEC 60603-7-71:2010; EN 60603-7-71:2010)
- HRN EN 60603-7-7:2011 en pr  
Connectors for electronic equipment – Part 7-7: Detail specification for 8-way, shielded, free and fixed connectors for data transmission with frequencies up to 600 MHz (IEC 60603-7-7:2010; EN 60603-7-7:2010)
- HRN EN 60749-15:2011 en pr  
Semiconductor devices – Mechanical and climatic test methods – Part 15: Resistance to soldering temperature for through-hole mounted devices (IEC 60749-15:2010; EN 60749-15:2010)
- HRN EN 60749-19:2008/A1:2011 en pr  
Semiconductor devices – Mechanical and climatic test methods – Part 19: Die shear strength (IEC 60749-19:2003/am1:2010; EN 60749-19:2003/A1:2010)
- HRN EN 60749-32:2008/A1:2011 en pr  
Semiconductor devices – Mechanical and climatic test methods – Part 32: Flammability of plastic-encapsulated devices (externally induced) (IEC 60749-32:2002/am1:2010; EN 60749-32:2003/A1:2010)
- HRN EN 60749-34:2011 en pr  
Semiconductor devices – Mechanical and climatic test methods – Part 34: Power cycling (IEC 60749-34:2010; EN 60749-34:2010)
- HRN EN 60793-1-31:2011 en pr  
Optical fibres – Part 1-31: Measurement methods and test procedures – Tensile strength (IEC 60793-1-31:2010; EN 60793-1-31:2010)
- HRN EN 60793-1-32:2011 en pr  
Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability (IEC 60793-1-32:2010; EN 60793-1-32:2010)
- HRN EN 60793-1-41:2011 en pr  
Optical fibres – Part 1-41: Measurement methods and test procedures – Bandwidth (IEC 60793-1-41:2010; EN 60793-1-41:2010)
- HRN EN 60794-2-20:2011 en pr  
Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical distribution cables (IEC 60794-2-20:2008; EN 60794-2-20:2010)
- HRN EN 60794-3-11:2011 en pr  
Optical fibre cables – Part 3-11: Outdoor cables – Product specification for duct, directly buried and lashed aerial single-mode optical fibre telecommunication cables (IEC 60794-3-11:2010; EN 60794-3-11:2010)
- HRN EN 60875-1:2011 en pr  
Fibre optic interconnecting devices and passive components – Non-wavelength-selective fibre optic branching devices – Part 1: Generic specification (IEC 60875-1:2010; EN 60875-1:2010)
- HRN EN 60891:2011 en pr  
Photovoltaic devices – Procedures for temperature and irradiance corrections to measured I-V characteristics (IEC 60891:2009; EN 60891:2010)
- HRN EN 60904-10:2011 en pr  
Photovoltaic devices – Part 10: Methods of linearity measurement (IEC 60904-10:2009; EN 60904-10:2010)
- HRN EN 60917-2-4:2011 en pr  
Modular order for the development of mechanical structures for electronic equipment practices – Part 2-4: Sectional specification – Interface coordination dimensions for the 25 mm equipment practice – Adaptation dimensions for subracks or chassis applicable in cabinets or racks in accordance with IEC 60297-3-100 (19 in) (IEC 60917-2-4:2010; EN 60917-2-4:2010)
- HRN EN 60939-1:2011 en pr  
Passive filter units for electromagnetic interference suppression – Part 1: Generic specification (IEC 60939-1:2010; EN 60939-1:2010)
- HRN EN 61010-1:2011 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – 1. dio: Opći zahtjevi (IEC 61010-1:2010; EN 61010-1:2010)
- HRN EN 61010-2-030:2011 en pr  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements (IEC 61010-1:2010; EN 61010-1:2010)
- HRN EN 61010-2-030:2011 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-030: Posebni zahtjevi za ispitne i mjerne krugove (IEC 61010-2-030:2010; EN 61010-2-030:2010)

- Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for testing and measuring circuits (IEC 61010-2-030:2010; EN 61010-2-030:2010)
- HRN EN 61076-2-107:2011 en pr  
Connectors for electronic equipment – Product requirements – Part 2-107: Detail specification for circular hybrid connectors M12 with electrical and fibre-optic contacts with screw locking (IEC 61076-2-107:2010; EN 61076-2-107:2010)
- HRN EN 61076-3-115:2011 en pr  
Connectors for electronic equipment – Product requirements – Part 3-115: Rectangular connectors – Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface – Variant 12 related to IEC 61076-3-106 – Push-pull type (IEC 61076-3-115:2009; EN 61076-3-115:2010)
- HRN EN 61076-3-118:2011 en pr  
Connectors for electronic equipment – Product requirements – Part 3-118: Rectangular connectors – Detail specification for a 4 pole + PE power connector with push-pull coupling (IEC 61076-3-118:2010; EN 61076-3-118:2010)
- HRN EN 61169-14:2011 en pr  
Radio-frequency connectors – Part 14: R.F. coaxial connectors with inner diameter of outer conductor 12 mm with screw coupling – Characteristic impedance 75 ohms (Type 3,5/12) (IEC 61169-14:2010; EN 61169-14:2010)
- HRN EN 61190-1-3:2009/A1:2011 en pr  
Attachment materials for electronic assembly – Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications (IEC 61190-1-3:2007/am1:2010; EN 61190-1-3:2007/A1:2010)
- HRN EN 61191-6:2011 en pr  
Printed board assemblies – Part 6: Evaluation criteria for voids in soldered joints of BGA and LGA and measurement method (IEC 61191-6:2010; EN 61191-6:2010)
- HRN EN 61249-2-41:2011 en pr  
Materials for printed boards and other interconnecting structures – Part 2-41: Reinforced base materials clad and unclad – Brominated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-41:2010; EN 61249-2-41:2010)
- HRN EN 61249-2-42:2011 en pr  
Materials for printed boards and other interconnecting structures – Part 2-42: Reinforced base materials clad and unclad – Brominated epoxide non-woven / woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-42:2010; EN 61249-2-42:2010)
- HRN EN 61280-1-3:2011 en pr  
Fibre optic communication subsystem test procedures – Part 1-3: General communication subsystems – Central wavelength and spectral width measurement (IEC 61280-1-3:2010; EN 61280-1-3:2010)
- HRN EN 61280-1-4:2011 en pr  
Fibre optic communication subsystem test procedures – Part 1-4: General communication subsystems – Light source encircled flux measurement method (IEC 61280-1-4:2009; EN 61280-1-4:2010)
- HRN EN 61280-2-1:2011 en pr  
Fibre optic communication subsystem test procedures – Part 2-1: Digital systems – Receiver sensitivity and overload measurement (IEC 61280-2-1:2010; EN 61280-2-1:2010)
- HRN EN 61300-2-21:2011 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-21: Tests – Composite temperature/humidity cyclic test (IEC 61300-2-21:2009; EN 61300-2-21:2010)
- HRN EN 61300-2-24:2011 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-24: Tests – Screen testing of ceramic alignment split sleeve by stress application (IEC 61300-2-24:2010; EN 61300-2-24:2010)
- HRN EN 61300-2-47:2011 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-47: Tests – Thermal shocks (IEC 61300-2-47:2010; EN 61300-2-47:2010)
- HRN EN 61300-2-9:2011 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-9: Tests – Shock (IEC 61300-2-9:2010; EN 61300-2-9:2010)
- HRN EN 61300-3-35:2011 en pr  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-35: Examinations and measurements – Fibre optic connector endface visual and automated inspection (IEC 61300-3-35:2009; EN 61300-3-35:2010)
- HRN EN 61747-5-3:2011 en pr  
Liquid crystal display devices – Part 5-3: Environmental, endurance and mechanical test methods – Glass strength and reliability (IEC 61747-5-3:2009, MOD; EN 61747-5-3:2010)
- HRN EN 61753-111-7:2011 en pr  
Fibre optic interconnecting devices and passive components – Performance standard – Part 111-7: Sealed closures for category A – Aerial (IEC 61753-111-7:2009; EN 61753-111-7:2010)
- HRN EN 61753-111-8:2011 en pr  
Fibre optic interconnecting devices and passive components – Performance standard – Part 111-8: Sealed closures for category G – Ground (IEC 61753-111-8:2009; EN 61753-111-8:2010)
- HRN EN 61753-111-9:2011 en pr  
Fibre optic interconnecting devices and passive components – Performance standard – Part 111-9: Sealed closures for category S – Subterranean (IEC 61753-111-9:2009; EN 61753-111-9:2010)
- HRN EN 61753-121-2:2011 en pr  
Fibre optic interconnecting devices and passive components – Performance standards – Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C – Controlled environment (IEC 61753-121-2:2010; EN 61753-121-2:2010)
- HRN EN 61753-121-3:2011 en pr  
Fibre optic interconnecting devices and passive components – Performance standard – Part 121-3: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category U – Uncontrolled environment (IEC 61753-121-3:2010; EN 61753-121-3:2010)
- HRN EN 61754-24:2011 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 24: Type SC-RJ connector family (IEC 61754-24:2009; EN 61754-24:2010)



- HRN EN 61760-3:2011 en pr  
Surface mounting technology – Part 3: Standard method for the specification of components for Through Hole Reflow (THR) soldering (IEC 61760-3:2010; EN 61760-3:2010)
- HRN EN 61935-1:2011 en pr  
Specification for the testing of balanced and coaxial information technology cabling – Part 1: Installed balanced cabling as specified in the standards series EN 50173 (IEC 61935-1:2009, MOD; EN 61935-1:2009)
- HRN EN 61935-2:2011 en pr  
Specification for the testing of balanced and coaxial information technology cabling – Part 2: Cords as specified in ISO/IEC 11801 and related standards (IEC 61935-2:2010; EN 61935-2:2010)
- HRN EN 61935-2-20:2011 en pr  
Testing of balanced communication cabling in accordance with series EN 50173 – Part 2-20: Patch cords and work area cords – Blank detail specification for class D applications (IEC 61935-2-20:2008, MOD; EN 61935-2-20:2009)
- HRN EN 61935-3:2011 en pr  
Testing of balanced and coaxial information technology cabling – Part 3: Installed cabling as specified in EN 50173-4 and related standards (IEC 61935-3:2008, MOD; EN 61935-3:2009)
- HRN EN 61977:2011 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic filters – Generic specification (IEC 61977:2010; EN 61977:2010)
- HRN EN 61978-1:2011 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic passive chromatic dispersion compensators – Part 1: Generic specification (IEC 61978-1:2009; EN 61978-1:2010)
- HRN EN 62047-4:2011 en pr  
Semiconductor devices – Micro-electromechanical devices – Part 4: Generic specification for MEMS (IEC 62047-4:2008; EN 62047-4:2010)
- HRN EN 62047-6:2011 en pr  
Semiconductor devices – Micro-electromechanical devices – Part 6: Axial fatigue testing methods of thin film materials (IEC 62047-6:2009; EN 62047-6:2010)
- HRN EN 62077:2011 en pr  
Fibre optic interconnecting devices and passive components – Fibre optic circulators – Generic specification (IEC 62077:2010; EN 62077:2010)
- HRN EN 62109-1:2011 en pr  
Safety of power converters for use in photovoltaic power systems – Part 1: General requirements (IEC 62109-1:2010; EN 62109-1:2010)
- HRN EN 62148-15:2011 en pr  
Fibre optic active components and devices – Package and interface standards – Part 15: Discrete vertical cavity surface emitting laser packages (IEC 62148-15:2009; EN 62148-15:2010)
- HRN EN 62149-4:2011 en pr  
Fibre optic active components and devices – Performance standards – Part 4: 1300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4:2010; EN 62149-4:2010)
- HRN EN 62150-4:2011 en pr  
Fibre optic active components and devices – Test and measurement procedures – Part 4: Relative intensity noise using a time-domain optical detection system (IEC 62150-4:2009; EN 62150-4:2010)
- HRN EN 62258-1:2011 en pr  
Semiconductor die products – Part 1: Procurement and use (IEC 62258-1:2009; EN 62258-1:2010)
- HRN EN 62317-2:2011 en pr  
Ferrite cores – Dimensions – Part 2: Pot-cores for use in telecommunications, power supply, and filter applications (IEC 62317-2:2010; EN 62317-2:2010)
- HRN EN 62333-3:2011 en pr  
Noise suppression sheet for digital devices and equipment – Part 3: Characterization of parameters of noise suppression sheet (IEC 62333-3:2010; EN 62333-3:2010)
- HRN EN 62343-3-1:2011 en pr  
Dynamic modules – Part 3-1: Performance specification templates – Dynamic channel equalizers (IEC 62343-3-1:2010; EN 62343-3-1:2010)
- HRN EN 62415:2011 en pr  
Semiconductor devices – Constant current electromigration test (IEC 62415:2010; EN 62415:2010)
- HRN EN 62416:2011 en pr  
Semiconductor devices – Hot carrier test on MOS transistors (IEC 62416:2010; EN 62416:2010)
- HRN EN 62417:2011 en pr  
Semiconductor devices – Mobile ion tests for metal-oxide semiconductor field effect transistors (MOSFETs) (IEC 62417:2010; EN 62417:2010)
- HRN EN 62418:2011 en pr  
Semiconductor devices – Metallization stress void test (IEC 62418:2010; EN 62418:2010)
- HRN EN 62433-2:2011 en pr  
EMC IC modelling – Part 2: Models of integrated circuits for EMI behavioural simulation – Conducted emissions modelling (ICEM-CE) (IEC 62433-2:2008; EN 62433-2:2010)
- HRN EN 62490-1:2011 en pr  
ESL measuring method – Part 1: Capacitors with lead terminal for use in electronic equipment (IEC 62490-1:2010; EN 62490-1:2010)
- HRN EN 62490-2:2011 en pr  
ESL measuring method – Part 2: Surface mount capacitors for use in electronic equipment (IEC 62490-2:2010; EN 62490-2:2010)
- HRN EN 62496-3-1:2011 en pr  
Optical circuit boards – Performance standard – Part 3-1: Flexible optical circuit boards using unconnectorized optical glass fibres (IEC 62496-3-1:2009; EN 62496-3-1:2010)
- HRN EN 62614:2011 en pr  
Fibre optics – Launch condition requirements for measuring multimode attenuation (IEC 62614:2010; EN 62614:2010)
- HRN EN 140401-802:2009/A1:2011 en pr  
Detail specification – Fixed low power film SMD resistors – Rectangular – Stability classes 1; 2 (EN 140401-802:2007/A1:2010)
- HRN EN 140401-803:2009/A1:2011 en pr  
Detail specification – Fixed low power film SMD resistors – Cylindrical – Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2 (EN 140401-803:2007/A1:2010)

## 1.2 Nacrti hrvatskih norma

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

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

## HZN/TO 146, *Kvaliteta zraka*

- nHRN ISO 4226 hr pp  
Kvaliteta zraka – Opći aspekti – Mjerne jedinice  
(ISO 4226:2007)  
Air quality – General aspects – Units of measurement  
(ISO 4226:2007)

## HZN/TO 548, *Konstruktivski eurokodovi*

- nHRN EN 1990 hr pp  
Eurokod – Osnove projektiranja konstrukcija  
(EN 1990:2002+A1:2005+A1:2005/AC:2010)  
Eurocode – Basis of structural design  
(EN 1990:2002+A1:2005+A1:2005/AC:2010)
- nHRN EN 1990/NA hr izv  
Eurokod: Osnove projektiranja konstrukcija –  
Nacionalni dodatak  
Eurocode: Basis of structural design – National  
Annex

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

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

- ISO 302:2004 en  
Pulps – Determination of Kappa number  
Pulpe – Određivanje Kappa broja
- ISO 777:2005 en  
Paper, board and pulp – Determination of acid-soluble calcium  
Papir, karton i pulpe – Određivanje kalcija topljivog u kiselini
- ISO 778:2005 en  
Paper, board and pulp – Determination of acid-soluble copper  
Papir, karton i pulpe – Određivanje bakra topljivog u kiselini
- ISO 779:2005 en  
Paper, board and pulp – Determination of acid-soluble iron  
Papir, karton i pulpe – Određivanje željeza topljivog u kiselini
- ISO 1762:2001 en  
Paper, board and pulps – Determination of residue (ash) on ignition at 525 °C  
Papir, karton i pulpe – Određivanje ostatka (pepela) žarenjem na 525 °C
- ISO 1830:2005 en  
Paper, board and pulps – Determination of acid-soluble manganese  
Papir, karton i pulpe – Određivanje mangana topljivog u kiselini
- ISO 2469:2007 en  
Paper, board and pulps – Measurement of diffuse radiance factor  
Papir, karton i pulpe – Mjerenje faktora sjajnosti difuznog svjetla
- ISO 2470-1:2009 en  
Paper, board and pulps – Measurement of diffuse blue reflectance factor – Part 1: Indoor daylight conditions (ISO brightness)  
Papir, karton i pulpa – Mjerenje faktora refleksije difuznoga plavog svjetla – 1. dio: Uvjeti pri unutrašnjem dnevnom svjetlu (ISO svjetlina)
- ISO 2471:2008 en  
Paper and board – Determination of opacity (paper backing) – Diffuse reflectance method  
Papir i karton – Određivanje neprozirnosti (podlaganjem papira) – Metoda difuzne refleksije
- ISO 3039:2010 en  
Corrugated fibreboard – Determination of grammage of the component papers after separation  
Valoviti karton – Određivanje gramature komponenata nakon razdvajanja
- ISO 3783:2006 en  
Paper and board – Determination of resistance to picking – Accelerated speed method using the IGT-type tester (electric model)  
Papir i karton – Određivanje otpora na čupanje – Metoda povećanja brzine uporabom IGT-tip uređaja (električni model)
- ISO 5350-3:2007 en  
Pulps – Estimation of dirt and shives – Part 3: Visual inspection by reflected light using Equivalent Black Area (EBA) method  
Pulpe – Procjena nečistoća i nerazvlaknjenoga dijela – 3. dio: Metoda vizualne provjere u ekvivalentnom crnom području (EBA) s reflektirajućim svjetlom
- ISO 5350-4:2006 en  
Pulps – Estimation of dirt and shives – Part 4: Instrumental inspection by reflected light using Equivalent Black Area (EBA) method  
Pulpe – Procjena nečistoća i nerazvlaknjenoga dijela – 4. dio: Metoda instrumentalne provjere u ekvivalentnom crnom području (EBA) s reflektirajućim svjetlom
- ISO 5351:2010 en  
Pulps – Determination of limiting viscosity number in cupri-ethylenediamine (CED) solution  
Pulpa – Određivanje graničnoga viskozitetnog broja u otopini bakar-etilendiamina (CED)
- ISO 5631-1:2009 en  
Paper and board – Determination of colour by diffuse reflectance – Part 1: Indoor daylight conditions (C/2 degrees)  
Papir i karton – Određivanje boje difuznom refleksijom – 1. dio: Uvjeti pri unutrašnjem dnevnom svjetlu (C/2 stupnja)
- ISO 5636-4:2005 en  
Paper and board – Determination of air permeance (medium range) – Part 4: Sheffield method  
Papir i karton – Određivanje propusnosti zraka (srednji opseg) – 4. dio: Scheffieldova metoda
- ISO 5636-5:2003 en  
Paper and board – Determination of air permeance and air resistance (medium range) – Part 5: Gurley method  
Papir i karton – Određivanje propusnosti zraka (srednji opseg) – 5. dio: Gurleyeva metoda
- ISO 6588-1:2005 en  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 1: Cold extraction  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 1. dio: Hladna ekstrakcija
- ISO 6588-2:2005 en  
Paper, board and pulps – Determination of pH of aqueous extracts – Part 2: Hot extraction  
Papir, karton i pulpe – Određivanje pH vrijednosti vodenih ekstrakta – 2. dio: Vruća ekstrakcija
- ISO 8784-1:2005 en  
Pulp, paper and board – Microbiological examination – Part 1: Total count of bacteria, yeast and mould based on disintegration  
Pulpa, papir i karton – Mikrobiološko ispitivanje – 1. dio: Ukupni broj bakterija, kvasaca i pljesni utemeljenih na raspadanju

- ISO 8791-3:2005 en  
Paper and board – Determination of roughness/smoothness (air leak methods) – Part 3: Sheffield method  
Papir i karton – Određivanje hrapavosti/glatkoće (metode propuštanja zraka) – 3. dio: Sheffieldova metoda
- ISO 8791-4:2007 en  
Paper and board – Determination of roughness/smoothness (air leak methods) – Part 4: Print-surf method  
Papir i karton – Određivanje hrapavosti/glatkoće (metode propuštanja zraka) – 4. dio: Print-surf metoda
- ISO 9197:2006 en  
Paper, board and pulps – Determination of water-soluble chlorides  
Papir, karton i pulpe – Određivanje vodotopljivih klorida
- ISO 9416:2009 en  
Paper – Determination of light scattering and absorption coefficients (using Kubelka-Munk theory)  
Papir – Određivanje rasipanja svjetlosti i koeficijenta apsorpcije (uporabom Kubelka-Munkove teorije)
- ISO 9895:2008 en  
Paper and board – Compressive strength – Short-span test  
Papir i karton – Određivanje tlačne čvrstoće – Test kratkog raspona
- ISO 11093-5:2009+Cor 1:2010 en  
Paper and board – Testing of cores – Part 5: Determination of characteristics of concentric rotation  
Papir i karton – Ispitivanje papirnih cijevi – 5. dio: Određivanje karakteristika koncentrične rotacije
- ISO 11093-6:2005 en  
Paper and board – Testing of cores – Part 6: Determination of bending strength by the three-point method  
Papir i karton – Ispitivanje papirnih cijevi – 6. dio: Određivanje čvrstoće na savijanje metodom s tri točke
- ISO 11093-9:2006 en  
Paper and board – Testing of cores – Part 9: Determination of flat crush resistance  
Papir i karton – Ispitivanje papirnih cijevi – 9. dio: Određivanje otpornosti na pritisak
- ISO 11475:2004 en  
Paper and board – Determination of CIE whiteness, D65/10 degrees (outdoor daylight)  
Papir i karton – Određivanje CIE bjeline, D65/10° (na vanjskom dnevnom svjetlu)
- ISO 11476:2010 en  
Paper and board – Determination of CIE whiteness, C/2 degrees (indoor illumination conditions)  
Papir i karton – Određivanje CIE bjeline, C/2° (u uvjetima unutrašnje osvjetljenosti)
- ISO 11556:2005 en  
Paper and board – Determination of curl using a single vertically suspended test piece  
Papir i karton – Određivanje nabranosti uporabom pojedinačnih, okomito obješenih uzoraka za ispitivanje
- ISO 13542:2006 en  
Paper and board – Specification for internal diameters of cores for reels  
Papir i karton – Specifikacija unutrašnjih promjera cijevi za namatanje

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

- prEN 54-5 rev en  
Fire detection and fire alarm systems – Part 5: Heat detectors – Point detectors

- prEN 54-7 rev en  
Fire detection and fire alarm systems – Part 7: Smoke detectors – Point detectors using scattered light, transmitted light or ionisation
- prEN 54-22 en  
Fire detection and fire alarm system – Part 22 : Resettable line type heat detectors
- prEN 54-28 en  
Fire detection and fire alarm system – Part 28: Non-resettable line type heat detectors

### **HZN/TO 25, Ljevarstvo**

- EN 10283:2010 en  
Corrosion resistant steel castings  
Čelični odljevci otporni na koroziju

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

- prEN ISO 11997-2 en  
Paints and varnishes – Determination of resistance to cyclic corrosion conditions – Part 2: Wet (salt fog)/dry/humidity/UV light (ISO/DIS 11997-2:2011)
- prEN ISO 13632 en  
Binders for paints and varnishes – Rosin – Sampling and sample preparation for colour measurement (ISO/DIS 13632:2011)
- prEN ISO 15110 en  
Paints and varnishes – Artificial weathering including acidic deposition (ISO/DIS 15110:2011)

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

- EN ISO 544:2011 en  
Welding consumables – Technical delivery conditions for filler materials and fluxes – Type of product, dimensions, tolerances and markings (ISO 544:2011)  
Dodatni i potrošni materijali za zavarivanje – Tehnički uvjeti isporuke za dodatne materijale za zavarivanje – Vrsta proizvoda, dimenzije, dopuštena odstupanja i označavanje (ISO 544:2011)
- FprEN ISO 9012 en  
Gas welding equipment – Air-aspirated hand blowpipes – Specifications and tests (ISO 9012:2008)  
Oprema za plinsko zavarivanje – Ručni plamenici s usisavanjem zraka – Specifikacije i ispitivanja (ISO 9012:2008)
- EN 13507:2010 en  
Thermal spraying – Pre-treatment of surfaces of metallic parts and components for thermal spraying  
Toplinsko naštrecavanje – Priprema površina metalnih dijelova i komponenata za toplinsko naštrecavanje
- prEN ISO 14732 en  
Welding personnel – Qualification testing of welding operators for fully mechanized welding and weld setters for fully mechanized welding and automatic welding of metallic materials (ISO/DIS 14732:2011)
- FprEN ISO 26304 en  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged arc welding of high strength steels – Classification (ISO/FDIS 26304:2011)  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, elektrode od žice punjene praškom i kombinacije elektrode i praška za elektrodočno zavarivanje pod praškom čelika visoke čvrstoće – Razredba (ISO/FDIS 26304:2011)

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

- prEN 12809 en  
Residential independent boilers fired by solid fuel – Nominal heat output up to 50 kw – Requirements and test methods
- prEN 12815 en  
Residential cookers fired by solid fuel – Requirements and test methods

prEN 13240 en  
Room heaters fired by solid fuel – Requirements and test methods

### **HZN/TO 120, Koža i obuća**

prEN ISO 16177 en  
Footwear – Resistance to crack initiation and growth – Belt flex method (ISO/DIS 16177:2011)

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

prEN ISO 2400 en  
Non-destructive testing – Ultrasonic examination – Specification for calibration block No. 1 (ISO/DIS 2400:2011)

prEN ISO 3059 en  
Non-destructive testing – Penetrant testing and magnetic particle testing – Viewing conditions (ISO/DIS 3059:2011)

FprEN ISO 11699-1 en  
Non-destructive testing – Industrial radiographic film – Part 1: Classification of film systems for industrial radiography (ISO 11699-1:2008)

FprEN ISO 11699-2 en  
Non-destructive testing – Industrial radiographic films – Part 2: Control of film processing by means of reference values (ISO 11699-2:1998)

### **HZN/TO 136, Namještaj**

prEN 1957 rev en  
Domestic furniture – Beds and mattresses – Test methods for the determination of functional characteristics

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

prEN 15012 en  
Plastics piping systems – Non pressure soil and waste discharge piping components within the building structure – Requirements and test/assessment methods for pipes and fittings

prEN 15013 en  
Plastics piping systems – Non-pressure drainage and sewerage piping components buried in ground – Requirements and test/assessment methods for pipes and fittings

prEN 15014 en  
Plastics piping systems – Buried and above ground piping components for water and other liquids under pressure – Requirements and test/assessment methods for pipes and fittings

prEN 15015 en  
Plastics piping systems – Hot and cold water piping components – Requirements and test/assessment methods for pipes and fittings

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

prEN ISO 13833 en  
Stationary source emissions – Determination of the ratio of biomass (biogenic) and fossil-derived carbon dioxide – Radiocarbon sampling and determination

prEN 16253 en  
Air quality – Atmospheric measurements near ground with Differential Optical Absorption Spectroscopy (DOAS) – Ambient air and diffuse emission measurements

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

prEN 16260 en  
Water quality – Visual seabed surveys using remotely operated and towed observation gear for collection of environmental data

### **HZN/TO 159, Ergonomija**

FprEN 13861 en  
Safety of machinery – Guidance for the application of ergonomics standards in the design of machinery

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

FprEN 12159 en  
Builders hoists for persons and materials with vertically guided cages

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

FprEN ISO 10218-1 en  
Robots and robotic devices – Safety requirements – Part 1: Industrial robots (ISO/FDIS 10218-1:2011)  
Roboti i robotski uređaji – Sigurnosni zahtjevi – 1. dio: Industrijski roboti (ISO/FDIS 10218-1:2011)

FprEN ISO 10218-2 en  
Robots and robotic devices – Safety requirements – Part 2: Industrial robot systems and integration (ISO/FDIS 10218-2:2011)  
Roboti i robotski uređaji – Sigurnosni zahtjevi – 2. dio: Sustav industrijskih robota i integracija (ISO/FDIS 10218-2:2011)

prEN ISO 11354-1 en  
Advanced automation technologies and their applications – Part 1: Framework for enterprise interoperability (ISO/DIS 11354-1:2009)

prEN ISO 13482 en  
Robots and robotic devices – Safety requirements – Non-medical personal care robot

### **HZN/TO 502, Plinski uređaji**

FprEN 1458-1 en  
Domestic direct gas-fired tumble dryers of types B22D and B23D, of nominal heat input not exceeding 6 kW – Part 1: Safety

FprEN 1458-2 en  
Domestic direct gas-fired tumble dryers of types B22D and B23D, of nominal heat input not exceeding 6 kW – Part 2: Rational use of energy

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

EN ISO 1179-2:2008/prA1 en  
Connections for general use and fluid power – Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing – Part 2: Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E) – Amendment 1 (ISO 1179-2:2007/DAM 1:2011)

EN ISO 6892-2:2011 en  
Metallic materials – Tensile testing – Part 2: Method of test at elevated temperature (ISO 6892-2:2011)  
Metalni materijali – Vlačno ispitivanje – 2. dio: Metoda ispitivanja na povišenoj temperaturi (ISO 6892-2:2011)

prEN ISO 9513 en  
Metallic materials – Calibration of extensometer systems used in uniaxial testing (ISO/DIS 9513:2011)

prEN 10025-1 en  
Hot rolled products of structural steels – Part 1: General technical delivery conditions

prEN 10025-2 en  
Hot rolled products of structural steels – Part 2: Technical delivery conditions for non-alloy structural steels

prEN 10025-3 en  
Hot rolled products of structural steels – Part 3: Technical delivery conditions for normalized/normalized rolled weldable fine grain structural steels

- prEN 10025-4 en  
Hot rolled products of structural steels – Part 4:  
Technical delivery conditions for thermomechanical  
rolled weldable fine grain structural steels
- prEN 10025-5 en  
Hot rolled products of structural steels – Part 5:  
Technical delivery conditions for structural steels with  
improved atmospheric corrosion resistance
- prEN 10025-6 en  
Hot rolled products of structural steels – Part 6:  
Technical delivery conditions for flat products of high  
yield strength structural steels in the quenched and  
tempered condition
- FprEN 10138-1 en  
Prestressing steels – Part 1: General requirements  
Čelici za prednapinjanje – 1. dio: Opći zahtjevi
- FprEN 10138-2 en  
Prestressing steels – Part 2: Wire  
Čelici za prednapinjanje – 2. dio: Žice
- FprEN 10138-3 en  
Prestressing steels – Part 3: Strand  
Čelici za prednapinjanje – 3. dio: Užad
- FprEN 10138-4 en  
Prestressing steels – Part 4: Bar  
Čelici za prednapinjanje – 4. dio: Šipke
- prEN 10149-1 en  
Hot rolled flat products made of high yield strength  
steels for cold forming – Part 1: General delivery  
conditions
- prEN 10149-2 en  
Hot rolled flat products made of high yield strength  
steels for cold forming – Part 2: Delivery conditions  
for thermomechanically rolled steels
- prEN 10149-3 en  
Hot rolled flat products made of high yield strength  
steels for cold forming – Part 3: Delivery conditions  
for normalized or normalized rolled steels
- FprEN 12163 en  
Copper and copper alloys – Rod for general  
purposes  
Bakar i legure bakra – Šipke za opće namjene
- FprEN 12164 en  
Copper and copper alloys – Rod for free machining  
purposes  
Bakar i legure bakra – Šipke namijenjene obradi  
odvajanjem čestica
- FprEN 12165 en  
Copper and copper alloys – Wrought and unwrought  
forging stock  
Bakar i legure bakra – Gnječeni i negnječeni materijal  
namijenjen kovanju
- FprEN 12166 en  
Copper and copper alloys – Wire for general  
purposes  
Bakar i legure bakra – Žica za opće namjene
- FprEN 12167 en  
Copper and copper alloys – Profiles and bars for  
general purposes  
Bakar i legure bakra – Profili i šipke za opće  
namjene
- FprEN 12168 en  
Copper and copper alloys – Hollow rod for free  
machining purposes  
Bakar i legure bakra – Šuplje šipke namijenjene obradi  
odvajanjem čestica
- prEN 13347 en  
Copper and copper alloys – Rod and wire for welding  
and braze welding
- prEN 13600 en  
Copper and copper alloys – Seamless copper tubes  
for electrical purposes
- prEN 13601 en  
Copper and copper alloys – Copper rod, bar and wire  
for general electrical purposes
- prEN 13602 en  
Copper and copper alloys – Drawn, round copper wire  
for the manufacture of electrical conductors
- prEN 13603 en  
Copper and copper alloys – Test methods for  
assessing protective tin coatings on drawn round  
copper wire for electrical purposes
- prEN 13604 en  
Copper and copper alloys – Semiconductor devices,  
electronic and vacuum products made from high  
conductivity copper
- prEN 13605 en  
Copper and copper alloys – Copper profiles and  
profiled wire for electrical purposes
- FprCEN/TR 16225 en  
Chemical analysis of ferrous materials – Analysis  
of Ferro-silicon – Determination of Al, Ti and P  
by inductively coupled plasma optical emission  
spectrometry  
Kemijska analiza materijala na bazi željeza – Analiza  
fero-silicija – Određivanje aluminija, titanija i fosfora  
pomoću optičke emisijske spektrometrije induktivnom  
spregnutom plazmom

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

- FprEN ISO 6158 en  
Metallic and other inorganic coatings—Electrodeposited  
coatings of chromium for engineering purposes  
(ISO/FDIS 6158:2011)

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

- EN ISO 10407-2:2008+AC:2009 en  
Petroleum and natural gas industries – Rotary drilling  
equipment – Part 2: Inspection and classification of  
used drill stem elements  
(ISO 10407-2:2008+Cor 1:2009)
- EN ISO 11961:2008+AC:2009 en  
Petroleum and natural gas industries – Steel drill pipe  
(ISO 11961:2008+Cor 1:2009)
- EN ISO 13628-1:2005/A1:2010 en  
Petroleum and natural gas industries – Design and  
operation of subsea production systems – Part 1:  
General requirements and recommendations –  
Amendment 1: Revised Clause 6  
(ISO 13628-1:2005/Amd 1:2010)  
Industrija nafte i prirodnog plina – Projektiranje i rad  
podmorskih proizvodnih sustava – 1. dio: Opći zahtjevi  
i upute – Amandman 1: Promijenjena točka 6  
(ISO 13628-1:2005/Amd 1:2010)
- prEN ISO 19901-7 en  
Petroleum and natural gas industries – Specific  
requirements for offshore structures – Part 7:  
Stationkeeping systems for floating offshore structures  
and mobile offshore units (ISO/DIS 19901-7:2011)
- EN ISO 21457:2010 en  
Petroleum, petrochemical and natural gas industries  
– Materials selection and corrosion control for oil and  
gas production systems (ISO 21457:2010)
- EN ISO 25457:2008 en  
Petroleum, petrochemical and natural gas industries  
– Flare details for general refinery and petrochemical  
service (ISO 25457:2008)
- EN ISO 28781:2010 en  
Petroleum and natural gas industries – Drilling and  
production equipment – Subsurface barrier valves  
and related equipment (ISO 28781:2010)

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

- EN 1317-1:2010 en  
Road restraint systems – Part 1: Terminology and general criteria for test methods  
Zaštitni cestovni sustavi – 1. dio: Nazivlje i opći kriteriji za metode ispitivanja
- EN 1317-2:2010 en  
Road restraint systems – Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets  
Zaštitni cestovni sustavi – 2. dio: Razredi izvedbe, ispitivanja sudara prema kriterijima prihvatljivosti i metode ispitivanja sigurnosnih ograda uključujući ograde za vozila
- EN 1317-3:2010 en  
Road restraint systems – Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions  
Zaštitni cestovni sustavi – 3. dio: Razredi izvedbe, ispitivanja sudara prema kriterijima prihvatljivosti i metode ispitivanja sigurnosnih jastuka
- EN 1794-1:2011 en  
Road traffic noise reducing devices – Non-acoustic performance – Part 1: Mechanical performance and stability requirements  
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 1. dio: Mehanička svojstva i zahtjevi za stabilnost
- EN 1794-2:2011 en  
Road traffic noise reducing devices – Non-acoustic performance – Part 2: General safety and environmental requirements  
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 2. dio: Osnovni sigurnosni zahtjevi i zahtjevi za okoliš

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

- prEN ISO 14451-1 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 1: Terminology (ISO/DIS 14451-1:2011)
- prEN ISO 14451-2 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 2: Test methods (ISO/DIS 14451-2:2011)
- prEN ISO 14451-3 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 3: Labelling (ISO/DIS 14451-3:2011)
- prEN ISO 14451-4 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 4: Requirements for micro gas generators (ISO/DIS 14451-4:2011)
- prEN ISO 14451-5 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 5: Requirements for airbag gas generators (ISO/DIS 14451-5:2011)
- prEN ISO 14451-6 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 6: Requirements for airbag modules (ISO/DIS 14451-6:2011)
- prEN ISO 14451-7 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 7: Requirements for seatbelt pretensioners (ISO/DIS 14451-7:2011)
- prEN ISO 14451-8 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 8: Requirements for igniters (ISO/DIS 14451-8:2011)
- prEN ISO 14451-9 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 9: Requirements for actuators (ISO/DIS 14451-9:2011)

- prEN ISO 14451-10 en  
Pyrotechnic articles – Pyrotechnic articles for vehicles – Part 10: Requirements for semi finished assemblies (ISO/DIS 14451-10:2011)
- prEN 16256-1 en  
Pyrotechnic articles – Theatrical pyrotechnic articles – Part 1: Terminology
- prEN 16256-2 en  
Pyrotechnic articles – Theatrical pyrotechnic articles – Part 2: Categories of theatrical pyrotechnic articles
- prEN 16256-3 en  
Pyrotechnic articles – Theatrical pyrotechnic articles – Part 3: Requirements for construction and performance
- prEN 16256-4 en  
Pyrotechnic articles – Theatrical pyrotechnic articles – Part 4: Minimum labelling requirements and instructions for use
- prEN 16256-5 en  
Pyrotechnic articles – Theatrical pyrotechnic articles – Part 5: Test methods
- prEN 16261-1 en  
Pyrotechnic articles – Fireworks, category 4 – Part 1: Terminology
- prEN 16261-2 en  
Pyrotechnic articles – Fireworks, Category 4 – Part 2: Requirements
- prEN 16261-3 en  
Pyrotechnic articles – Fireworks, Category 4 – Part 3: Test methods
- prEN 16261-4 en  
Pyrotechnic articles – Fireworks, Category 4 – Part 4: Minimum labelling requirements and end users documentation
- prEN 16263-1 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 1: Terminology
- prEN 16263-2 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 2: Requirements
- prEN 16263-3 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 3: Categories and types
- prEN 16263-4 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 4: Test methods
- prEN 16263-5 en  
Pyrotechnic articles – Other pyrotechnic articles – Part 5: Minimum labelling and end users documentation
- prEN 16264 en  
Pyrotechnic articles – Other pyrotechnic articles – Fixing cartridges
- prEN 16265 en  
Pyrotechnic articles – Other pyrotechnic articles – Ignition devices

## **HZN/TO 516, Usluge prijevoza**

- prEN 16258 en  
Methodology for calculation and declaration on energy consumptions and GHG emissions in transport services (good and passengers transport)

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

- EN 1464:2010 en  
Adhesives – Determination of peel resistance of adhesive bonds – Floating roller method  
Adhezivi – Određivanje otpornosti na raslojavanje adhezivnih vezova – Metoda plutajućeg valjka

- EN 14022:2010 en  
Structural Adhesives – Determination of the pot life (working life) of multi-component adhesives  
Strukturalni (konstrukcijski) adhezivi – Određivanje radnog vremena (pot life) višekomponentnih adheziva
- EN 14294:2010 en  
Adhesives for leather and footwear materials – Preparation of bonded test pieces by moulding-on processes  
Adhezivi za kožu i materijale za obuću – Priprema uzoraka slijepjenih spojeva postupkom prešanja
- prEN 16254 en  
Adhesives – Emulsion polymerized isocyanate (EPI) for load-bearing timber structures – Classification and performance requirements

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

- prEN 16250-1 en  
Levels of performance and acceptance for street cleaning and municipal waste management services – Part 1: General requirements

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

- prEN ISO 17261 en  
Intelligent transport systems – Automatic vehicle and equipment identification – Intermodal goods transport architecture and terminology (ISO/DIS 17261:2011)
- prEN ISO 17262 en  
Intelligent transport systems – Automatic vehicle and equipment identification – Numbering and data structures (ISO/DIS 17262:2011)
- prEN ISO 17263 en  
Intelligent transport systems – Automatic vehicle and equipment identification – Intermodal goods transport – System parameters (ISO/DIS 17263:2011)

### **HZN/TO 525/PO 2, Hidroizolacijski materijali i proizvodi za pokrivanje krovova; Proizvodi za oblaganje krovova i zidova**

- FprEN 490 en  
Concrete roofing tiles and fittings for roof covering and wall cladding – Product specifications

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

- EN 12080:2007+A1:2010 en  
Railway applications – Axleboxes – Rolling bearings  
Oprema za željeznice – Osovinska ležišta – Kotrljajući ležajevi
- EN 12081:2007+A1:2010 en  
Railway applications – Axleboxes – Lubricating greases  
Oprema za željeznice – Osovinska ležišta – Sredstva za podmazivanje
- EN 12082:2007+A1:2010 en  
Railway applications – Axleboxes – Performance testing  
Oprema za željeznice – Osovinska ležišta – Ispitivanje radnih značajki
- EN 13103:2009+A1:2010 en  
Railway applications – Wheelsets and bogies – Non-powered axles – Design method  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Slobodne osovine – Metode konstruiranja
- EN 13104:2009+A1:2010 en  
Railway applications – Wheelsets and bogies – Powered axles – Design method  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Pogonske osovine – Metode konstruiranja

- EN 13260:2009+A1:2010 en  
Railway applications – Wheelsets and bogies – Wheelsets – Product requirements  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Osovinski sklopovi – Zahtjevi za proizvod
- EN 13261:2009+A1:2010 en  
Railway applications – Wheelsets and bogies – Axles – Product requirements  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Osovine – Zahtjevi za proizvod
- EN 13674-1:2011 en  
Railway applications – Track – Rail – Part 1: Vignole railway rails 46 kg/m and above  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 1. dio: Vignoleove željezničke tračnice mase 46 kg/m i više
- EN 13715:2006+A1:2010 en  
Railway applications – Wheelsets and bogies – Wheels – Tread profile  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Kotači – Profil kotača
- EN 13749:2011 en  
Railway applications – Wheelsets and bogies – Method of specifying the structural requirements of bogie frames  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Metode definiranja zahtjeva za oblikovanje okvira okretnih postolja
- EN 13803-1:2010 en  
Railway applications – Track – Track alignment design parameters – Track gauges 1435 mm and wider – Part 1: Plain line  
Oprema za željeznice – Željeznički gornji ustroj – Parametri za projektiranje geometrije kolosijeka – Širine kolosijeka 1435 mm i više – 1. dio: Otvorena pruga
- EN 13848-5:2008+A1:2010 en  
Railway applications – Track – Track geometry quality – Part 5: Geometric quality levels – Plain line  
Oprema za željeznice – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 5. dio: Razine kvalitete kolosiječne geometrije
- EN 13977:2011 en  
Railway applications – Track – Safety requirements for portable machines and trolleys for construction and maintenance  
Oprema za željeznice – Željeznički gornji ustroj – Sigurnosni zahtjevi za prienosne strojeve i tračnička kolica za izgradnju i održavanje pruga
- EN 14033-1:2011 en  
Railway applications – Track – Railbound construction and maintenance machines – Part 1: Technical requirements for running  
Oprema za željeznice – Željeznički gornji ustroj – Kolosiječni strojevi za gradnju i održavanje – 1. dio: Tehnički zahtjevi za vožnju
- EN 14067-5:2006+A1:2010 en  
Railway applications – Aerodynamics – Part 5: Requirements and test procedures for aerodynamics in tunnels  
Oprema za željeznice – Aerodinamika – 5. dio: Zahtjevi i ispitni postupci za aerodinamiku u tunelima
- EN 14813-1:2006+A1:2010 en  
Railway applications – Air conditioning for driving cabs – Part 1: Comfort parameters  
Oprema za željeznice – Klimatizacija upravljačnica – 1. dio: Parametri udobnosti
- EN 14813-2:2006+A1:2010 en  
Railway applications – Air conditioning for driving cabs – Part 2: Type tests  
Oprema za željeznice – Klimatizacija upravljačnica – 2. dio: Tipna ispitivanja

- EN 14865-1:2009+A1:2010 en  
Railway applications — Axlebox lubricating greases — Part 1: Method to test the ability to lubricate  
Oprema za željeznice — Maziva za kucišta ležaja — 1. dio: Metoda ispitivanja podmazivosti
- EN 14865-2:2006+A2:2010 en  
Railway applications — Axlebox lubricating greases — Part 2: Method to test the mechanical stability to cover vehicle speeds up to 200 km/h  
Oprema za željeznice — Sredstva za podmazivanje osovinskih ležišta — 2. dio: Metode ispitivanja mehaničke postojanosti za vozila brzina do 200 km/h
- EN 15020:2006+A1:2010 en  
Railway applications — Rescue coupler — Performance requirements, specific interface geometry and test methods  
Oprema za željeznice — Pomoćno kvaćilo — Zahtjevi za radne značajke, posebna utjecajna geometrija i metode ispitivanja
- EN 15227:2008+A1:2010 en  
Railway applications — Crashworthiness requirements for railway vehicle bodies  
Oprema za željeznice — Zahtjevi za otpornost na sudare sanduka željezničkih vozila
- EN 15302:2008+A1:2010 en  
Railway applications — Method for determining the equivalent conicity  
Oprema za željeznice — Metoda za određivanje ekvivalentne koničnosti
- EN 15313:2010 en  
Railway applications — In-service wheelset operation requirements — In-service and off-vehicle wheelset maintenance  
Oprema za željeznice — Zahtijevani postupci za eksploataciju osovinskih sklopova — Održavanje osovinskih sklopova u eksploataciji i skladištenju
- EN 15427:2008+A1:2010 en  
Railway applications — Wheel/rail friction management — Flange lubrication  
Oprema za željeznice — Upravljanje trenjem između kotača i tračnica — Podmazivanje prirubnica
- EN 15461:2008+A1:2010 en  
Railway applications — Noise emission — Characterisation of the dynamic properties of track sections for pass by noise measurements  
Oprema za željeznice — Emisija buke — Određivanje dinamičkih svojstava za dionicu pruge kojom prolazi vlak pri mjerenju buke
- EN 15551:2009+A1:2010 en  
Railway applications — Railway rolling stock — Buffers  
Oprema za željeznice — Željeznička vozila — Odbojnici
- EN 15566:2009+A1:2010 en  
Railway applications — Railway rolling stock — Draw gear and screw coupling  
Oprema za željeznice — Željeznička vozila — Vučni uređaj i vijčano kvaćilo
- EN 15686:2010 en  
Railway applications — Testing for the acceptance of running characteristics of railway vehicles with cant deficiency compensation system and/or vehicles intended to operate with higher cant deficiency than stated in EN 14363:2005, Annex G  
Oprema za željeznice — Ispitivanja za prihvaćanje vozničkih karakteristika željezničkih vozila sa sustavima za kompenzaciju naginjanja i/ili vozila koja trebaju raditi pod nagibima većim od onih navedenih u EN 14363:2005, Dodatak G
- EN 15687:2010 en  
Railway applications — Testing for the acceptance of running characteristics of freight vehicles with static axle loads higher than 225 kN and up to 250 kN  
Oprema za željeznice — Ispitivanja za prihvaćanje vozničkih karakteristika teretnih vozila sa statičkim osovinskim opterećenjem većim od 225 kN do 250 kN
- EN 15734-1:2010 en  
Railway applications — Braking systems of high speed trains — Part 1: Requirements and definitions  
Oprema za željeznice — Kočni sustavi za vlakove velikih brzina — 1. dio: Zahtjevi i definicije
- EN 15734-2:2010 en  
Railway applications — Braking systems of high speed trains — Part 2: Test methods  
Oprema za željeznice — Kočni sustavi za vlakove velikih brzina — 2. dio: Metode ispitivanja
- EN 15746-1:2010 en  
Railway applications — Track — Road-rail machines and associated equipment — Part 1: Technical requirements for running and working  
Oprema za željeznice — Željeznički gornji ustroj — Cestovno-željeznički strojevi i pripadajuća oprema — 1. dio: Tehnički zahtjevi za kretanje i rad
- EN 15746-2:2010 en  
Railway applications — Track — Road-rail machines and associated equipment — Part 2: General safety requirements  
Oprema za željeznice — Željeznički gornji ustroj — Cestovno-željeznički strojevi i pripadajuća oprema — 2. dio: Općeniti sigurnosni zahtjevi
- EN 15807:2011 en  
Railway applications — Pneumatic half couplings  
Oprema za željeznice — Poluspojke zračne instalacije
- EN 15827:2011 en  
Railway applications — Requirements for bogies and running gears  
Oprema za željeznice — Zahtjevi za okretna postolja i pogonske uređaje
- EN 15892:2011 en  
Railway applications — Noise Emission — Measurement of noise inside driver's cabs  
Oprema za željeznice — Emisija buke — Mjerenje buke u upravljačnicama
- prEN 16251 en  
Railway application — Environmental conditions — Design and test of rolling stock under severe conditions
- HZN/TO 529, Granici, dizalice i prenosila neprekidne dobave**
- prEN 13852-1 en  
Cranes — Offshore cranes — Part 1: General purpose offshore cranes
- HZN/TO 531, Plastika i guma**
- prEN ISO 5659-2 en  
Plastics — Smoke generation — Part 2: Determination of optical density by a single-chamber test (ISO/DIS 5659-2:2011)
- prEN ISO 9773 en  
Plastics — Determination of burning behaviour of thin flexible vertical specimens in contact with a small-flame ignition source (ISO/DIS 9773:2011)
- HZN/TO 533/PO 1, Kolničke konstrukcije; Cestograđevni materijali**
- FprEN 12697-26 en  
Bituminous mixtures — Test methods for hot mix asphalt — Part 26: Stiffness



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

- prEN 16257 en  
Tanks for the transport of dangerous goods – Service equipment – Footvalve sizes other than 100 mm dia (nom)

### **HZN/TO 535, Agregati**

- FprEN 13139 en  
Aggregates for mortar
- FprEN 13242 en  
Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction
- prEN 16262 en  
Sorting test to determine metal content of Municipal Incinerator Bottom Ash (MIBA) Aggregates – Tests for chemical properties of aggregates

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

- FprEN 1863-1 en  
Glass in building – Heat strengthened soda lime silicate glass – Part 1: Definition and description
- FprEN 13024-1 en  
Glass in building – Thermally toughened borosilicate safety glass – Part 1: Definition and description
- prEN 15685 en  
Building hardware – Requirements and test methods – Multipoint locks, latches and locking plates

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

- prEN 14204 en  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area – Test method and requirements (phase 2, step 1)
- prEN 14349 en  
Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action – Test method and requirements (phase 2, step 2)

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

- prEN 12828 en  
Heating systems in buildings – Design for water-based heating systems
- FprEN 15726 en  
Ventilation for buildings – Air diffusion – Measurements in the occupied zone of airconditioned/ventilated rooms to evaluate thermal and acoustic conditions
- FprEN 15780 en  
Ventilation for buildings – Ductwork – Cleanliness of ventilation systems

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

- ISO 1891:2009 en  
Fasteners – Terminology  
Spojni elementi – Nazivlje
- ISO 4378-1:2009 en  
Plain bearings – Terms, definitions, classification and symbols – Part 1: Design, bearing materials and their properties  
Klizni ležajevi – Nazivi, definicije, razredba i simboli – 1. dio: Konstrukcija, ležajni materijali i njihova svojstva
- ISO 4378-2:2009 en  
Plain bearings – Terms, definitions, classification and symbols – Part 2: Friction and wear  
Klizni ležajevi – Nazivi, definicije, razredba i simboli – 2. dio: Trenje i trošenje

- ISO 4378-3:2009 en  
Plain bearings – Terms, definitions, classification and symbols – Part 3: Lubrication  
Klizni ležajevi – Nazivi, definicije, razredba i simboli – 3. dio: Podmazivanje
- ISO 4378-4:2009 en  
Plain bearings – Terms, definitions, classification and symbols – Part 4: Basic symbols  
Klizni ležajevi – Nazivi, definicije, razredba i simboli – 4. dio: Osnovni simboli
- ISO 4378-5:2009 en  
Plain bearings – Terms, definitions, classification and symbols – Part 5: Application of symbols  
Klizni ležajevi – Nazivi, definicije, razredba i simboli – 5. dio: Primjena simbola
- ISO 5408:2009 en  
Screw threads – Vocabulary  
Vijčani navoji – Terminološki rječnik
- ISO 7146-1:2008 en  
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 1: General  
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Općenito
- ISO 7146-2:2008 en  
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 2: Cavitation erosion and its countermeasures  
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Kavitacijska erozija i protumjere
- prEN ISO 10683 en  
Fasteners – Non-electrolytically applied zinc flake coatings (ISO/DIS 10683:2011)
- ISO 24393:2008 en  
Rolling bearings – Linear motion rolling bearings – Vocabulary  
Valjni ležajevi – Valjni ležajevi s pravocrtnim gibanjem – Terminološki rječnik

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

- EN 806-4:2010 en  
Specifications for installations inside buildings conveying water for human consumption – Part 4: Installation  
Specifikacije za instalacije u zgradama za dovod vode za ljudsku uporabu – 4. dio: Ugradnja

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

- FprEN 13224 en  
Precast concrete products – Ribbed floor elements

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

- prEN ISO 13287 en  
Personal protective equipment – Footwear – Test method for slip resistance (ISO/DIS 13287:2011)

### **HZN/TO 557, Zaštitna odjeća**

- prEN 469 rev en  
Protective clothing for firefighters – Requirements and test methods for protective clothing for firefighting
- prEN ISO 11611 en  
Protective clothing for use in welding and allied processes (ISO/DIS 11611:2011)
- prEN ISO 11612 en  
Protective clothing – Clothing to protect against heat and flame – Minimum performance requirements (ISO/DIS 11612:2011)
- prEN ISO 14116 en  
Protective clothing – Protection against heat and flame – Limited flame spread materials, material assemblies and clothing (ISO/DIS 14116:2011)

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

EN 693:2001+A1:2009/FprA2:2009 en  
Machine tools – Safety – Hydraulic presses

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

FprEN ISO 3961 en  
Animal and vegetable fats and oils – Determination of iodine value (ISO 3961:2009)

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

FprEN 62056-7-6:2011 en  
Electricity metering data exchange – the DLMS/COSEM suite – Part 7-6: The 3-layer, connection-oriented HDLC based communication profile (IEC 62056-7-6:201X)

FprEN 62056-8-3:2011 en  
Electricity metering data exchange – The DLMS/COSEM suite – Part 8-3: The PLC S-FSK profile for neighbourhood networks (IEC 62056-8-3:201X)

FprEN 62056-9-7:2011 en  
Electricity metering data exchange – The DLMS/COSEM suite – Part 9-7: Communication profile for TCP-UDP/IP networks (IEC 62056-9-7:201X)

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

FprEN 61439-4:2011 en  
Low-voltage switchgear and controlgear assemblies – Part 4: Assemblies for construction sites (ACS) (IEC 61439-4:201X)

FprEN 62271-207:2011 en  
High-voltage switchgear and controlgear – Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV (IEC 62271-207:201X)

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

prEN 61526 en  
Radiation protection instrumentation – Measurement of personal dose equivalents Hp(10) and Hp(0,07) for X, gamma, neutron and beta radiations – Direct reading personal dose equivalent meters (IEC 61526:2010)

prEN 62401 en  
Radiation protection instrumentation – Alarming personal radiation devices (PRD) for detection of illicit trafficking of radioactive material (IEC 62401:2007)

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

EN 50304:2009 en  
Electric cooking ranges, hobs, ovens and grills for household use – Methods for measuring performance (IEC 60350:1999, MOD+am1:2005, MOD+am2:2008, MOD)

EN 50304:2009/A1:2010 en  
Electric cooking ranges, hobs, ovens and grills for household use – Methods for measuring performance

EN 50523-1:2009 en  
Household appliances interworking – Part 1: Functional specification

EN 50523-2:2009 en  
Household appliances interworking – Part 2: Data structures

EN 60311:2003/A2:2009 en  
Electric irons for household or similar use – Methods for measuring performance (IEC 60311:2002/am2:2009)  
Električna glačala za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (IEC 60311:2002/am2:2009)

EN 60531:2000 en  
Household electric thermal storage room heaters – Methods for measuring performance (IEC 60531:1999, MOD)

EN 60704-1:2010 en  
Household and similar electrical appliances – Test code for the determination of airborne noise – Part 1: General requirements (IEC 60704-1:2010)  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 1. dio: Opći zahtjevi (IEC 60704-1:2010)

EN 60704-2-2:2010 en  
Household and similar appliances – Test code for the determination of airborne acoustical noise – Part 2-2: Particular requirements for fan heaters (IEC 60704-2-2:2009)  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-2: Posebni zahtjevi za sušila za kosu (IEC 60704-2-2:2009)

FprEN 60704-2-6:2011 en  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-6: Particular requirements for tumble dryer (IEC 60704-2-6:201X)

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

EN 62115:2005/FprAB:2011 en  
Electric toys – Safety

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

EN 60601-1:2006/FprA1:2011 en  
Medical electrical equipment – Part 1: General requirements for basic safety and essential performance (IEC 60601-1:2005/am1:201X)

FprEN 60601-2-63:2011 en  
Medical electrical equipment – Part 2-63: Particular requirements for basic safety and essential performance of dental extra-oral x-ray equipment (IEC 60601-2-63:201X)

FprEN 60601-2-65:2011 en  
Medical electrical equipment – Part 2-65: Particular requirements for basic safety and essential performance of dental intra-oral x-ray equipment (IEC 60601-2-65:201X)

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

prEN 50132-7:2011 en  
Alarm system – CCTV surveillance systems for use in security applications – Part 7: Application guidelines

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

CLC/TR 50083-5-1:2009 en  
Cable networks for television signals, sound signals and interactive services – Part 5-1: IP gateways and interfaces for headends

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

CLC/TR 50083-10-1:2009 en  
Cable networks for television signals, sound signals and interactive services – Part 10-1: Guidelines for the implementation of return paths in cable networks

- EN 60268-4:2010 en  
Sound system equipment – Part 4: Microphones (IEC 60268-4:2010)  
Oprema audiosustava – 4. dio: Mikrofonii (IEC 60268-4:2010)
- EN 60268-5:2003/A1:2009 en  
Sound system equipment – Part 5: Loudspeakers (IEC 60268-5:2003/am1:2007)  
Oprema audiosustava – 5. dio: Zvučnici (IEC 60268-5:2003/am1:2007)
- EN 60728-1-1:2010 en  
Cable networks for television signals, sound signals and interactive services – Part 1-1: RF cabling for two way home networks (IEC 60728-1-1:2010)
- EN 60728-1-2:2009 en  
Cable networks for television signals, sound signals and interactive services – Part 1-2: Performance requirements for signals delivered at the system outlet in operation (IEC 60728-1-2:2009)
- EN 60728-7-3:2009 en  
Cable networks for television signals, sound signals and interactive services – Part 7-3: Hybrid fibre coax outside plant status monitoring – Power supply to transponder interface bus (PSTIB) (IEC 60728-7-3:2009)
- EN 60728-11:2010 en  
Cable networks for television signals, sound signals and interactive services – Part 11: Safety (IEC 60728-11:2010)  
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 11. dio: Sigurnost (IEC 60728-11:2010)
- EN 60728-13:2010 en  
Cable networks for television signals, sound signals and interactive services – Part 13: Optical systems for broadcast signal transmissions (IEC 60728-13:2010+Corr.1:2010)  
Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 13. dio: Optički sustavi za difuzijske prijenose signala (IEC 60728-13:2010+Corr.1:2010)
- EN 60958-1:2008 en  
Digital audio interface – Part 1: General (IEC 60958-1:2008)  
Digitalno audiosučelje – 1. dio: Općenito (IEC 60958-1:2008)
- EN 60958-3:2006/A1:2010 en  
Digital audio interface – Part 3: Consumer applications (IEC 60958-3:2006/am1:2009)  
Digitalno audiosučelje – 3. dio: Uređaji za široku potrošnju (IEC 60958-3:2006/am1:2009)
- EN 61606-1:2009 en  
Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 1: General (IEC 61606-1:2009)  
Audio i audiovideo oprema – Digitalni audio dijelovi – Osnovne mjerne metode audio značajki – 1. dio: Općenito (IEC 61606-1:2009)
- EN 61606-2:2009 en  
Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 2: Consumer use (IEC 61606-2:2009)  
Audio i audiovideo oprema – Digitalni audio dijelovi – Osnovne mjerne metode audio značajki – 2. dio: Uporaba u širokoj potrošnji (IEC 61606-2:2009)
- EN 61606-3:2008 en  
Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 3: Professional use (IEC 61606-3:2008)  
Audio i audiovideo oprema – Digitalni audio dijelovi – Osnovne mjerne metode audio značajki – 3. dio: Profesionalna uporaba (IEC 61606-3:2008)
- EN 61883-1:2009 en  
Consumer audio/video equipment – Digital interface – Part 1: General (IEC 61883-1:2008)  
Audio/video oprema za široku potrošnju – Digitalno sučelje – 1. dio: Općenito (IEC 61883-1:2008)
- EN 61883-8:2009 en  
Consumer audio/video equipment – Digital interface – Part 8: Transmission of ITU-R BT.601 style digital video data (IEC 61883-8:2008)  
Audio/video oprema za široku potrošnju – Digitalno sučelje – 8. dio: Prijenos podataka digitalnog videa stila ITU-R BT.601 (IEC 61883-8:2008)
- EN 61937-3:2009 en  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats (IEC 61937-3:2007)
- EN 61937-5:2006 en  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 5: Non-linear PCM bitstreams according to the DTS (Digital Theater Systems) format(s) (IEC 61937-5:2006)
- EN 61937-6:2006 en  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 6: Non-linear PCM bitstreams according to the MPEG-2 AAC and MPEG-4 AAC audio formats (IEC 61937-6:2006)
- EN 61937-12:2010 en  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats (IEC 61937-12:2010)
- EN 61966-5:2009 en  
Multimedia systems and equipment – Colour measurement and management – Part 5: Equipment using plasma display panels (IEC 61966-5:2008)  
Multimedijski sustavi i oprema – Mjerenje i upravljanje bojama – 5. dio: Oprema koja upotrebljava panele pokazivača s plazmom (IEC 61966-5:2008)
- EN 61966-7-1:2006 en  
Multimedia systems and equipment – Colour measurement and management – Part 7-1: Colour printers – Reflective prints – RGB inputs (IEC 61966-7-1:2006)  
Multimedijski sustavi i oprema – Mjerenje i upravljanje bojama – Dio 7-1: Printeri u boji – Reflektivni printeri – Ulazi za crvenu, zelenu i plavu boju (ili RGB ulazi) (IEC 61966-7-1:2006)
- EN 62002-1:2008 en  
Mobile and portable DVB-T/H radio access – Part 1: Interface specification (IEC 62002-1:2008+Corr.1:2008)  
Mobilni i prijenosni DVB-T/H radio pristup – 1. dio: Specifikacija sučelja (IEC 62002-1:2008+Corr.1:2008)
- EN 62002-2:2008 en  
Mobile and portable DVB-T/H radio access – Part 2: Interface conformance testing (IEC 62002-2:2008)  
Mobilni i prijenosni DVB-T/H radio pristup – 2. dio: Ispitivanje sukladnosti sučelja (IEC 62002-2:2008)
- EN 62087:2009 en  
Methods of measurement for the power consumption of audio, video and related equipment (IEC 62087:2008)  
Metode mjerenja potrošnje energije audio, video i pripadajuće opreme (IEC 62087:2008)
- EN 62106:2009 en  
Specification of the Radio Data System (RDS) for VHF/FM sound broadcasting in the frequency range from 87,5 MHz to 108,0 MHz (IEC 62106:200X)  
Specifikacija radiopodatkovnog sustava (RDS, Radio Data System) za VHF/FM radiodifuziju zvuka u frekvencijskom području od 87,5 do 108,0 MHz (IEC 62106:200X)

- EN 62261-1:2006 en  
Television METADATA — Part 1: Metadata dictionary structure (IEC 62261-1:2005)  
Televizijski metapodaci (METADATA) — 1. dio: Struktura riječnika metapodataka (IEC 62261-1:2005)
- EN 62261-2:2006 en  
Television METADATA — Part 2: Data encoding protocol using key-length-value (IEC 62261-2:2005)  
Televizijski metapodaci (METADATA) — 2. dio: Protokol za kodiranje podataka koji upotrebljava duljinu kao ključ vrijednosti (IEC 62261-2:2005)
- EN 62295:2009 en  
Multimedia systems — Common communication protocol for inter-connectivity on heterogeneous networks (IEC 62295:2007)  
Multimedijski sustavi — Opći komunikacijski protokol za međusobnu spojivost na raznovrsnim mrežama (IEC 62295:2007)
- EN 62365:2009 en  
Digital audio — Digital input-output interfacing — Transmission of digital audio over asynchronous transfer mode (ATM) networks (IEC 62365:2009)  
Digitalni audio — Sučeljavanje digitalnog ulaza i izlaza — Prijenos digitalnog audia preko mreža asinkronog načina prijenosa (ATM) (IEC 62365:2009)
- EN 62379-2:2009 en  
Common control interface for networked digital audio and video products — Part 2: Audio (IEC 62379-2:2008)  
Zajedničko upravljačko sučelje za umrežene digitalne audio i video proizvode — 2. dio: Audio (IEC 62379-2:2008)
- EN 62448:2009 en  
Multimedia systems and equipment — Multimedia E-publishing and E-books — Generic format for E-publishing (IEC 62448:2009)  
Multimedijski sustavi i oprema — Multimedijsko e-izdavaštvo i e-knjige — Opći (generični) oblik za e-izdavaštvo (IEC 62448:2009)
- EN 62480:2009 en  
Multimedia home network — Network interfaces for network adapter (IEC 62480:2008)  
Kućna mreža za multimediju — Mrežno sučelje za mrežni adapter (IEC 62480:2008)
- EN 62514:2010 en  
Multimedia gateway in home networks — Guidelines (IEC 62514:2010)  
Načini pristupa multimedije kućnim mrežama — Smjernice (IEC 62514:2010)
- EN 62516-1:2009 en  
Terrestrial digital multimedia broadcasting (T-DMB) receivers — Part 1: Basic requirement (IEC 62516-1:2009)  
Prijemnici zemaljske digitalne multimedijske difuzije (T-DMB) — 1. dio: Temeljni zahtjevi (IEC 62516-1:2009)
- EN 62537:2010 en  
Interface for loudspeakers with digital input signals based on IEC 60958 (IEC 62537:2010)  
Sučelje za zvučnike s digitalnim ulaznim signalima zasnovano na nizu IEC 60958 (IEC 62537:2010)
- EN 62546:2009 en  
High Definition (HD) recording link guidelines (IEC 62546:2009)  
Smjernice za HD link za snimanje (IEC 62546:2009)
- EN 62684:2010 en  
Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones (IEC 62684:2011)

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

- FprEN 50563:2011 en  
External a.c. - d.c. and a.c. - a.c. power supplies — Determination of no-load power and average efficiency of active modes

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

- EN 50498:2010 en  
Electromagnetic compatibility (EMC) — Product family standard for aftermarket electronic equipment in vehicles  
Elektromagnetska kompatibilnost (EMC) — Norma porodice proizvoda za elektroničku opremu naknadno ugrađenu u vozila
- EN 55011:2009/A1:2010 en  
Industrial, scientific and medical equipment — Radio-frequency disturbance characteristics — Limits and methods of measurement (CISPR 11:2009/am1:2010)
- EN 55016-1-1:2010+A1:2010 en  
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+am1:2010)  
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti — Dio 1-1: Uređaji za mjerenje radiosmetnja i otpornosti — Mjerni uređaji (CISPR 16-1-1:2010+am1:2010)
- EN 55016-2-3:2010+A1:2010 en  
Specification for radio disturbance and immunity measuring apparatus and methods — Part 2-3: Methods of measurement of disturbances and immunity — Radiated disturbance measurements (CISPR 16-2-3:2010+am1:2010)  
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti — Dio 2-3: Metode mjerenja smetnja i otpornosti — Mjerenje zračenih smetnji (CISPR 16-2-3:2010+am1:2010)
- EN 55024:2010 en  
Information technology equipment — Immunity characteristics — Limits and methods of measurement (CISPR 24:2010)  
Uređaji informatičke tehnike — Značajke otpornosti — Granice i metode mjerenja (CISPR 24:2010)
- EN 61000-4-18:2007/A1:2010 en  
Electromagnetic compatibility (EMC) — Part 4-18: Testing and measurement techniques — Damped oscillatory wave immunity test (IEC 61000-4-18:2006/am1:2010)  
Elektromagnetska kompatibilnost (EMC) — Dio 4-18: Ispitne i mjerne tehnike — Ispitivanje otpornosti na prigušene oscilirajuće valove (IEC 61000-4-18:2006/am1:2010)
- EN 61000-4-20:2010 en  
Electromagnetic compatibility (EMC) — Part 4-20: Testing and measurement techniques — Emission and immunity testing in transverse electromagnetic (TEM) waveguides (IEC 61000-4-20:2010)  
Elektromagnetska kompatibilnost (EMC) — Dio 4-20: Ispitne i mjerne tehnike — Ispitivanje emisije i otpornosti u poprečnim elektromagnetskim (TEM) valovodima (IEC 61000-4-20:2010)
- EN 61000-4-25:2002/FprA1:2011 en  
Electromagnetic compatibility (EMC) — Part 4-25: Testing and measurement techniques — HEMP immunity test methods for equipment and systems (IEC 61000-4-25:2001/am1:201X)

EN 61000-4-4:2004/A1:2010 en  
Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test (IEC 61000-4-4:2004/am1:2010)  
Elektromagnetska kompatibilnost (EMC) – Dio 4-4: Ispitne i mjerne tehnike – Ispitivanje otpornosti na električne brze tranzijente/rafale (IEC 61000-4-4:2004/am1:2010)

EN 61000-4-8:2010 en  
Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test (IEC 61000-4-8:2009)  
Elektromagnetska kompatibilnost (EMC) – Dio 4-8: Ispitne i mjerne tehnike – Ispitivanje otpornosti na magnetska polja energetske frekvencije (IEC 61000-4-8:2009)

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

TBR 035 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Emergency access  
Terestrijalni trunking radio (TETRA) – Pristup u izvanrednim situacijama

EN 300 086-2 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Radio equipment with an internal or external RF connector intended primarily for analogue speech – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s integriranim ili izvanjskim RF priključkom namijenjena primarno za analogni govor – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 113-2 V1.4.2:2009 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land mobile service – Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema za prijenos podataka (i/ili govora) koja upotrebljava stalnu ili promjenjivu modulaciju ovojnice i koja ima antenski priključak – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 220-2 V2.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW – Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za frekvenzijsko područje od 25 MHz do 1000 MHz sa razinom snage do 500 mW – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 296-2 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Radio equipment using integral antennas intended primarily for analogue speech – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s integriranim antenama namijenjena primarno za analogni govor – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 330-2 V1.5.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za frekvenzijsko područje od 9 kHz do 25 MHz i sustavi induktivne petlje u frekvenzijskom području od 9 kHz do 30 MHz – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE

EN 300 338-5 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 5: Handheld VHF Class D DSC  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke karakteristike i metode mjerenja za opremu koja proizvodi, odašilje i prima digitalni selektivni poziv (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 5. dio: Ručna oprema (dlanovnik) VHF klasa D DSC

EN 300 373-3 V1.2.1:2009 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Maritime mobile transmitters and receivers for use in the MF and HF bands – Part 3: Harmonized EN covering essential requirements under article 3.3(e) of the R&TTE Directive – Equipment with integrated or associated equipment for Class E Digital Selective Calling (DSC)  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Pomorski pokretni predajnici i prijammnici u MF i HF frekvenzijskim područjima – 3. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE – Oprema s integriranim ili pridruženom opremom za klasu E digitalnoga selektivnog poziva (DSC)

EN 300 440-2 V1.4.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short range devices – Radio equipment to be used in the 1 GHz to 40 GHz frequency range – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za frekvenzijsko područje od 1 GHz do 40 GHz – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 300 676-2 V1.4.1:2010 en  
Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive  
Zemaljski VHF ručni, pokretni i nepokretni predajnici, prijammnici i primopredajnici za VHF aeronautičke pokretne usluge koji upotrebljavaju amplitudnu modulaciju – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

- EN 301 025-2 V1.4.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – VHF radiotelephone equipment for general communications and associated equipment for Class “D” Digital Selective Calling (DSC) – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – VHF radiotelefonska oprema za opće komunikacije i pridružena oprema za klasu “D” digitalnoga selektivnog poziva (DSC) – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 025-3 V1.4.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – VHF radiotelephone equipment for general communications and associated equipment for Class “D” Digital Selective Calling (DSC) – Part 3: Harmonized EN covering the essential requirements of article 3.3(e) of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – VHF radiotelefonska oprema za opće komunikacije i pridružena oprema za klasu “D” digitalnoga selektivnog poziva (DSC) – 3. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.3(e) direktive R&TTE
- EN 301 033 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for shipborne watchkeeping receivers for reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and VHF bands  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke karakteristike i metode mjerenja za brodske kontrolne prijarnike za prijam digitalnog selektivnog poziva (DSC) u pomorskim MF, MF/HF i VHF pojasevima
- EN 301 442 V1.2.1:2010 en  
Satellite Earth Stations and Systems (SES) – Harmonized EN for Mobile Earth Stations (MESs), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) in the 2,0 GHz bands under the Mobile Satellite Service (MSS) covering essential requirements under article 3.2 of the R&TTE directive  
Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana europska norma EN za pokretne zemaljske postaje (MESs), uključujući ručne zemaljske postaje, za satelitske mreže osobnih komunikacija (S-PCN) u pojasu 2,0 GHz u sklopu pokretnih satelitskih usluga (MSS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 489-23 V1.4.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 23: Specific conditions for IMT-2000 CDMA, Direct Spread (UTRA and E-UTRA) Base Station (BS) radio, repeater and ancillary equipment  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) za radio opremu i usluge – 23. dio: Specifični uvjeti za IMT-2000 CDMA, Direct Spread (UTRA i E-UTRA) radio baznih postaja (BS), repetitor i pomoćnu opremu
- EN 301 489-34 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 34: Specific conditions for External Power Supply (EPS) for mobile phones  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) za radio opremu i usluge – 34. dio: Specifični zahtjevi za vanjski izvor napajanja mobilnih telefona
- EN 301 783-2 V1.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Commercially available amateur radio equipment – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Komercijalno dostupna radioamaterska oprema – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 908-1 V4.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 1: Harmonized EN for IMT-2000, introduction and common requirements, covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 1. dio: Harmonizirana europska norma EN za IMT-2000, uvod i zajednički zahtjevi, obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 908-2 V4.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 2: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 2. dio: Harmonizirana europska norma EN za IMT-2000, CDMA višestruki nositelj (cdma2000) (repetitori) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 908-3 V4.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 3: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 3. dio: Harmonizirana europska norma EN za IMT-2000, CDMA izravno proširenje spektra (UTRA FDD i E-UTRA FDD) (BS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 908-4 V4.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 4: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 4. dio: Harmonizirana europska norma EN za IMT-2000, CDMA višestruki nositelj (cdma2000) i unaprijeđeni CDMA višestruki nositelj ultra širokopojasni mobilni prijenos podataka (UMB) (UE) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-5 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 5: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) and Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 5. dio: Harmonizirana europska norma EN za IMT-2000, CDMA višestruki nositelj (cdma2000) i unaprijeđeni CDMA višestruki nositelj ultra širokopojasni mobilni prijenos podataka (UMB) (BS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-6 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 6: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 6. dio: Harmonizirana europska norma EN za IMT-2000, CDMA TDD (UTRA TDD i E-UTRA TDD) (UE) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-7 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 7: Harmonized EN for IMT-2000, CDMA TDD (UTRA TDD and E-UTRA TDD) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 7. dio: Harmonizirana europska norma EN za IMT-2000, CDMA TDD (UTRA TDD i E-UTRA TDD) (BS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-11 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD and E-UTRA FDD) (Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 11. dio: Harmonizirana europska norma EN za IMT-2000, CDMA izravno proširenje spektra (UTRA FDD i E-UTRA FDD) (repetitori) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-12 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 12: Harmonized EN for IMT-2000, CDMA Multi-Carrier (cdma2000) (Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 12. dio: Harmonizirana europska norma EN za IMT-2000, CDMA višestruki nositelj (cdma2000) (repetitori) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-13 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 13: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 13. dio: Harmonizirana europska norma EN za IMT-2000, Unaprijeđeni univerzalni terestrijalni radijski pristup (E-UTRA) (UE) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-14 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 14: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 14. dio: Harmonizirana europska norma EN za IMT-2000, Unaprijeđeni, univerzalni, terestrijalni radijski pristup (E-UTRA) (BS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-15 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 15: Harmonized EN for IMT-2000, Evolved Universal Terrestrial Radio Access (E-UTRA) (FDD Repeaters) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 15. dio: Harmonizirana europska norma EN za IMT-2000, Unaprijeđeni, univerzalni, terestrijalni radijski pristup (E-UTRA) (FDD repetitori) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-16 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 16: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (UE) covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 16. dio: Harmonizirana europska norma EN za IMT-2000, Unaprijeđeni CDMA višestruki nositelj, ultra širokopojasni mobilni prijenos podataka (UMB) (UE) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 301 908-17 V4.2.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 17: Harmonized EN for IMT-2000, Evolved CDMA Multi-Carrier Ultra Mobile Broadband (UMB) (BS) covering the essential requirements of article 3.2 of the R&TTE Directive

- Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bazne postaje (BS), Repetitori i korisnička oprema (UE) za treću generaciju celularnih mreža IMT-2000 – 17. dio: Harmonizirana europska norma EN za IMT-2000, Unaprijeđeni CDMA višestruki nositelj ultra širokopojasni mobilni prijenos podataka (UMB) (BS) obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 301 925 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radiotelephone transmitters and receivers for the maritime mobile service operating in VHF bands – Technical characteristics and methods of measurement  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radiotelefonski odašiljači i prijamnici za pomorsku pokretnu službu koja radi u VHF pojasevima – Tehničke karakteristike i metode mjerenja
- EN 302 065 V1.2.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) using Ultra Wide Band technology (UWB) for communications purposes – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) koji upotrebljavaju ultra širokopojasnu tehnologiju (UWB) za potrebe komunikacija – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.3(e) direktive R&TTE
- EN 302 208-2 V1.3.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radiofrekvencijska oprema za identifikaciju koja radi u pojasu od 865 MHz do 868 MHz s razinama snage do 2 W – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 217-2-2 V1.4.1:2010 en  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu i antene sustava točka-točka – Dio 2-2: Digitalni sustavi koji rade u frekvencijskom pojasu u kojem se primjenjuje usklađivanje frekvencija – Harmonizirana EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 217-4-2 V1.5.1:2010 en  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 4-2: Antennas – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu i antene sustava točka-točka – Dio 4-2: Antene – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 435-2 V1.3.1:2009 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra WideBand technology (UWB) – Building Material Analysis and Classification equipment applications operating in the frequency band from 2,2 GHz to 8,5 GHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive
- Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Tehničke karakteristike uređaja kratkoga dometa koji upotrebljavaju ultra širokopojasnu tehnologiju (UWB) – Primjene u analizi građevnih materijala i razvrstavanju opreme u frekvencijskom području od 2,2 GHz do 8,5 GHz – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE
- EN 302 498-2 V1.1.1:2010 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra WideBand technology (UWB) – Object Discrimination and Characterization Applications for power tool devices operating in the frequency band from 2,2 GHz to 8,5 GHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Naprave kratkoga dometa (SRD) – Tehničke karakteristike uređaja kratkoga dometa koji upotrebljavaju ultra širokopojasnu tehnologiju (UWB) – Primjene u razlikovanju i davanju obilježja objekata za električne alate u frekvencijskom području od 2,2 GHz do 8,5 GHz – 2. dio: Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE
- EN 302 544-1 V1.1.2:2010 en  
Broadband Data Transmission Systems operating in the 2500 MHz to 2690 MHz frequency band – Part 1: TDD Base Stations – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Sustavi širokopojasnog prijenosa podataka u frekvencijskom području od 2500 MHz do 2690 MHz – 1. dio: TDD bazne postaje – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE
- EN 302 574-1 V1.1.1:2010 en  
Satellite Earth Stations and Systems (SES) – Harmonized Standard for satellite earth stations for MSS operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands – Part 1: Complementary Ground Component (CGC) for wideband systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje za MSS u frekvencijskim područjima od 1980 MHz do 2010 MHz (smjer zemlja-nebo) i od 2170 MHz do 2200 MHz (smjer nebo-zemlja) – 1. dio: Komplementarna zemaljska komponenta (CGC) za širokopojasne sustave – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE
- EN 302 574-2 V1.1.1:2010 en  
Satellite Earth Stations and Systems (SES) – Harmonized Standard for satellite earth stations for MSS operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands – Part 2: User Equipment (UE) for wideband systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive  
Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje za MSS u frekvencijskim područjima od 1980 MHz do 2010 MHz (smjer zemlja-nebo) i od 2170 MHz do 2200 MHz (smjer nebo-zemlja) – 2. dio: Korisnička oprema (UE) za širokopojasne sustave – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE



EN 302 574-3 V1.1.1:2010 en

Satellite Earth Stations and Systems (SES) – Harmonized Standard for satellite earth stations for MSS operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands – Part 3: User Equipment (UE) for narrowband systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje za MSS u frekvencijskim područjima od 1980 MHz do 2010 MHz (smjer zemlja-nebo) i od 2170 MHz do 2200 MHz (smjer nebo-zemlja) – 3. dio: Korisnička oprema (UE) za uskopojasne sustave – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

EN 302 645 V1.1.1:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Global Navigation Satellite Systems (GNSS) Repeaters – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Globalni navigacijski satelitski sustavi (GNSS) Repetitori – Harmonizirana europska norma EN obuhvaća bitne zahtjeve iz članka 3.2. direktive R&TTE

EN 302 665 V1.1.1:2010 en

Intelligent Transport Systems (ITS) – Communications Architecture

Inteligentni transportni sustavi (ITS) – Arhitektura komunikacija

EN 302 885-1 V0.0.3:2010 en

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Portable Very High Frequency (VHF) radiotelephone equipment for the maritime mobile service operating in the VHF bands with integrated handheld class D DSC – Part 1: Technical characteristics and methods of measurement

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Prijenosna radiotelefonska oprema vrlo visoke frekvencije (VHF) za pomorsku pokretnu službu koja radi u VHF pojasevima sa integriranim dlanovnikom klase D DSC

EN 302 977 V1.1.2:2010 en

Satellite Earth Stations and Systems (SES) – Harmonized EN for Vehicle-Mounted Earth Stations (VMES) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the R&TTE directive

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana europska norma EN za zemaljske postaje ugrađene u vozila (VMES) koje rade u frekvencijskom pojasu 14/12 GHz te obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE

### **HZN/TU B1, Graditeljstvo 1**

prEN 13200-1 rev en

Spectator facilities – Part 1: General characteristics for spectator viewing area

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

FprEN 15150 en

Solid biofuels – Determination of particle density

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

prEN ISO 14457 en

Dentistry – Handpieces and motors (ISO/DIS 14457:2011)

prEN ISO 21563 en

Dentistry – Hydrocolloid impression materials (ISO/DIS 21563:2011)

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

prEN 12312-2 rev en

Aircraft ground support equipment – Specific requirements – Part 2: Catering vehicles

prEN 12312-4 rev en

Aircraft ground support equipment – Specific requirements – Part 4: Passenger boarding bridges

prEN 12312-14 rev en

Aircraft ground support equipment – Specific requirements – Part 14: Disabled/incapacitated passenger boarding vehicles

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

FprEN 62641:2011 en

Conductors for overhead lines – Aluminium and aluminium alloy wires for concentric lay stranded conductors (IEC 62641:201X)

FprEN 62648:2011 en

Graphical symbols for use on equipment – Guidelines for the inclusion of graphical symbols in IEC publications (IEC 62648:201X)

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

FprEN 60297-3-107:2011 en

Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-107: Dimensions of subracks and plug-in units, small form factor (IEC 60297-3-107:201X)

FprEN 60512-1-100:2011 en

Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications (IEC 60512-1-100:201X)

FprEN 60793-2:2011 en

Optical fibres – Part 2: Product specifications – General (IEC 60793-2:201X)

FprEN 61076-2-101:2011 en

Connectors for electronic equipment – Product requirements – Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking (IEC 61076-2-101:201X)

FprEN 61076-3-110:2011 en

Connectors for electronic equipment – Product requirements – Part 3-110: Detail specification for shielded, free and fixed connectors for data transmission with frequencies up to 1000 MHz (IEC 61076-3-110:201X)

FprEN 61076-4-116:2011 en

Connectors for electronic equipment – Product requirements – Part 4-116: Printed board connectors – Detail specification for a high-speed two-part connector with integrated shielding function (IEC 61076-4-116:201X)

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

FprEN 60143-2:2011 en

Series capacitors for power systems – Part 2: Protective equipments for series capacitor banks (IEC 60143-2:201X)

FprEN 61029-2-8:2011 en

Safety of transportable motor-operated electric tools – Part 2-8: Particular requirements for single spindle vertical moulders (IEC 61029-2-8:1995, MOD+am1:1999, MOD+am2:2001, MOD)

## 1.4 Povučene hrvatske norme

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

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

- HRN EN ISO 5264-2:2003 en  
Pulpe — Laboratorijsko mljevenje — 2. dio : Metoda sa PFI mlinom (ISO 5264-2:2002; EN ISO 5264-2:2002)  
Pulps — Laboratory beating — Part 2: PFI mill method (ISO 5264-2:2002; EN ISO 5264-2:2002)  
- zamijenjena s: HRN EN ISO 5264-2:2011
- HRN EN ISO 7263:2009 en  
Valoviti sloj — Određivanje otpora valovitog sloja na pritisak poslije izrade valova u laboratoriju (ISO 7263:2008; EN ISO 7263:2008)  
Corrugating medium — Determination of the flat crush resistance after laboratory fluting (ISO 7263:2008; EN ISO 7263:2008)  
- zamijenjena s: HRN EN ISO 7263:2011
- HRN EN ISO 12625-8:2008 en  
Tanki upijajući papir (tissue) i proizvodi od tankoga upijajućeg papira — 8. dio: Vrijeme upijanja i kapacitet upijanja vode metodom uranjanja košarice (ISO 12625-8:2006; EN ISO 12625-8:2006+AC:2006)  
Tissue paper and tissue products — Part 8: Water-absorption time and water-absorption capacity, basket — Immersion test method (ISO 12625-8:2006; EN ISO 12625-8:2006+AC:2006)  
- zamijenjena s: HRN EN ISO 12625-8:2011

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

- HRN ISO 2709:1997 en  
Informacije i dokumentacija — Format za razmjenu podataka (ISO 2709:1996)  
Information and documentation — Format for information exchange (ISO 2709:1996)  
- zamijenjena s: HRN ISO 2709:2011
- HRN ISO 11620:2001 en  
Informacije i dokumentacija — Pokazatelji učinka knjižnica (ISO 11620:1998)  
Information and documentation — Library performance indicators (ISO 11620:1998)  
- zamijenjena s: HRN ISO 11620:2011
- HRN ISO 11620/Amd 1:2004 en  
Informacije i dokumentacija — Pokazatelji učinka knjižnica — AMANDMAN 1: Dodatni pokazatelji učinka knjižnica (ISO 11620:1998/Amd 1:2003)  
Information and documentation — Library performance indicators — AMENDMENT 1: Additional performance indicators for libraries (ISO 11620:1998/Amd 1:2003)  
- zamijenjena s: HRN ISO 11620:2011
- HRN ISO 15511:2004 en  
Informacije i dokumentacija — Međunarodni standardni identifikator za knjižnične i srodne ustanove (ISIL) (ISO 15511:2003)  
Information and documentation — International Standard Identifier for Libraries and Related Organizations (ISIL) (ISO 15511:2003)  
- zamijenjena s: HRN ISO 15511:2011
- HRI ISO/TR 15801:2008 en  
Digitalizacija — Digitalno pohranjene informacije — Preporuke za pouzdanost (ISO/TR 15801:2004)  
Electronic imaging — Information stored electronically — Recommendations for trustworthiness and reliability (ISO/TR 15801:2004)  
- zamijenjena s: HRI ISO/TR 15801:2011

- HRS ISO/TS 23081-2:2008 en  
Informacije i dokumentacija — Procesi rukovanja zapisima — Metapodaci za zapise — 2. dio: Načelna i implementacijska pitanja (ISO/TS 23081-2:2007)  
Information and documentation — Records management processes — Metadata for records — Part 2: Conceptual and implementation issues (ISO/TS 23081-2:2007)  
- zamijenjena s: HRN ISO 23081-2:2011

### HZN/TO 92, *Zaštita od požara*

- HRN EN 1366-4:2007 en  
Ispitivanja otpornosti servisnih instalacija na požar — 4. dio: Linearne spojne brtve (EN 1366-4:2006)  
Fire resistance tests for service installations — Part 4: Linear joint seals (EN 1366-4:2006)  
- zamijenjena s: HRN EN 1366-4:2011
- HRN EN ISO 1716:2002 en  
Ispitivanja reakcije na požar građevnih proizvoda — Određivanje toplinskog potencijala (ISO 1716:2002; EN ISO 1716:2002)  
Reaction to fire tests for building products — Determination of the heat of combustion (ISO 1716:2002; EN ISO 1716:2002)  
- zamijenjena s: HRN EN ISO 1716:2011
- HRN EN ISO 9239-1:2002 en  
Ispitivanja reakcije na požar podnih obloga — 1. dio: Određivanje ponašanja pri gorenju uporabom uređaja za zračenje topline (ISO 9239-1:2002; EN ISO 9239-1:2002)  
Reaction to fire tests for floorings — Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2002; EN ISO 9239-1:2002)  
- zamijenjena s: HRN EN ISO 9239-1:2011
- HRN EN ISO 11925-2:2002 en  
Ispitivanja reakcije na požar — Zapaljivost građevnih proizvoda izloženih izravnom djelovanju plamena — 2. dio: Ispitivanje pojedinačnim izvorom plamena (ISO 11925-2:2002; EN ISO 11925-2:2002)  
Reaction to fire tests — Ignitability of building products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO 11925-2:2002; EN ISO 11925-2:2002)  
- zamijenjena s: HRN EN ISO 11925-2:2011

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

- HRN EN ISO 12567-1:2002 en  
Toplinske značajke prozora i vrata — Određivanje prolaza topline metodom vruće komore — 1. dio: Prozori i vrata u cjelini (ISO 12567-1:2000; EN ISO 12567-1:2000)  
Thermal performance of windows and doors — Determination of thermal transmittance by hot box method — Part 1: Complete windows and doors (ISO 12567-1:2000; EN ISO 12567-1:2000)  
- zamijenjena s: HRN EN ISO 12567-1:2011

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

- HRN EN 408:2006 en  
Drvene konstrukcije — Konstrukcijsko drvo i lijepljeno lamelirano drvo — Određivanje fizikalnih i mehaničkih svojstava (EN 408:2003)  
Timber structures — Structural timber and glued laminated timber — Determination of some physical and mechanical properties (EN 408:2003)  
- zamijenjena s: HRN EN 408:2011

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

- HRN EN ISO 11986:2008 en  
Oftalmološka optika — Kontaktne leće i proizvodi za održavanje kontaktnih leća — Smjernice za određivanje djelovanja i slabljenja sredstava zaštite (ISO 11986:1999; EN ISO 11986:2000)

Ophthalmic optics — Contact lenses and contact lens care products — Guidelines for the determination of preservative uptake and release (ISO 11986:1999; EN ISO 11986:2000)

- zamijenjena s: HRN EN ISO 11986:2011

HRN EN 14139:2008 en

Oftalmološka optika — Specifikacije za gotove naočale (EN 14139:2002+AC:2006)

Ophthalmic optics — Specifications for ready-to-wear spectacles (EN 14139:2002+AC:2006)

- zamijenjena s: HRN EN 14139:2011

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

HRN EN 14085:2004 en

Elastične podne obloge — Specifikacija za podne ploče za slobodno polaganje (EN 14085:2003)

Resilient floor coverings — Specification for floor panels for loose laying (EN 14085:2003)

- zamijenjena s: HRN EN 14085:2011

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

HRN EN 1057:2008 en

Bakar i legure bakra — Bešavne, okrugle bakrene cijevi za vodu i plin za sanitarnu primjenu i grijanje (EN 1057:2006)

Copper and copper alloys — Seamless, round copper tubes for water and gas in sanitary and heating applications (EN 1057:2006)

- zamijenjena s: HRN EN 1057:2011

HRN EN ISO 9445:2008 en

Kontinuirano hladno valjane uske trake, široke trake, ploče/limovi i odresci od nehrđajućeg čelika — Dozvoljena odstupanja dimenzija i oblika (ISO 9445:2002; EN ISO 9445:2006)

Continuously cold-rolled stainless steel narrow strip, wide strip, plate/sheet and cut lengths — Tolerances on dimensions and form (ISO 9445:2002; EN ISO 9445:2006)

- bez zamjene

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

HRN CR 13910:2004 en

Ambalaža — Izvještaj o kriterijima i metodologijama analiza životnog vijeka ambalaže (CR 13910:2000)

Packaging — Report on criteria and methodologies for life cycle analysis of packaging (CR 13910:2000)

- zamijenjena s: HRI CEN/TR 13910:2011

HRN EN 14634:2005 en

Staklena ambalaža — Krunsko grlo 26 H 180 — Dimenzije (EN 14634:2004)

Glass packaging — 26 H 180 crown finish — Dimensions (EN 14634:2004)

- zamijenjena s: HRN EN 14634:2011

HRN EN 14635:2008 en

Staklena ambalaža — Krunsko grlo 26 H 126 — Dimenzije (EN 14635:2004)

Glass packaging — 26 H 126 crown finish — Dimensions (EN 14635:2004)

- zamijenjena s: HRN EN 14635:2011

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

HRN EN 12966-1:2007 en

Vertikalna prometna signalizacija — Promjenjivi prometni znakovi — 1. dio: Norma za proizvod (EN 12966-1:2005)

Road vertical signs — Variable message traffic signs — Part 1: Product standard (EN 12966-1:2005)

- zamijenjena s: HRN EN 12966-1:2011

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

HRN EN 13798:2004 en

Hidrometrija — Specifikacija za referencijsko mjerilo oborina (EN 13798:2002)

Hydrometry — Specification for a reference rain gauge pit (EN 13798:2002)

- zamijenjena s: HRN EN 13798:2011

### **HZN/TO 513/PO 4, Mjerne jedinice i mjerila; Mjerila toplinske energije, termometri**

HRN EN 12470-1:2005 en

Medicinski termometri — 1. dio: Stakleni termometri punjeni metalnom tekućinom s napravom za pokazivanje najviše temperature (EN 12470-1:2000)

Clinical thermometers — Part 1: Metallic liquid in glass thermometers with maximum device (EN 12470-1:2000)

- zamijenjena s: HRN EN 12470-1:2011

HRN EN 12470-2:2005 en

Medicinski termometri — 2. dio: Termometri s promjenom faze (dot matrix) (EN 12470-2:2000)

Clinical thermometers — Part 2: Phase change type (dot matrix) thermometers (EN 12470-2:2000)

- zamijenjena s: HRN EN 12470-2:2011

HRN EN 12470-3:2005 en

Medicinski termometri — 3. dio: Zahtjevi za cjelovite električne termometre za mjerenje najviše temperature ljudskoga tijela (termometri sa sklopom za predviđanje temperature, kao i termometri bez tog sklopa) (EN 12470-3:2000)

Clinical thermometers — Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device (EN 12470-3:2000)

- zamijenjena s: HRN EN 12470-3:2011

HRN EN 12470-4:2005 en

Medicinski termometri — 4. dio: Električni termometri za neprekidno mjerenje temperature (EN 12470-4:2000)

Clinical thermometers — Part 4: Performance of electrical thermometers for continuous measurement (EN 12470-4:2000)

- zamijenjena s: HRN EN 12470-4:2011

### **HZN/TO 521, Usluge održavanja**

HRN EN 13306:2004 hr,en,fr,de

Nazivlje u održavanju (EN 13306:2001)

Maintenance terminology (EN 13306:2001)

- zamijenjena s: HRN EN 13306:2011

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

HRS CEN ISO/TS 14907-1:2008 en

Cestovni prijevoz i prometna telematika — Elektronička naplata — Postupci ispitivanja za korisnika i ugrađena oprema — 1. dio: Opis postupaka ispitivanja (ISO/TS 14907-1:2005; CEN ISO/TS 14907-1:2005)

Road transport and traffic telematics — Electronic fee collection — Test procedures for user and fixed equipment — Part 1: Description of test procedures (ISO/TS 14907-1:2005; CEN ISO/TS 14907-1:2005)

- zamijenjena s: HRS CEN ISO/TS 14907-1:2011

HRS CEN ISO/TS 24534-1:2008 en

Automatic vehicle and equipment identification — Electronic Registration Identification (ERI) for vehicles — Part 1: Architecture (ISO/TS 24534-1:2007; CEN ISO/TS 24534-1:2007)

- zamijenjena s: HRN EN ISO 24534-1:2011

HRS CEN ISO/TS 24534-2:2008 en

Automatic vehicle and equipment identification — Electronic Registration Identification (ERI) for vehicles — Part 2: Operational requirements (ISO/TS 24534-2:2007; CEN ISO/TS 24534-2:2007)

- zamijenjena s: HRN EN ISO 24534-2:2011

HRS CEN ISO/TS 24534-3:2008 en

Automatic vehicle and equipment identification — Electronic Registration Identification (ERI) for vehicles — Part 3: Vehicle data (ISO/TS 24534-3:2008; CEN ISO/TS 24534-3:2008)

- zamijenjena s: HRN EN ISO 24534-3:2011

HRS CEN ISO/TS 24534-4:2008 en  
Automatic vehicle and equipment identification –  
Electronic Registration Identification (ERI) for vehicles  
– Part 4: Secure communications using asymmetrical  
techniques (ISO/TS 24534-4:2008;  
CEN ISO/TS 24534-4:2008)  
- zamijenjena s: HRN EN ISO 24534-4:2011

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

HRN EN 1110:2003 en  
Savitljive hidroizolacijske trake – Bitumenske  
hidroizolacijske trake za krovove – Određivanje  
postojanosti pri povišenoj temperaturi  
(EN 1110:1999)  
Flexible sheets for waterproofing – Bitumen sheets for  
roof waterproofing – Determination of flow resistance  
at elevated temperature (EN 1110:1999)  
- zamijenjena s: HRN EN 1110:2011

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

HRN EN 13074:2002 en  
Naftni proizvodi – Bitumen i bitumenska veziva –  
Izdvajanje veziva iz bitumenske emulzije isparavanjem  
(EN 13074:2002)  
Petroleum products – Bitumen and bituminous  
binders – Recovery of binder from bitumen emulsions  
by evaporation (EN 13074:2002)  
- zamijenjena s: HRN EN 13074-1:2011

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

HRN EN ISO 3381:2007 en  
Oprema za željeznice – Akustika – Mjerenje buke u  
željezničkim vozilima (ISO 3381:2005;  
EN ISO 3381:2005)  
Railway applications – Acoustics – Measurement of  
noise inside railbound vehicles (ISO 3381:2005;  
EN ISO 3381:2005)  
- zamijenjena s: HRN EN ISO 3381:2011

HRN EN 13262:2009 en  
Oprema za željeznice – Osovinski sklopovi i okretna  
postolja – Kotači – Zahtjevi za proizvod  
(EN 13262:2004+A1:2008)  
Railway applications – Wheelsets and bogies – Wheels  
– Product requirements (EN 13262:2004+A1:2008)  
- zamijenjena s: HRN EN 13262:2011

HRN EN 13979-1:2009 en  
Oprema za željeznice – Osovinski sklopovi i okretna  
postolja – Monoblok kotači – Postupak tehničkog  
usvajanja – 1. dio: Kovani i valjani kotači  
(EN 13979-1:2003+A1:2009)  
Railway applications – Wheelsets and bogies –  
Monobloc wheels – Technical approval procedure  
– Part 1: Forged and rolled wheels  
(EN 13979-1:2003+A1:2009)  
- zamijenjena s: HRN EN 13979-1:2011

HRN EN 14601:2008 en  
Oprema za željeznice – Ravna i kutna završna crijeva  
za slavine kočnice i glavnog spremnika zraka  
(EN 14601:2005)  
Railway applications – Straight and angled end cocks  
for brake pipe and main reservoir pipe  
(EN 14601:2005)  
- zamijenjena s: HRN EN 14601:2011

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

HRN ISO 1275:2004 en  
Dugočlani valjčasti precizni lanci i lančanici za pogone  
i konveje (ISO 1275:1995)  
Double-pitch precision roller chains and sprockets for  
transmission and conveyors (ISO 1275:1995)  
- zamijenjena s: HRN ISO 1275:2011

HRN ISO 1977:2004 en  
Lanci za konveje, nosive spojnice i lančanici  
(ISO 1977:2000)  
Conveyor chains, attachments and sprockets  
(ISO 1977:2000)  
- zamijenjena s: HRN ISO 1977:2011

HRN ISO 2408:2000 en  
Čelična užad za opće namjene – Značajke  
(ISO 2408:1985)  
Steel wire ropes for general purposes – Characteristics  
(ISO 2408:1985)  
- zamijenjena s: HRN EN 2408:2011

HRN ISO 2415:2000 en  
Kovane karike za opće namjene dizanja – Ravne i  
svinute karike (ISO 2415:1987)  
Forged shackles for general lifting purposes – Dee  
shackles and bow shackles (ISO 2415:1987)  
- zamijenjena s: HRN ISO 2415:2011

HRN ISO 3266:2000 en  
Svorni nosači za opće namjene dizanja – Značajke  
(ISO 3266:1984)  
Eyebolts for general purposes – Characteristics  
(ISO 3266:1984)  
- zamijenjena s: HRN EN ISO 3266:2011

HRN ISO 4344:2000 en  
Čelična užad za dizala (ISO 4344:1983)  
Steel wire ropes for lifts (ISO 4344:1983)  
- zamijenjena s: HRN ISO 4344:2011

HRN ISO 10190:2004 en  
Lanci za motocikle – Značajke i metode ispitivanja  
(ISO 10190:1992)  
Motor cycle chains – Characteristics and test methods  
(ISO 10190:1992)  
- zamijenjena s: HRN ISO 10190:2011

HRN EN 12195-1:2004 en  
Sustav pričvršćenja tereta na cestovnim vozilima –  
Sigurnost – 1. dio: Proračun sila vezivanja  
(EN 12195-1:2003)  
Load restraint assemblies on road vehicles – Safety  
– Part 1: Calculation of lashing forces  
(EN 12195-1:2003)  
- zamijenjena s: HRN EN 12195-1:2011

HRN EN 13411-4:2008 en  
Završetci čeličnih užadi – Sigurnost – 4. dio: Metalni  
i plastični zaliveni završeci  
(EN 13411-4:2002+A1:2008)  
Terminations for steel wire ropes – Safety – Part 4: Metal  
and resin socketing (EN 13411-4:2002+A1:2008)  
- zamijenjena s: HRN EN 13411-4:2011

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

HRN EN 12115:2008 en  
Gumena i plastomerna crijeva i crijevni uređaji za  
kapljevite ili plinovite kemikalije – Specifikacija  
(EN 12115:1999)  
Rubber and thermoplastics hoses and hose assemblies  
for liquid or gaseous chemicals – Specification  
(EN 12115:1999)  
- zamijenjena s: HRN EN 12115:2011

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

HRN EN 1113:2008 en  
Sanitarne armature – Crijeva za tuš za sanitarne  
armature za vodoopskrbne sustave tip 1 i tip 2 – Opća  
tehnička specifikacija (EN 1113:2008)  
Sanitary tapware – Shower hoses for sanitary tapware  
for water supply systems of type 1 and type 2 –  
General technical specification (EN 1113:2008)  
- zamijenjena s: HRN EN 1113:2011

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

HRN EN 28394:2008 en  
Gradnja zgrada – Proizvodi za spajanje – Određivanje svojstva istiskivanja jednokomponentnih brtvila (ISO 8394:1988; EN 28394:1990)  
Building construction – Jointing products – Determination of extrudability of one-component sealants (ISO 8394:1988; EN 28394:1990)  
- zamijenjena s: HRN EN ISO 8394-1:2011

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

HRN EN 12566-3:2005 en  
Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 3. dio: Tvornički izrađen i/ili na objektu sastavljen uređaj za obradu sanitarnih otpadnih voda (EN 12566-3:2005)  
Small wastewater treatment systems for up to 50 PT – Part 3: Packaged and/or site assembled domestic wastewater treatment plants (EN 12566-3:2005)  
- zamijenjena s: HRN EN 12566-3:2011

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

HRN EN ISO 11737-2:2006 en  
Sterilizacija medicinskoga pribora – Mikrobiološke metode – 2. dio: Ispitivanja sterilnosti koja se izvode pri validaciji procesa sterilizacije (ISO 11737-2:1998; EN ISO 11737-2:2000)  
Sterilization of medical devices – Microbiological methods – Part 2: Tests of sterility performed in the validation of a sterilization process (ISO 11737-2:1998; EN ISO 11737-2:2000)  
- zamijenjena s: HRN EN ISO 11737-2:2011

## **HZN/TO 557, *Zaštitna odjeća***

HRN EN 420:2004 en  
Zaštitne rukavice – Opći zahtjevi i ispitne metode (EN 420:2003)  
Protective gloves – General requirements and test methods (EN 420:2003)  
- zamijenjena s: HRN EN 420:2011

HRN EN 420:2004/AC:2007 en  
Zaštitne rukavice – Opći zahtjevi i ispitne metode (EN 420:2003/AC:2006)  
Protective gloves – General requirements and test methods (EN 420:2003/AC:2006)  
- zamijenjena s: HRN EN 420:2011

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

HRN ISO 13720:1999 en  
Meso i mesni proizvodi – Brojenje *Pseudomonas* spp. (ISO 13720:1995)  
Meat and meat products – Enumeration of *Pseudomonas* spp. (ISO 13720:1995)  
- zamijenjena s: HRN EN ISO 13720:2011

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

HRN IEC 61643-12:2007 en  
Odvodnici prenapona i udarnih struja za niski napon – 12. dio: Odvodnici prenapona i udarnih struja za niskonaponske distribucijske mreže – Izbor i načela uporabe (IEC 61643-12:2002)  
Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power distribution systems – Selection and application principles (IEC 61643-12:2002)  
- zamijenjena s: HRS CLC/TS 61643-12:2008

HRS CLC/TS 61643-12:2008 en  
Prenaponske zaštitne naprave za niski napon – 12. dio: Prenaponske zaštitne naprave spojene na niskonaponske energetske sustave – Načela odabira i primjene (IEC 61643-12:2002, MOD; CLC/TS 61643-12:2006)

Low-voltage surge protective devices – Part 12: Surge protective devices connected to low-voltage power systems – Selection and application principles (IEC 61643-12:2002, MOD; CLC/TS 61643-12:2006)  
- zamijenjena s: HRS CLC/TS 61643-12:2011

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

HRN IEC 60987:2008 en  
Nuklearne elektrane – Instrumentacija i upravljanje važni za sigurnost – Projektni zahtjevi hardvera za sustave bazirane na računalima (IEC 60987:2007)  
Nuclear power plants – Instrumentation and control important to safety – Hardware design requirements for computer-based systems (IEC 60987:2007)  
- zamijenjena s: HRN EN 60987:2011

HRN IEC 62340:2008 en  
Nuklearne elektrane – Instrumentacija i sustavi upravljanja važni za sigurnost – Zahtjevi za postupanje s kvarom zajedničkog uzroka (IEC 62340:2007)  
Nuclear power plants – Instrumentation and control systems important to safety – Requirements for coping with common cause failure (CCF) (IEC 62340:2007)  
- zamijenjena s: HRN EN 62340:2011

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

HRN EN 131-2:2008 en  
Ladders – Requirements, testing, marking (EN 131-2:1993+AC:1993)  
- zamijenjena s: HRN EN 131-2:2011

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

HRN EN ISO 5840:2008 en  
Cardiovascular implants – Cardiac valve prostheses (ISO 5840:2005; EN ISO 5840:2005)  
- zamijenjena s: HRN EN ISO 5840:2011

HRN EN ISO 7197:2008 en  
Neurosurgical implants – Sterile, single-use hydrocephalus shunts and components (ISO 7197:2006+Cor 1:2007; EN ISO 7197:2006+AC:2008)  
- zamijenjena s: HRN EN ISO 7197:2011

HRN EN ISO 7439:2008 en  
Copper-bearing intra-uterine contraceptive devices – Requirements, tests (ISO 7439:2002; EN ISO 7439:2002)  
- zamijenjena s: HRN EN ISO 7439:2011

HRN EN ISO 9713:2008 en  
Neurosurgical implants – Self-closing intracranial aneurysm clips (ISO 9713:2002; EN ISO 9713:2004)  
- zamijenjena s: HRN EN ISO 9713:2011

HRN EN ISO 10555-1:2008 en  
Sterile, single-use intravascular catheters – Part 1: General requirements (ISO 10555-1:1995+Amd 1:1999+Amd 2:2004; EN ISO 10555-1:1996+A1:1999+A2:2004)  
- zamijenjena s: HRN EN ISO 10555-1:2011

HRN EN 12006-2:2008 en  
Non active surgical implants – Particular requirements for cardiac and vascular implants – Part 2: Vascular prostheses including cardiac valve conduits (EN 12006-2:1998)  
- zamijenjena s: HRN EN 12006-2:2011

HRN EN 13867:2008 en  
Concentrates for haemodialysis and related therapies (EN 13867:2002)  
- zamijenjena s: HRN EN 13867:2011

HRN EN ISO 14607:2008 en  
Non-active surgical implants – Mammary implants – Particular requirements (ISO 14607:2007; EN ISO 14607:2007)  
- zamijenjena s: HRN EN ISO 14607:2011

- HRN EN ISO 14630:2008 en  
Non-active surgical implants – General requirements (ISO 14630:2008; EN ISO 14630:2008)  
- zamijenjena s: HRN EN ISO 14630:2011
- HRN EN ISO 21534:2008 en  
Non-active surgical implants – Joint replacement implants – Particular requirements (ISO 21534:2007; EN ISO 21534:2007)  
- zamijenjena s: HRN EN ISO 21534:2011
- HRN EN ISO 21535:2008 en  
Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants (ISO 21535:2007; EN ISO 21535:2007)  
- zamijenjena s: HRN EN ISO 21535:2011
- HRN EN ISO 21536:2008 en  
Non-active surgical implants – Joint replacement implants – Specific requirements for knee-joint replacement implants (ISO 21536:2007; EN ISO 21536:2007)  
- zamijenjena s: HRN EN ISO 21536:2011
- HRN EN ISO 25539-2:2008 en  
Cardiovascular implants – Endovascular devices – Part 2: Vascular stents (ISO 25539-2:2008; EN ISO 25539-2:2008)  
- zamijenjena s: HRN EN ISO 25539-2:2011

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

- HRN EN 2283:2008 en  
Aerospace series – Testing of aircraft wiring (EN 2283:1996)  
- zamijenjena s: HRN EN 2283:2011
- HRN EN 2997-009:2008 en  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 009: Protective cover for receptacle – Product standard (EN 2997-009:2006)  
- zamijenjena s: HRN EN 2997-009:2011
- HRN EN 2997-010:2008 en  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 010: Protective cover for plug – Product standard (EN 2997-010:2006)  
- zamijenjena s: HRN EN 2997-010:2011
- HRN EN 2997-011:2008 en  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures – 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 011: Dummy receptacle – Product standard (EN 2997-011:2006)  
- zamijenjena s: HRN EN 2997-011:2011
- HRN EN 3155-026:2008 en  
Aerospace series – Electrical contacts used in elements of connection – Part 026: Contacts, electrical, male, type A, crimp, class R – Product standard (EN 3155-026:2006+AC:2006)  
- zamijenjena s: HRN EN 3155-026:2011
- HRN EN 3264:2008 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Thrust wire nuts (EN 3264:2001)  
- zamijenjena s: HRN EN 3264:2011
- HRN EN 3274:2008 en  
Aerospace series – Pipe coupling 8°30' – Thread end – Geometric configuration (EN 3274:2001)  
- zamijenjena s: HRN EN 3274:2011

- HRN EN 3475-100:2008 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 100: General (EN 3475-100:2002)  
- zamijenjena s: HRN EN 3475-100:2011
- HRN EN 3475-307:2008 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 307: Corona extinction voltage (EN 3475-307:2005)  
- zamijenjena s: HRN EN 3475-307:2011
- HRN EN 3475-604:2008 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 604: Resistance to dry arc propagation (EN 3475-604:2002)  
- zamijenjena s: HRN EN 3475-604:2011
- HRN EN 3475-605:2008 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 605: Wet short circuit test (EN 3475-605:2002)  
- zamijenjena s: HRN EN 3475-605:2011
- HRN EN 3719:2008 en  
Aerospace series – Aluminium or aluminium alloy conductors for electrical cables – Product standard (EN 3719:2005)  
- zamijenjena s: HRN EN 3719:2011
- HRN EN 4023:2008 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 45° (EN 4023:2001)  
- zamijenjena s: HRN EN 4023:2011
- HRN EN 4025:2008 en  
Aerospace series – Pipe coupling 8°30' in titanium alloy – Elbows 45°, bulkhead (EN 4025:2001)  
- zamijenjena s: HRN EN 4025:2011
- HRN EN 4115:2008 en  
Aerospace series – Cushion, rubber for clamps – Dimensions, masses (EN 4115:2001)  
- zamijenjena s: HRN EN 4115:2011
- HRN EN 9110:2008 en  
Aerospace series – Quality systems – Model for quality assurance applicable to maintenance organizations (EN 9110:2005)  
- zamijenjena s: HRN EN 9110:2011
- HRN EN 9120:2008 en  
Aerospace series – Quality management systems – Requirements for stockist distributors (based on ISO 9001:2000) (EN 9120:2005)  
- zamijenjena s: HRN EN 9120:2011

## **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.

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

#### **• umjesto**

- HRN EN 378-2:2010  
Rashladni sustavi i dizalice topline – Sigurnosni i ekološki zahtjevi – 2. dio: Projektiranje, izvedba, ispitivanje, označavanje i dokumentacija (EN 378-2:2008+A1:2009)  
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 2: Design, construction, testing, marking and documentation (EN 378-2:2008+A1:2009)

• **treba biti**

- HRN EN 378-2:2010  
Rashladni sustavi i dizalice topline — Zahtjevi s obzirom na sigurnost i okoliš — 2. dio: Projektiranje, izvedba, ispitivanje, označavanje i dokumentacija (EN 378-2:2008+A1:2009)  
Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and documentation (EN 378-2:2008+A1:2009)

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

• **umjesto**

- HRN EN ISO 13709:2010 en  
Industriju nafte, petrokemije i prirodnog plina — Centrifugalne pumpe za industriju nafte, petrokemije i prirodnog plina (ISO 13709:2009; EN ISO 13709:2009)  
Centrifugal pumps for petroleum, petrochemical and natural gas industries (ISO 13709:2009; EN ISO 13709:2009)

• **treba biti**

- HRN EN ISO 13709:2010 en  
Centrifugalne pumpe za industriju nafte, petrokemije i prirodnog plina (ISO 13709:2009; EN ISO 13709:2009)  
Centrifugal pumps for petroleum, petrochemical and natural gas industries (ISO 13709:2009; EN ISO 13709:2009)

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

• **umjesto**

- HRN ISO 17893:2004  
Čelična užad — Rječnik, označavanje i razredba (ISO 17893:2004)  
Steel wire ropes — Vocabulary, designations and classifications (ISO 17893:2004)

• **treba biti**

- HRN ISO 17893:2004  
Čelična užad — Terminološki rječnik, označavanje i razredba (ISO 17893:2004)  
Steel wire ropes — Vocabulary, designations and classifications (ISO 17893:2004)

**1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku**

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

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

- HRN EN 15947-1:2010  
Pirotehnički proizvodi — Vatrometi, kategorije 1, 2 i 3 — 1. dio: Nazivlje (EN 15947-1:2010)  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 1: Terminology (EN 15947-1:2010)
- HRN EN 15947-2:2010  
Pirotehnički proizvodi — Vatrometi, kategorije 1, 2 i 3 — 2. dio: Kategorije i tipovi vatrometa (EN 15947-2:2010)  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 2: Categories and types of firework (EN 15947-2:2010)

- HRN EN 15947-3:2010  
Pirotehnički proizvodi — Vatrometi, kategorije 1, 2 i 3 — 3. dio: Osnovni zahtjevi za označavanje (EN 15947-3:2010)  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 3: Minimum labelling requirements (EN 15947-3:2010)
- HRN EN 15947-4:2010  
Pirotehnički proizvodi — Vatrometi, kategorije 1, 2 i 3 — 4. dio: Metode ispitivanja (EN 15947-4:2010)  
Pyrotechnic articles — Fireworks, Categories 1, 2 and 3 — Part 4: Test methods (EN 15947-4:2010)
- HRN EN 15947-5:2010  
Pirotehnički proizvodi — Vatrometi, kategorije 1, 2 i 3 — 5. dio: Zahtjevi za konstrukciju i svojstva (EN 15947-5:2010)  
Pyrotechnic articles — Fireworks, Categories 1, 2, and 3 — Part 5: Requirements for construction and performance (EN 15947-5:2010)

**HZN/TO 528, Oprema za željeznice**

- HRN EN 14067-6:2011  
Oprema za željeznice — Aerodinamika — 6. dio: Zahtjevi i postupci ispitivanja za udare bočnog vjetro (EN 14067-6:2010)  
Railway applications — Aerodynamics — Part 6: Requirements and test procedures for cross wind assessment (EN 14067-6:2010)

**HZN/TO 550, Opskrba vodom**

- HRN EN 15796:2010  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje — Kalcijev hipoklorit (EN 15796:2010)  
Chemicals used for treatment of swimming pool water — Calcium hypochlorite (EN 15796:2010)
- HRN EN 15797:2010  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje — Koagulanti na bazi željeza (EN 15797:2010)  
Chemicals used for the treatment of swimming pool water — Iron based coagulants (EN 15797:2010)
- HRN EN 15798:2010  
Proizvodi koji se upotrebljavaju u obradi vode bazena za plivanje — Filtarski materijal (EN 15798:2010)  
Products used for the treatment of swimming pool water — Filter media (EN 15798:2010)
- HRN EN 15799:2010  
Kemikalije koje se upotrebljavaju u obradi vode bazena za plivanje — Aktivni ugljen u prahu (EN 15799:2010)  
Products used for treatment of swimming pool water — Powdered activated carbon (EN 15799:2010)

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

- HRN EN 61557-8:2009  
Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje — Oprema za ispitivanje, mjerenje ili nadzor zaštitnih mjera — 8. dio: Naprave za nadzor izolacije za IT sustave (IEC 61557-8:2007+Corr.:2007; EN 61557-8:2007)  
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. — Equipment for testing, measuring or monitoring of protective measures — Part 8: Insulation monitoring devices for IT systems (IEC 61557-8:2007+Corr.:2007; EN 61557-8:2007)

## HZNTO T4, Normizacija u telekomunikacijama

HRN ETS 300 460 V1:2010

Satelitske zemaljske postaje i sustavi (SES) – Pomorske pokretne zemaljske postaje (MMES) u frekvencijskim pojasevima 1,5/1,6 GHz omogućuju podatkovnu komunikaciju niske brzine prijenosa podataka (LBRDC) za globalne pomorske izvanredne i sigurnosne sustave (GMDSS) – Tehničke karakteristike i metode mjerenja (ETS 300 460 ed.1:1996+A1:1997)

Satellite Earth Stations and Systems (SES) – Maritime Mobile Earth Stations (MMES) operating in the 1,5/1,6 GHz bands providing Low Bit Rate Data Communications (LBRDC) for the Global Maritime Distress and Safety System (GMDSS) – Technical characteristics and methods of measurement (ETS 300 460 ed.1:1996+A1:1997)

HRN ETS 300 441 V1:2010

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke karakteristike i metode mjerenja za pomorske radiotelefone nadzorne prijamnike koji rade na pozivnoj frekvenciji za pomoć od 2182 kHz (ETS 300 441 ed.1:1996+A1:1998)

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for maritime radiotelephone watch receivers for the distress and calling frequency 2182 kHz (ETS 300 441 ed.1:1996+A1:1998)

HRN ETS 300 197 V1:2010

Prijenos i multipleksiranje (TM) – Parametri radiorelejnih sustava za prijenos digitalnih signala i analognih video signala na 38 GHz (ETS 300 197 ed.1:1994+A1:1995+A2:1997)

Transmission and Multiplexing (TM) – Parameters for radio relay systems for the transmission of digital signals and analogue video signals operating at 38 GHz (ETS 300 197 ed.1:1994+A1:1995+A2:1997)

HRN TBR 022 V1:2010

Radiooprema i sustavi (RES) – Dodatni zahtjevi za terminalnu opremu digitalnih poboljšanih bežičnih telekomunikacija (DECT) koja primjenjuje generički pristupni profil (GAP) (TBR 022 ed.1:1997+A1:1998)

Radio Equipment and Systems (RES) – Attachment requirements for terminal equipment for Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) applications (TBR 022 ed.1:1997+A1:1998)

HRN TBR 014 V1:2010

Poslovne telekomunikacije (BTC) – 64 kbit/s digitalni neograničavajući iznajmljeni vod s integracijom okteta (D64U) – Dodatni zahtjevi za sučelje terminalne opreme (TBR 014 ed.1:1994+A1:1996)

Business Telecommunications (BTC) – 64 kbit/s digital unrestricted leased line with octet integrity (D64U) – Attachment requirements for terminal equipment interface (TBR 014 ed.1:1994+A1:1996)

HRN TBR 012 V1:2010

Poslovne telekomunikacije (BTC) – Tehnički zahtjevi mreže s otvorenim pristupom – 2048 kbit/s digitalni nestrukturirani iznajmljeni vod (D2048U) – Dodatni zahtjevi za sučelje terminalne opreme (TBR 012 ed.1:1993+A1:1996)

Business Telecommunications (BTC) – Open Network Provision (ONP) technical requirements – 2048 kbit/s digital unstructured leased line (D2048U) – Attachment requirements for terminal equipment interface (TBR 012 ed.1:1993+A1:1996)

HRN TBR 011 V1:2010

Digitalne, poboljšane, bežične telekomunikacije (DECT) – Dodatni zahtjevi za terminalnu opremu koja primjenjuje DECT javni pristupni profil (PAP) (TBR 011 ed.1:1994+A1:1995)

Digital Enhanced Cordless Telecommunications (DECT) – Attachment requirements for terminal equipment for DECT Public Access Profile (PAP) applications (TBR 011 ed.1:1994+A1:1995)

HRN TBR 004 V1:2010

Digitalna mreža integriranih usluga (ISDN) – Dodatni zahtjevi za terminalnu opremu za spajanje na ISDN mrežu s primarnom brzinom ISDN pristupa (TBR 004 ed.1:1995+A1:1997)

Integrated Services Digital Network (ISDN) – Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access (TBR 004 ed.1:1995+A1:1997)

HRN TBR 003 V1:2010

Digitalna mreža integriranih usluga (ISDN) – Dodatni zahtjevi za terminalnu opremu za spajanje na ISDN mrežu s osnovnom brzinom ISDN pristupa (TBR 003 ed.1:1995+A1:1997)

Integrated Services Digital Network (ISDN) – Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic access (TBR 003 ed.1:1995+A1:1997)

## HZNTU W1, Energetska elektrotehnika 1

HRN EN 61558-1:2009

Sigurnost energetskih transformatora, mrežnih opskrbenih jedinica, prigušnica i sličnih proizvoda – 1. dio: Opći zahtjevi i ispitivanja (IEC 61558-1:2005; EN 61558-1:2005)

Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests (IEC 61558-1:2005; EN 61558-1:2005)



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

### **01.040.11 Tehnologija zdravstvene skrbi (Rječnici)**

#### **Europska normizacija**

EN ISO 1942:2010  
Dentistry – Vocabulary (ISO 1942:2009, Corrected version 2010-03-01)

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

#### **Međunarodna normizacija (IEC)**

IEC 60050-802:2011  
International Electrotechnical Vocabulary – Part 802: Ultrasonics

### **01.040.25 Proizvodna tehnika (Rječnici)**

#### **Europska normizacija**

EN ISO 4063:2010  
Welding and allied processes – Nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)

### **01.040.27 Prijenos energije i topline (Rječnici)**

#### **Međunarodna normizacija (ISO)**

ISO 7967-2:2010  
Reciprocating internal combustion engines – Vocabulary of components and systems – Part 2: Main running gear

#### **Europska normizacija**

EN 378-1:2008+A1:2010  
Refrigerating systems and heat pumps Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria

### **01.040.29 Elektrotehnika (Rječnici)**

#### **Međunarodna normizacija (IEC)**

IEC 60050-802:2011  
International Electrotechnical Vocabulary – Part 802: Ultrasonics

### **01.040.77 Metalurgija (Rječnici)**

#### **Međunarodna normizacija (ISO)**

ISO 28401:2010  
Light metals and their alloys – Titanium and titanium alloys – Classification and terminology

### **01.080.10 Znakovi za javne obavijesti**

#### **Međunarodna normizacija (ISO)**

ISO 7010:2003/Amd 7:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas; Amendment 7

### **01.080.20 Grafički znakovi za uporabu na posebnoj opremi**

#### **Međunarodna normizacija (ISO)**

ISO 6405-1:2004/Amd 1:2010  
Earth-moving machinery – Symbols for operator controls and other displays – Part 1: Common symbols – Amendment 1: Additional symbols

ISO 7010:2003/Amd 7:2010  
Graphical symbols – Safety colours and safety signs – Safety signs used in workplaces and public areas; Amendment 7

### **01.080.50 Grafički znakovi za uporabu u tehničkim crtežima u informatičkoj tehnici i telekomunikacijama i odgovarajućoj dokumentaciji o tehničkome proizvodu**

#### **Međunarodna normizacija (ISO)**

ISO/IEC 16022:2006/Cor 2:2011  
Information technology – Automatic identification and data capture techniques – Data Matrix bar code symbology specification; Technical Corrigendum 2

### **01.100.25 Crteži u elektrotehnici i elektronici**

#### **Međunarodna normizacija (IEC)**

IEC 60191-6-17:2011  
Mechanical standardization of semiconductor devices – Part 6-17: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guide for stacked packages – Fine-pitch ball grid array and fine-pitch land grid array (P-PFBGA and P-PFLGA)

### **01.120 Normizacija. Opća pravila**

#### **Europska normizacija**

CEN/CLC Guide 18:2010  
Execution of Specific Agreements issued to CEN and CENELEC in accordance with the EC and EFTA Framework Partnership Agreements 2009 (FPA 2009) covering the tasks to be assigned to CEN and CENELEC relating to European standardization

CEN/CLC Guide 19:2010  
Guidelines for the administration of Specific Agreements by National Members including principles for subcontracting

### **01.140.20 Informacijske znanosti**

#### **Međunarodna normizacija (ISO)**

ISO/TR 13028:2010  
Information and documentation – Implementation guidelines for digitization of records

ISO 16175-1:2010  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 1: Overview and statement of principles

ISO 16175-3:2010  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 3: Guidelines and functional requirements for records in business systems

### 03.080.99 Ostale usluge

#### Međunarodna normizacija (ISO)

ISO/IEC TR 20000-4:2010  
Information technology — Service management —  
Part 4: Process reference model

### 03.100.30 Upravljanje ljudskim vrelima

#### Međunarodna normizacija (ISO)

ISO/IEC TR 24725-3:2010  
Information technology for learning, education  
and training — Supportive technology and specific  
integration — Part 3: Platform and Media Taxonomy  
(PMT)

ISO/IEC 19788-1:2011  
Information technology — Learning, education and  
training — Metadata for learning resources — Part 1:  
Framework

### 03.100.99 Druge norme koje se odnose na ustrojstvo poduzeća i upravljanje poduzećem

#### Europska normizacija

CEN/CLC Guide 19:2010  
Guidelines for the administration of Specific  
Agreements by National Members including principles  
for subcontracting

### 03.120.30 Primjena statističkih metoda

#### Međunarodna normizacija (ISO)

ISO/TR 14468:2010  
Selected illustrations of attribute agreement analysis

### 03.220.01 Prijevoz općenito

#### Međunarodna normizacija (ISO)

ISO 21216:2011  
Intelligent transport systems — Wireless communi-  
cations — CALM using millimetre communications  
— Air interface

### 03.220.20 Cestovni prijevoz

#### Međunarodna normizacija (ISO)

ISO 17573:2010  
Electronic fee collection — Systems architecture for  
vehicle-related tolling

### 07.030 Fizika. Kemija

#### Međunarodna normizacija (ISO)

ISO 10801:2010  
Nanotechnologies — Generation of metal nanoparticles  
for inhalation toxicity testing using the evaporation/  
condensation method

ISO 10808:2010  
Nanotechnologies — Characterization of nanoparticles  
in inhalation exposure chambers for inhalation toxicity  
testing

#### Europska normizacija

EN ISO 10801:2010  
Nanotechnologies — Generation of metal nanoparticles  
for inhalation toxicity testing using the evaporation/  
condensation method (ISO 10801:2010)

EN ISO 10808:2010

Nanotechnologies — Characterization of nanoparticles  
in inhalation exposure chambers for inhalation toxicity  
testing (ISO 10808:2010)

### 07.100.99 Druge norme koje se odnose na mikrobiologiju

#### Europska normizacija

EN ISO 29621:2011  
Cosmetics — Microbiology — Guidelines for the risk  
assessment and identification of microbiologically  
low-risk products (ISO 29621:2010)

### 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

#### Međunarodna normizacija (ISO)

ISO 80369-1:2010  
Small bore connectors for liquids and gases in health-  
care applications — Part 1: General requirements

#### Međunarodna normizacija (IEC)

IEC 60601-2-4:2010  
Medical electrical equipment — Part 2-4: Particular  
requirements for the basic safety and essential  
performance of cardiac defibrillators

#### Europska normizacija

EN ISO 80369-1:2010  
Small bore connectors for liquids and gases in  
healthcare applications — Part 1: General requirements  
(ISO 80369-1:2010)

### 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

#### Međunarodna normizacija (ISO)

ISO 80369-1:2010  
Small bore connectors for liquids and gases in healthcare  
applications — Part 1: General requirements

### 11.040.55 Dijagnostička oprema

#### Međunarodna normizacija (IEC)

IEC 60601-2-57:2011  
Medical electrical equipment — Part 2-57: Particular  
requirements for the basic safety and essential  
performance of non-laser light source equipment  
intended for therapeutic, diagnostic, monitoring and  
cosmetic/aesthetic use

### 11.040.60 Terapeutska oprema

#### Međunarodna normizacija (IEC)

IEC 60601-2-57:2011  
Medical electrical equipment — Part 2-57: Particular  
requirements for the basic safety and essential  
performance of non-laser light source equipment  
intended for therapeutic, diagnostic, monitoring and  
cosmetic/aesthetic use

### 11.060.01 Zubarstvo općenito

#### Europska normizacija

EN ISO 1942:2010  
Dentistry — Vocabulary (ISO 1942:2009, Corrected  
version 2010-03-01)

## 11.060.15 Zubni usadci

### Međunarodna normizacija (ISO)

ISO 27020:2010  
Dentistry — Brackets and tubes for use in orthodontics

### Europska normizacija

EN ISO 27020:2010  
Dentistry — Brackets and tubes for use in orthodontics  
(ISO 27020:2010)

## 11.100.20 Biološka ocjena medicinskih uređaja

### Međunarodna normizacija (ISO)

ISO 14155:2011  
Clinical investigation of medical devices for human subjects — Good clinical practice

## 11.140 Bolnička oprema

### Međunarodna normizacija (IEC)

IEC 60601-2-46:2010  
Medical electrical equipment — Part 2-46: Particular requirements for basic safety and essential performance of operating tables

## 11.180.10 Pomoć i prilagodbe za kretanje

### Europska normizacija

EN 81-41:2010  
Safety rules for the construction and installation of lifts — Special lifts for the transport of persons and goods — Part 41: Vertical lifting platforms intended for use by persons with impaired mobility

## 11.180.15 Pomagala za gluhe osobe i za osobe sa oštećenjem sluha

### Međunarodna normizacija (ISO)

ISO 24501:2010  
Ergonomics — Accessible design — Sound pressure levels of auditory signals for consumer products

### Međunarodna normizacija (IEC)

IEC 62489-2:2011  
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

### Europska normizacija

EN ISO 24501:2010  
Ergonomics — Accessible design — Sound pressure levels of auditory signals for consumer products  
(ISO 24501:2010)

## 11.180.30 Pomagala za čitanje

### Međunarodna normizacija (ISO)

ISO 24502:2010  
Ergonomics — Accessible design — Specification of age-related luminance contrast for coloured light

ISO 24503:2011  
Ergonomics — Accessible design --Tactile dots and bars on consumer products

## Europska normizacija

EN ISO 24502:2010  
Ergonomics — Accessible design — Specification of age-related luminance contrast for coloured light  
(ISO 24502:2010)

## 11.200 Nadzor nad rađanjem. Mehanička kontracepcijska sredstva

### Međunarodna normizacija (ISO)

ISO 29941:2010  
Condoms — Determination of nitrosamines migrating from natural rubber latex condoms

## 13.020.10 Upravljanje okolišem

### Međunarodna normizacija (ISO)

ISO 14005:2010  
Environmental management systems — Guidelines for the phased implementation of an environmental management system, including the use of environmental performance evaluation

## 13.030.01 Otpad općenito

### Europska normizacija

CEN/TR 16110:2010  
Characterization of waste — Guidance on the use of ecotoxicity tests applied to waste

## 13.040.30 Kakvoća zraka na radnome mjestu

### Međunarodna normizacija (ISO)

ISO 17736:2010  
Workplace air quality — Determination of isocyanate in air using a double-filter sampling device and analysis by high pressure liquid chromatography

## 13.040.40 Ispuštanja iz nepomičnih izvora

### Međunarodna normizacija (ISO)

ISO 11771:2010  
Air quality — Determination of time-averaged mass emissions and emission factors — General approach

### Europska normizacija

EN ISO 11771:2010  
Air quality — Determination of time-averaged mass emissions and emission factors — General approach  
(ISO 11771:2010)

## 13.040.50 Ispuštanja plinova iz prijevoznih sredstava

### Međunarodna normizacija (ISO)

ISO 15031-1:2010  
Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 1: General information and use case definition

## 13.060.60 Ispitivanje fizikalnih svojstava vode

### Međunarodna normizacija (ISO)

- ISO 9698:2010  
Water quality – Determination of tritium activity concentration – Liquid scintillation counting method

## 13.110 Sigurnost strojeva

### Međunarodna normizacija (ISO)

- ISO 29042-8:2011  
Safety of machinery – Evaluation of the emission of airborne hazardous substances – Part 8: Room method for the measurement of the pollutant concentration parameter
- ISO 29042-9:2011  
Safety of machinery – Evaluation of the emission of airborne hazardous substances – Part 9: Decontamination index

### Europska normizacija

- CEN/TR 614-3:2010  
Safety of machinery – Part 3: Ergonomic principles for the design of mobile machinery

## 13.160 Utjecaj vibracija na ljude

### Međunarodna normizacija (ISO)

- ISO 28927-4:2010  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 4: Straight grinders
- ISO 28927-11:2011  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 11: Stone hammers

### Europska normizacija

- EN ISO 28927-4:2010  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 4: Straight grinders (ISO 28927-4:2010)

## 13.180 Ergonomija

### Međunarodna normizacija (ISO)

- ISO 24501:2010  
Ergonomics – Accessible design – Sound pressure levels of auditory signals for consumer products
- ISO 24502:2010  
Ergonomics – Accessible design – Specification of age-related luminance contrast for coloured light
- ISO 24503:2011  
Ergonomics – Accessible design – Tactile dots and bars on consumer products

### Europska normizacija

- EN ISO 24501:2010  
Ergonomics – Accessible design – Sound pressure levels of auditory signals for consumer products (ISO 24501:2010)
- EN ISO 24502:2010  
Ergonomics – Accessible design – Specification of age-related luminance contrast for coloured light (ISO 24502:2010)

## 13.220.20 Oprema za zaštitu od požara

### Međunarodna normizacija (ISO)

- ISO 7240-3:2010  
Fire detection and alarm systems – Part 3: Audible alarm devices
- ISO 12239:2010  
Smoke alarms using scattered light, transmitted light or ionization

## 13.220.40 Zapaljivost i ponašanje pri izgaranju gradiva i proizvoda

### Međunarodna normizacija (ISO)

- ISO 29473:2010  
Fire tests – Uncertainty of measurements in fire tests

### Europska normizacija

- EN 60695-2-12:2010  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2010)
- EN 60695-2-13:2010  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials (IEC 60695-2-13:2010)
- EN 13772:2011  
Textiles and textile products – Burning behaviour – Curtains and drapes – Measurement of flame spread of vertically oriented specimens with large ignition source

## 13.220.50 Vatrootpornost građevnih gradiva i elemenata

### Međunarodna normizacija (ISO)

- ISO 11925-2:2010/Cor 1:2011  
Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test; Technical Corrigendum 1

### Europska normizacija

- EN 15080-12:2011  
Extended application of results from fire resistance tests – Part 12: Loadbearing masonry walls
- EN ISO 11925-2:2010/AC:2011  
Reaction to fire tests – Ignitability of products subjected to direct impingement of flame – Part 2: Single-flame source test – Technical Corrigendum 1 (ISO 11925-2:2010/Cor 1:2011)

## 13.230 Zaštita od eksplozija

### Europska normizacija

- EN 14034-1:2004+A1:2011  
Determination of explosion characteristics of dust clouds – Part 1: Determination of the maximum explosion pressure  $p_{max}$  of dust clouds
- EN 14034-2:2006+A1:2011  
Determination of explosion characteristics of dust clouds – Part 2: Determination of the maximum rate of explosion pressure rise (dp/dt) $_{max}$  of dust clouds
- EN 14034-3:2006+A1:2011  
Determination of explosion characteristics of dust clouds – Part 3: Determination of the lower explosion limit LEL of dust clouds

EN 14034-4:2004+A1:2011

Determination of explosion characteristics of dust clouds — Part 4: Determination of the limiting oxygen concentration LOC of dust clouds

### 13.280      **Zaštita od zračenja**

#### **Međunarodna normizacija (IEC)**

IEC 60825-2 Ed.3.2:2010

Safety of laser products — Part 2: Safety of optical fibre communication systems (OFCS)

### 13.320      **Alarmni sustavi i sustavi uzbunjivanja**

#### **Međunarodna normizacija (IEC)**

IEC 62642-2-3:2010

Alarm systems — Intrusion and hold-up systems — Part 2-3: Intrusion detectors — Microwave detectors

IEC 62642-2-4:2010

Alarm systems — Intrusion and hold-up systems — Part 2-4: Intrusion detectors — Combined passive infrared / Microwave detectors

IEC 62642-2-5:2010

Alarm systems — Intrusion and hold-up systems — Part 2-5: Intrusion detectors — Combined passive infrared / Ultrasonic detectors

IEC 62642-2-6:2010

Alarm systems — Intrusion and hold-up systems — Part 2-6: Intrusion detectors — Opening contacts (magnetic)

### 13.340.50   **Zaštitna obuća**

#### **Međunarodna normizacija (ISO)**

ISO 20349:2010

Personal protective equipment — Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding — Requirements and test method

#### **Europska normizacija**

EN 13634:2010

Protective footwear for motorcycle riders — Requirements and test methods

EN ISO 20349:2010

Personal protective equipment — Footwear protecting against thermal risks and molten metal splashes as found in foundries and welding — Requirements and test method (ISO 20349:2010)

### 17.040.30   **Mjerila**

#### **Međunarodna normizacija (ISO)**

ISO 14405-1:2010

Geometrical product specifications (GPS) — Dimensional tolerancing — Part 1: Linear sizes

ISO 14406:2010

Geometrical product specifications (GPS) — Extraction

#### **Europska normizacija**

EN ISO 14405-1:2010

Geometrical product specifications (GPS) — Dimensional tolerancing — Part 1: Linear sizes (ISO 14405-1:2010)

EN ISO 14406:2010

Geometrical product specifications (GPS) — Extraction (ISO 14406:2010)

### 17.140.01   **Akustička mjerenja i smanjenje buke općenito**

#### **Međunarodna normizacija (ISO)**

ISO 3746:2010

Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane

ISO 3747:2010

Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering/survey methods for use in situ in a reverberant environment

#### **Europska normizacija**

EN ISO 3746:2010

Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane (ISO 3746:2010)

EN ISO 3747:2010

Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Engineering/survey methods for use in situ in a reverberant environment (ISO 3747:2010)

### 17.140.20   **Buka koju proizvode strojevi i oprema**

#### **Međunarodna normizacija (ISO)**

ISO 10302-1:2011

Acoustics — Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices — Part 1: Airborne noise measurement

#### **Međunarodna normizacija (IEC)**

IEC 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

#### **Europska normizacija**

EN 60534-8-3:2011

Industrial-process control valves — Part 8-3: Noise considerations — Control valve aerodynamic noise prediction method (IEC 60534-8-3:2010)

### 17.140.50   **Elektroakustika**

#### **Međunarodna normizacija (IEC)**

IEC 60050-802:2011

International Electrotechnical Vocabulary — Part 802: Ultrasonics

### 17.180.20   **Boje i mjerenje svjetlosti**

#### **Međunarodna normizacija (ISO)**

ISO 15076-1:2010

Image technology colour management — Architecture, profile format and data structure — Part 1: Based on ICC.1:2010

#### **Međunarodna normizacija (IEC)**

IEC 61966-12-1:2011

Multimedia systems and equipment — Colour measurement and management — Part 12-1: Metadata for identification of colour gamut (Gamut ID)

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Europska normizacija

EN 60770-2:2010  
Transmitters for use in industrial-process control systems — Part 2: Methods for inspection and routine testing (IEC 60770-2:2010)

EN 62475:2010  
High-current test techniques — Definitions and requirements for test currents and measuring systems (IEC 62475:2010)

## 17.240 Mjerenje zračenja

### Međunarodna normizacija (ISO)

ISO 27048:2011  
Radiation protection — Dose assessment for the monitoring of workers for internal radiation exposure

## 19.040 Ispitivanje utjecaja okoliša

### Međunarodna normizacija (IEC)

IEC 60068-2-5:2010/Corr.1:2010  
Corrigendum 1 — Environmental testing — Part 2-5: Tests — Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing

## 19.080 Električna i elektronička ispitivanja

### Europska normizacija

EN 60060-1:2010  
High-voltage test techniques — Part 1: General definitions and test requirements (IEC 60060-1:2010)

## 19.100 Nerazorna ispitivanja

### Europska normizacija

EN ISO 15549:2010  
Non-destructive testing — Eddy current testing — General principles (ISO 15549:2008)

EN 13554:2011  
Non-destructive testing — Acoustic emission testing — General principles

## 21.100.20 Valjni ležajevi

### Međunarodna normizacija (ISO)

ISO 5753-2:2010  
Rolling bearings — Internal clearance — Part 2: Axial internal clearance for four-point-contact ball bearings

## 21.200 Zupčanici

### Međunarodna normizacija (ISO)

ISO/TR 15144-1:2010  
Calculation of micropitting load capacity of cylindrical spur and helical gears — Part 1: Introduction and basic principles

## 23.020.10 Nepomični kontejneri i spremnici

### Europska normizacija

EN 13341:2005+A1:2011  
Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels — Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 — Requirements and test methods

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Međunarodna normizacija (ISO)

ISO 11114-3:2010  
Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere

### Europska normizacija

EN 12816:2010  
LPG equipment and accessories — Transportable refillable LPG cylinders — Disposal

EN 13109:2010  
LPG equipment and accessories — LPG tanks and drums — Disposal

EN ISO 11114-3:2010  
Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 3: Autogenous ignition test for non-metallic materials in oxygen atmosphere (ISO 11114-3:2010)

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Međunarodna normizacija (ISO)

ISO 2531:2009/Cor 1:2010  
Ductile iron pipes, fittings, accessories and their joints for water applications; Technical Corrigendum 1

ISO 10804:2010  
Restrained joint systems for ductile iron pipelines — Design rules and type testing

## 23.040.20 Plastične cijevi

### Međunarodna normizacija (ISO)

ISO 14531-3:2010  
Plastics pipes and fittings — Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels — Metric series — Specifications — Part 3: Fittings for mechanical jointing (including PE-X/metal transitions)

### Europska normizacija

CEN/TR 852:2010  
Plastics piping systems for the transport of water intended for human consumption — Migration assessment — Guidance on the interpretation of laboratory derived migration values

## 23.040.45 Plastični fitinzi

### Međunarodna normizacija (ISO)

ISO 14531-3:2010  
Plastics pipes and fittings — Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels — Metric series — Specifications — Part 3: Fittings for mechanical jointing (including PE-X/metal transitions)

## 23.040.70 Spojevi sipkih cijevi

### Europska normizacija

EN 12115:2011  
Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals – Specification

## 23.060.20 Kuglasti ventili i ventili sa zatvaračem u obliku čepa

### Europska normizacija

EN 331:1998/A1:2010  
Manually operated ball valves and closed bottom taper plug valves for gas installations for buildings

## 23.060.40 Regulatori tlaka

### Europska normizacija

EN 60534-7:2010  
Industrial-process control valves – Part 7: Control valve data sheet (IEC 60534-7:2010)  
EN 60534-8-3:2011  
Industrial-process control valves – Part 8-3: Noise considerations – Control valve aerodynamic noise prediction method (IEC 60534-8-3:2010)

## 23.080 Pumpe

### Europska normizacija

EN ISO 2858:2010  
End-suction centrifugal pumps (rating 16 bar) – Designation, nominal duty point and dimensions (ISO 2858:1975)  
EN ISO 3661:2010  
End-suction centrifugal pumps – Baseplate and installation dimensions (ISO 3661:1977)

## 23.100.99 Druge sastavnice sustava za hidraulički i pneumatski prijenos energije

### Europska normizacija

EN 14359:2006+A1:2010  
Gas-loaded accumulators for fluid power applications

## 23.120 Ventilatori. Klimatizacijski uređaji

### Međunarodna normizacija (ISO)

ISO 12759:2010  
Fans – Efficiency classification for fans  
ISO 10302-1:2011  
Acoustics – Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices – Part 1: Airborne noise measurement

## 25.140.10 Pneumatski alati

### Međunarodna normizacija (ISO)

ISO 28927-4:2010  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 4: Straight grinders  
ISO 28927-11:2011  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 11: Stone hammers

### Europska normizacija

EN ISO 28927-4:2010  
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 4: Straight grinders (ISO 28927-4:2010)

## 25.140.20 Električni alati

### Europska normizacija

EN 60745-2-21:2009/A1:2010  
Hand-held motor-operated electric tools – Safety – Part 2-21: Particular requirements for drain cleaners (IEC 60745-2-21:2002/A1:2008)

## 25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

### Europska normizacija

EN ISO 4063:2010  
Welding and allied processes – Nomenclature of processes and reference numbers (ISO 4063:2009, Corrected version 2010-03-01)

## 25.160.20 Potrošna gradiva za zavarivanje

### Međunarodna normizacija (ISO)

ISO 18274:2010  
Welding consumables – Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys – Classification  
ISO 3581:2003/Amd 1:2011  
Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification; Amendment 1

### Europska normizacija

EN ISO 18274:2010  
Welding consumables – Solid wire electrodes, solid strip electrodes, solid wires and solid rods for fusion welding of nickel and nickel alloys – Classification (ISO 18274:2010)  
EN ISO 14341:2011  
Welding consumables – Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels – Classification (ISO 14341:2010)

## 25.160.30 Oprema za zavarivanje

### Europska normizacija

EN 60974-6:2011  
Arc welding equipment – Part 6: Limited duty equipment (IEC 60974-6:2010)

## 25.160.40 Zavareni spojevi

### Međunarodna normizacija (ISO)

ISO 11666:2010  
Non-destructive testing of welds – Ultrasonic testing – Acceptance levels  
ISO 17640:2010  
Non-destructive testing of welds – Ultrasonic testing – Techniques, testing levels, and assessment  
ISO 15626:2011  
Non-destructive testing of welds – Time-of-flight diffraction technique (TOFD) – Acceptance levels

## Evropska normizacija

EN ISO 11666:2010  
Non-destructive testing of welds – Ultrasonic testing – Acceptance levels (ISO 11666:2010)

EN ISO 17640:2010  
Non-destructive testing of welds – Ultrasonic testing – Techniques, testing levels, and assessment (ISO 17640:2010)

## 25.180.10 Električne peći

### Međunarodna normizacija (IEC)

IEC 60519-6:2011  
Safety in electroheat installations – Part 6: Specifications for safety in industrial microwave heating equipment

## 25.220.20 Površinska obradba

### Međunarodna normizacija (ISO)

ISO 14921:2010  
Thermal spraying – Procedures for the application of thermally sprayed coatings for engineering components

ISO 8251:2011  
Anodizing of aluminium and its alloys – Measurement of abrasion resistance of anodic oxidation coatings

### Evropska normizacija

EN ISO 3613:2010  
Metallic and other inorganic coatings – Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods (ISO 3613:2010)

EN ISO 14921:2010  
Thermal spraying – Procedures for the application of thermally sprayed coatings for engineering components (ISO 14921:2010)

## 25.220.40 Prevlačenje kovinama

### Međunarodna normizacija (ISO)

ISO 3613:2010  
Metallic and other inorganic coatings – Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys – Test methods

ISO 9717:2010  
Metallic and other inorganic coatings – Phosphate conversion coating of metals

ISO 12690:2010  
Metallic and other inorganic coatings – Thermal spray coordination – Tasks and responsibilities

### Evropska normizacija

EN ISO 12690:2010  
Metallic and other inorganic coatings – Thermal spray coordination – Tasks and responsibilities (ISO 12690:2010)

## 25.220.50 Čakline

### Međunarodna normizacija (ISO)

ISO 4534:2010  
Vitreous and porcelain enamels – Determination of fluidity behaviour – Fusion flow test

### Evropska normizacija

EN ISO 4534:2010  
Vitreous and porcelain enamels – Determination of fluidity behaviour – Fusion flow test (ISO 4534:2010)

## 27.020 Motori s unutrašnjim izgaranjem

### Međunarodna normizacija (ISO)

ISO 7967-2:2010  
Reciprocating internal combustion engines – Vocabulary of components and systems – Part 2: Main running gear

### Evropska normizacija

EN 12601:2010  
Reciprocating internal combustion engine driven generating sets – Safety

EN 1679-1:1998+A1:2011  
Reciprocating internal combustion engines – Safety – Part 1: Compression ignition engines

## 27.080 Toplinske pumpe

### Evropska normizacija

EN 378-1:2008+A1:2010  
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria

EN 16147:2011  
Heat pumps with electrically driven compressors – Testing and requirements for marking of domestic hot water units

## 27.160 Sunčeva energija

### Međunarodna normizacija (IEC)

IEC 62509:2010  
Battery charge controllers for photovoltaic systems – Performance and functioning

IEC 61853-1:2011  
Photovoltaic (PV) module performance testing and energy rating – Part 1: Irradiance and temperature performance measurements and power rating

## 27.200 Rashladna tehnika

### Evropska normizacija

EN 378-1:2008+A1:2010  
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija (IEC)

IEC 60050-802:2011  
International Electrotechnical Vocabulary – Part 802: Ultrasonics

### Evropska normizacija

EN 60695-2-12:2010  
Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWFI) test method for materials (IEC 60695-2-12:2010)

EN 60695-2-13:2010  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials (IEC 60695-2-13:2010)



## 29.035.01 Izolacijska gradiva općenito

### Međunarodna normizacija (IEC)

IEC 60212:2010

Standard conditions for use prior to and during the testing of solid electrical insulating materials

### Europska normizacija

EN 60695-2-12:2010

Fire hazard testing – Part 2-12: Glowing/hot-wire based test methods – Glow-wire flammability index (GWF) test method for materials (IEC 60695-2-12:2010)

EN 60695-2-13:2010

Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials (IEC 60695-2-13:2010)

## 29.035.20 Plastična i gumena izolacijska gradiva

### Međunarodna normizacija (IEC)

IEC 60684-3-283:2010

Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 283: Heat-shrinkable, polyolefin sleeving for bus-bar insulation

### Europska normizacija

EN 60684-3-283:2011

Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 283: Heat-shrinkable, polyolefin sleeving, for bus-bar insulation (IEC 60684-3-283:2010)

## 29.060.20 Kabeli

### Međunarodna normizacija (IEC)

IEC 60502-4:2010

Power cables with extruded insulation and their accessories for rated voltages from 1 kV ( $U_m = 1,2$  kV) up to 30 kV ( $U_m = 36$  kV) – Part 4: Test requirements on accessories for cables with rated voltages from 6 kV ( $U_m = 7,2$  kV) up to 30 kV ( $U_m = 36$  kV)

## 29.080.30 Izolacijski sustavi

### Međunarodna normizacija (IEC)

IEC/TR 60664-2-1:2011

Insulation coordination for equipment within low-voltage systems – Part 2-1: Application guide – Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric testing

### Europska normizacija

EN 60034-18-32:2010

Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems – Test procedures for form-wound windings – Evaluation by electrical endurance (IEC 60034-18-32:2010)

## 29.120.10 Zaštitne cijevi za električne potrebe

### Europska normizacija

EN 61386-21:2004/A11:2010

Conduit systems for cable management – Part 21: Particular requirements – Rigid conduit systems

EN 61386-22:2004/A11:2010

Conduit systems for cable management – Part 22: Particular requirements – Pliable conduit systems

EN 61386-23:2004/A11:2010

Conduit systems for cable management – Part 23: Particular requirements – Flexible conduit systems

## 29.120.40 Sklopke

### Europska normizacija

EN 61058-2-1:2011

Switches for appliances – Part 2-1: Particular requirements for cord switches (IEC 61058-2-1:2010)

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Međunarodna normizacija (IEC)

IEC 60269-6:2010/Corr. 1:2010

Corrigendum 1 – Low-voltage fuses – Part 6: Supplementary requirements for fuse-links for the protection of solar photovoltaic energy systems

IEC 62640:2011

Residual current devices with or without overcurrent protection for socket-outlets for household and similar uses

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 62271-206:2011

High-voltage switchgear and controlgear – Part 206: Voltage presence indicating systems for rated voltages above 1 kV and up to and including 52 kV

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 60947-1:2007/am1:2010

Amendment 1 – Low-voltage switchgear and controlgear – Part 1: General rules

IEC 62026-7:2010

Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 7: CompoNet

### Europska normizacija

EN 60947-1:2007/A1:2011

Low-voltage switchgear and controlgear – Part 1: General rules (IEC 60947-1:2007/A1:2010)

EN 61439-5:2011

Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks (IEC 61439-5:2010)

## 29.140.20 Svjetiljke sa žarnom niti

### Međunarodna normizacija (IEC)

IEC 60357:2002/am3:2011

Amendment 3 – Tungsten halogen lamps (non-vehicle) – Performance specifications

### **29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem**

#### **Međunarodna normizacija (IEC)**

IEC 62532:2011  
Fluorescent induction lamps – Safety specifications

### **29.160.01 Rotacijski strojevi općenito**

#### **Europska normizacija**

EN 60034-18-32:2010  
Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems – Test procedures for form-wound windings – Evaluation by electrical endurance (IEC 60034-18-32:2010)

### **29.160.40 Električni agregati**

#### **Europska normizacija**

EN 12601:2010  
Reciprocating internal combustion engine driven generating sets – Safety

### **29.180 Transformatori. Prigušnice**

#### **Međunarodna normizacija (IEC)**

IEC 61558-2-12:2011  
Safety of transformers, reactors, power supply units and combination thereof – Part 2-12: Particular requirements and tests for constant voltage transformers and power supply units for constant voltage

#### **Europska normizacija**

EN 62041:2010  
Safety of transformers, reactors, power supply units and combinations thereof – EMC requirements (IEC 62041:2010)

### **29.200 Ispravljači. Pretvarači. Stabilizirano napajanje**

#### **Međunarodna normizacija (IEC)**

IEC 60146-1-2:2011  
Semiconductor converters – General requirements and line commutated converters – Part 1-2: Application guide

#### **Europska normizacija**

EN 61803:1999/A1:2010  
Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters (IEC 61803:1999/A1:2010)

### **29.220.10 Primarni članci i baterije**

#### **Međunarodna normizacija (IEC)**

IEC 60086-3:2011  
Primary batteries – Part 3: Watch batteries

### **29.220.20 Kiseli sekundarni članci i baterije**

#### **Međunarodna normizacija (IEC)**

IEC 62660-1:2010  
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1: Performance testing

IEC 62660-2:2010

Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2: Reliability and abuse testing

### **29.240.10 Podstanice. Odvodnici tranzijenata**

#### **Međunarodna normizacija (IEC)**

IEC 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

### **29.260.20 Električni uređaji za eksplozivnu atmosferu**

#### **Međunarodna normizacija (IEC)**

IEC 60079-0:2007/Corr.1:2010  
Corrigendum 1 – Interpretation sheet 1 – Explosive atmospheres – Part 0: Equipment – General requirements

#### **Europska normizacija**

EN 60079-13:2010  
Explosive atmospheres – Part 13: Equipment protection by pressurized room “p” (IEC 60079-13:2010)  
EN 60079-19:2011  
Explosive atmospheres – Part 19: Equipment repair, overhaul and reclamation (IEC 60079-19:2010)

### **29.280 Oprema za električnu vuču**

#### **Europska normizacija**

EN 60349-2:2010  
Electric traction – Rotating electrical machines for rail and road vehicles – Part 2: Electronic converter-fed alternating current motors (IEC 60349-2:2010)

### **31.060.70 Energetski kondenzatori**

#### **Međunarodna normizacija (IEC)**

IEC 60252-2:2010  
AC motor capacitors – Part 2: Motor start capacitors

#### **Europska normizacija**

EN 60143-4:2010  
Series capacitors for power systems – Part 4: Thyristor controlled series capacitors (IEC 60143-4:2010)

### **31.080.01 Poluvodički uređaji općenito**

#### **Međunarodna normizacija (IEC)**

IEC 60747-15:2010  
Semiconductor devices – Discrete devices – Part 15: Isolated power semiconductor devices  
IEC 60749-23:2004/am1:2011  
Amendment 1 – Semiconductor devices – Mechanical and climatic test methods – Part 23: High temperature operating life

## Europska normizacija

- EN 60749-15:2010  
Semiconductor devices – Mechanical and climatic test methods – Part 15: Resistance to soldering temperature for through-hole mounted devices (IEC 60749-15:2010)
- EN 60749-34:2010  
Semiconductor devices – Mechanical and climatic test methods – Part 34: Power cycling (IEC 60749-34:2010)

## 31.080.30 Tranzistori

### Međunarodna normizacija (IEC)

- IEC 60747-7:2010  
Semiconductor devices – Discrete devices – Part 7: Bipolar transistors
- IEC 60747-8:2010  
Semiconductor devices – Discrete devices – Part 8: Field-effect transistors

## 31.080.99 Drugi poluvodički uređaji

### Međunarodna normizacija (IEC)

- IEC 60747-14-4:2011  
Semiconductor devices – Discrete devices – Part 14-4: Semiconductor accelerometers

## Europska normizacija

- EN 60747-16-4:2004/A1:2011  
Semiconductor devices – Part 16-4: Microwave integrated circuits – Switches (IEC 60747-16-4:2004/am1:2011)

## 31.140 Piezoelektrični i dielektrični uređaji

### Europska normizacija

- EN 60122-3:2010  
Quartz crystal units of assessed quality – Part 3: Standard outlines and lead connections (IEC 60122-3:2010)

## 31.180 Tiskani krugovi i pločice

### Međunarodna normizacija (IEC)

- IEC/PAS 61189-3-913:2011  
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 3-913: Test methods for interconnection structures (printed boards) – Electronic circuit board for high-brightness LEDs
- IEC/PAS 62326-20:2011  
Printed boards – Part 20: Electronic circuit board for high-brightness LEDs

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Međunarodna normizacija (IEC)

- IEC 60191-6-17:2011  
Mechanical standardization of semiconductor devices – Part 6-17: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guide for stacked packages – Fine-pitch ball grid array and fine-pitch land grid array (P-PFBGA and P-PFLGA)

## Europska normizacija

- EN 60368-3:2010  
Piezoelectric filters of assessed quality – Part 3: Standard outlines and lead connections (IEC 60368-3:2010)

## 31.260 Optoelektronika. Laserska oprema

### Međunarodna normizacija (ISO)

- ISO/TR 14880-5:2010  
Optics and photonics – Microlens arrays – Part 5: Guidance on testing

### Međunarodna normizacija (IEC)

- IEC 60825-2 Ed.3.2:2010  
(IEC 60825-2:2004+A1:2006+A2:2010)  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS)
- IEC 60825-1 Interpretation Sheet 2:2011  
Safety of laser products – Part 1: Equipment classification and requirements

## 33.040.40 Mreže za prijenos podataka

### Međunarodna normizacija (IEC)

- IEC 61850-7-3:2010  
Communication networks and systems for power utility automation – Part 7-3: Basic communication structure – Common data classes

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

- EN 301 842-4 V1.2.2  
VHF air-ground Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for ground-based equipment – Part 4: Point-to-point functions
- EN 302 842-1 V1.2.2  
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment – Part 1: Physical layer
- EN 302 842-4 V1.2.2  
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment – Part 4: Point-to-point functions

## 33.060.40 Kabelski sustavi za razdiobu

### Međunarodna normizacija (IEC)

- IEC 60728-3:2010  
Cable networks for television signals, sound signals and interactive services – Part 3: Active wideband equipment for cable networks

## 33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

### Međunarodna normizacija (IEC)

- IEC 62684:2011  
Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones

## Europska normizacija

EN 62684:2010

Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones (IEC 62684:2011)

### 33.100.01 Elektromagnetska spojivost općenito

#### Međunarodna normizacija (IEC)

IEC 61000-4-21:2011

Electromagnetic compatibility (EMC) – Part 4-21: Testing and measurement techniques – Reverberation chamber test methods

### 33.100.10 Zračenje

#### Međunarodna normizacija (IEC)

IEC 61000-6-3:2006/am1:2010

Amendment 1 – Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments

IEC 61000-6-4:2006/am1:2010

Amendment 1 – Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments

#### Europska normizacija

EN 55022:2010

Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement (CISPR 22:2008 (Modified))

EN 55022:2006/A2:2010

Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement (CISPR 22:2005/A2:2006 (Modified))

### 33.120.30 RF konektori

#### Međunarodna normizacija (IEC)

IEC 61169-18:2011

Radio-frequency connectors – Part 18: Sectional specification – Radio frequency coaxial connectors of type SSMA

IEC 61169-19:2011

Radio-frequency connectors – Part 19: Sectional specification – Radio frequency coaxial connectors of type SSMB

#### Europska normizacija

EN 61169-14:2010

Radio-frequency connectors – Part 14: R.F. coaxial connectors with inner diameter of outer conductor 12 mm with screw coupling – Characteristic impedance 75 ohms (Type 3,5/12) (IEC 61169-14:2010)

### 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

#### Međunarodna normizacija (IEC)

IEC 61966-12-1:2011

Multimedia systems and equipment – Colour measurement and management – Part 12-1: Metadata for identification of colour gamut (Gamut ID)

### 33.170 Televizijski i radijski prijenos

#### Međunarodna normizacija (IEC)

IEC 62455:2010

Internet protocol (IP) and transport stream (TS) based service access (TA1)

### 33.180.01 Svjetlovodni sustavi općenito

#### Međunarodna normizacija (IEC)

IEC 60825-2 Ed.3.2:2010

Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS)

### 33.180.20 Svjetlovodni vezni uređaji

#### Međunarodna normizacija (IEC)

IEC 61300-2-6:2010

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-6: Tests – Tensile strength of coupling mechanism

IEC 61300-3-22:2010

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-22: Examinations and measurements – Ferrule compression force

IEC 61753-086-6:2010

Fibre optic interconnecting devices and passive components – Performance standard – Part 086-6: Non-connectorized single-mode bidirectional 1 490 / 1 550 nm downstream and 1 310 nm upstream WWDM devices for category O – Uncontrolled environment

IEC 61753-087-2:2010

Fibre optic interconnecting devices and passive components – Performance standard – Part 087-2: Non-connectorized single-mode bidirectional 1 310 nm upstream and 1 490 nm downstream WWDM devices for category C – Controlled environment

IEC 62150-2:2010

Fibre optic active components and devices – Test and measurement procedures – Part 2: ATM-PON transceivers

#### Europska normizacija

EN 61300-2-9:2010

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-9: Tests – Shock (IEC 61300-2-9:2010)

EN 62150-2:2011

Fibre optic active components and devices – Test and measurement procedures – Part 2: ATM-PON transceivers (IEC 62150-2:2010)

### 33.180.30 Optička pojačala

#### Međunarodna normizacija (IEC)

IEC 62148-2:2010

Fibre optic active components and devices – Package and interface standards – Part 2: SFF 10-pin transceivers

IEC/TR 62343-6-5:2011

Dynamic modules – Part 6-5: Investigation of operating mechanical shock and vibration tests for dynamic modules

IEC/TR 62343-6-6:2011

Dynamic modules – Part 6-6: Failure mode effect analysis for optical units of dynamic modules

## Europska normizacija

- EN 62148-2:2011  
Fibre optic active components and devices – Package and interface standards – Part 2: SFF 10-pin transceivers (IEC 62148-2:2010)
- EN 62148-3:2011  
Fibre optic active components and devices – Package and interface standards – Part 3: SFF 20-pin transceivers (IEC 62148-3:2010)
- EN 62149-5:2011  
Fibre optic active components and devices – Performance standards – Part 5: ATM-PON transceivers with LD driver and CDR ICs (IEC 62149-5:2009)

## 33.180.99 Druga svjetlovodna oprema

### Međunarodna normizacija (IEC)

- IEC 62496-2-2:2011  
Optical circuit boards – Part 2-2: Measurements – Dimensions of optical circuit boards
- IEC 62496-3:2011  
Optical circuit boards – Part 3: Performance standards – General and guidance
- IEC 62496-4:2011  
Optical circuit boards – Part 4: Interface standards – General and guidance

### Europska normizacija

- EN 61746-2:2010  
Calibration of optical time-domain reflectometers (OTDR) – Part 2: OTDR for multimode fibres (IEC 61746-2:2010)

## 35.020 Informacijska tehnika (IT) općenito

### Međunarodna normizacija (ISO)

- ISO/IEC TR 20000-4:2010  
Information technology – Service management – Part 4: Process reference model

### Europska normizacija

- CWA 16234-1:2010  
European e-Competence Framework 2.0 – Part 1: A common European framework for ICT Professionals in all industry sectors
- CWA 16234-2:2010  
European e-Competence Framework 2.0 – Part 2: User guidelines for the application of the European e-Competence Framework 2.0
- CWA 16234-3:2010  
European e-Competence Framework 2.0 – Part 3: Building the e-CF – a combination of sound methodology and expert contribution

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

- ISO/IEC 9796-2:2010  
Information technology – Security techniques – Digital signature schemes giving message recovery – Part 2: Integer factorization based mechanisms
- ISO/IEC 11770-1:2010  
Information technology – Security techniques – Key management – Part 1: Framework

- ISO/IEC 13818-7:2006/Cor 2:2010  
Information technology – Generic coding of moving pictures and associated audio information – Part 7: Advanced Audio Coding (AAC); Technical Corrigendum 2
- ISO/IEC 13888-2:2010  
Information technology – Security techniques – Non-repudiation – Part 2: Mechanisms using symmetric techniques
- ISO/IEC 14496-10:2010  
Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding
- ISO/IEC 14496-11:2005/Amd 7:2010  
Information technology – Coding of audio-visual objects – Part 11: Scene description and application engine – Amendment 7: Extended Core2D profile
- ISO/IEC 14496-20:2008/Cor 1:2010  
Information technology – Coding of audio-visual objects – Part 20: Lightweight Application Scene Representation (LASER) and Simple Aggregation Format (SAF); Technical Corrigendum 1
- ISO/IEC 14496-22:2009/Cor 1:2010  
Information technology – Coding of audio-visual objects – Part 22: Open Font Format; Technical Corrigendum 1
- ISO/IEC 14496-22:2009/Amd 1:2010  
Information technology – Coding of audio-visual objects – Part 22: Open Font Format – Amendment 1: Support for many-to-one range mappings
- ISO/IEC 14957:2010  
Information technology – Representation of data element values – Notation of the format
- ISO/IEC 18033-3:2010  
Information technology – Security techniques – Encryption algorithms – Part 3: Block ciphers
- ISO 22742:2010  
Packaging – Linear bar code and two-dimensional symbols for product packaging
- ISO/IEC 23000-6:2009/Cor 1:2010  
Information technology – Multimedia application format (MPEG-A) – Part 6: Professional archival application format; Technical Corrigendum 1
- ISO/IEC 23003-1:2007/Cor 3:2010  
Information technology – MPEG audio technologies – Part 1: MPEG Surround; Technical Corrigendum 3
- ISO/IEC 23006-4:2010  
Information technology – MPEG extensible middleware (MXM) – Part 4: MXM protocols
- ISO/IEC 24800-4:2010  
Information technology – JPSearch – Part 4: File format for metadata embedded in image data (JPEG and JPEG 2000)
- ISO/IEC 27033-3:2010  
Information technology – Security techniques – Network security – Part 3: Reference networking scenarios – Threats, design techniques and control issues
- ISO/IEC 29109-1:2009/Cor 1:2010  
Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 1: Generalized conformance testing methodology; Technical Corrigendum 1
- ISO/IEC 14496-27:2009/Amd 2:2011  
Information technology – Coding of audio-visual objects – Part 27: 3D Graphics conformance – Amendment 2: Scalable complexity 3D mesh coding conformance
- ISO/IEC 15444-1:2004/Amd 3:2010  
Information technology – JPEG 2000 image coding system: Core coding system – Amendment 3: Profiles for broadcast applications

ISO/IEC 16022:2006/Cor 2:2011  
Information technology – Automatic identification and data capture techniques – Data Matrix bar code symbology specification; Technical Corrigendum 2

ISO/IEC 23000-5:2011  
Information technology – Multimedia application format (MPEG-A) – Part 5: Media streaming application format

### **35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici**

#### **Međunarodna normizacija (ISO)**

ISO/IEC TR 24731-2:2010  
Information technology – Programming languages, their environments and system software interfaces – Extensions to the C library – Part 2: Dynamic Allocation Functions

### **35.080 Razvoj računalne podrške i dokumentacijski sustav**

#### **Međunarodna normizacija (ISO)**

ISO/IEC 29110-2:2011  
Software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 2: Framework and taxonomy

ISO/IEC 29110-4-1:2011  
Software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 4-1: Profile specifications: Generic profile group

### **35.110 Umreživanje**

#### **Međunarodna normizacija (IEC)**

IEC/TR 62685:2010  
Industrial communication networks – Profiles – Assessment guideline for safety devices using IEC 61784-3 functional safety communication profiles (FSCPs)

#### **Europska normizacija**

EN 50173-2:2007/A1:2010  
Information technology – Generic cabling systems – Part 2: Office premises

EN 50173-3:2007/A1:2010  
Information technology – Generic cabling systems – Part 3: Industrial premises

EN 50173-4:2007/A1:2010  
Information technology – Generic cabling systems – Part 4: Homes

EN 50173-5:2007/A1:2010  
Information technology – Generic cabling systems – Part 5: Data centres

### **35.240.15 Identifikacijske kartice i srodni uređaji**

#### **Međunarodna normizacija (ISO)**

ISO/IEC 24727-6:2010  
Identification cards – Integrated circuit card programming interfaces – Part 6: Registration authority procedures for the authentication protocols for interoperability

ISO/IEC 24787:2010  
Information technology – Identification cards – On-card biometric comparison

ISO/IEC 29109-10:2010  
Information technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 10: Hand geometry silhouette data

ISO/IEC 10373-6:2011  
Identification cards – Test methods – Part 6: Proximity cards

ISO/IEC 19795-7:2011  
Information technology – Biometric performance testing and reporting – Part 7: Testing of on-card biometric comparison algorithms

ISO/IEC 24709-3:2011  
Information technology – Conformance testing for the biometric application programming interface (BioAPI) – Part 3: Test assertions for BioAPI frameworks

### **35.240.20 Primjene IT-a u uredskom poslovanju**

#### **Međunarodna normizacija (ISO)**

ISO/IEC 11581-10:2010  
Information technology – User interface icons – Part 10: Framework and general guidance

### **35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu**

#### **Međunarodna normizacija (ISO)**

ISO/TR 13028:2010  
Information and documentation – Implementation guidelines for digitization of records

ISO 16175-1:2010  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 1: Overview and statement of principles

ISO 16175-3:2010  
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 3: Guidelines and functional requirements for records in business systems

ISO/IEC 26300:2006/Cor 1:2010  
Information technology – Open Document Format for Office Applications (OpenDocument) v1.0; Technical Corrigendum 1

### **35.240.50 Primjene IT-a u industriji**

#### **Međunarodna normizacija (ISO)**

ISO 13584-32:2010  
Industrial automation systems and integration – Parts library – Part 32: Implementation resources: OntoML: Product ontology markup language

ISO 13584-42:2010  
Industrial automation systems and integration – Parts library – Part 42: Description methodology: Methodology for structuring parts families

ISO 15531-44:2010  
Industrial automation systems and integration – Industrial manufacturing management data – Part 44: Information modelling for shop floor data acquisition

ISO 22745-13:2010  
Industrial automation systems and integration – Open technical dictionaries and their application to master data – Part 13: Identification of concepts and terminology

### Međunarodna normizacija (IEC)

IEC/TR 62685:2010  
Industrial communication networks – Profiles – Assessment guideline for safety devices using IEC 61784-3 functional safety communication profiles (FSCPs)

### 35.240.60 Primjene IT-a u prijevozu i trgovini

#### Međunarodna normizacija (ISO)

ISO 17573:2010  
Electronic fee collection – Systems architecture for vehicle-related tolling

ISO/IEC 18000-6:2010  
Information technology – Radio frequency identification for item management – Part 6: Parameters for air interface communications at 860 MHz to 960 MHz

ISO/IEC TR 18047-6:2011  
Information technology – Radio frequency identification device conformance test methods – Part 6: Test methods for air interface communications at 860 MHz to 960 MHz

ISO 21216:2011  
Intelligent transport systems – Wireless communications – CALM using millimetre communications – Air interface

ISO 24099:2011  
Navigation data delivery structures and protocols

#### Europska normizacija

EN 13044-1:2011  
Intermodal Loading Units – Marking – Part 1: Markings for identification

EN 13044-2:2011  
Intermodal Loading Units – Marking – Part 2: Markings of swap bodies related to rail operation

EN 13044-3:2011  
Intermodal Loading Units – Marking – Part 3: Markings of semi-trailers related to rail operation

### 35.240.70 Primjene IT-a u znanosti

#### Međunarodna normizacija (ISO)

ISO 19142:2010  
Geographic information – Web Feature Service

#### Europska normizacija

EN ISO 19142:2010  
Geographic information – Web Feature Service (ISO 19142:2010)

### 35.240.80 Primjene IT-a u tehnici zaštite zdravlja

#### Međunarodna normizacija (ISO)

ISO 21667:2010  
Health informatics – Health indicators conceptual framework

### 35.240.99 Primjene IT-a u drugim područjima

#### Međunarodna normizacija (ISO)

ISO/IEC TR 24725-3:2010  
Information technology for learning, education and training – Supportive technology and specific integration – Part 3: Platform and Media Taxonomy (PMT)

ISO/IEC 19788-1:2011  
Information technology – Learning, education and training – Metadata for learning resources – Part 1: Framework

### Međunarodna normizacija (IEC)

IEC 62455:2010  
Internet protocol (IP) and transport stream (TS) based service access (TA1)

### Europska normizacija

EN ISO 16484-5:2010  
Building automation and control systems – Part 5: Data communication protocol (ISO 16484-5:2010)

CWA 16259:2011  
Responsible Remote Gambling Measures

### 37.040.10 Fotografaska oprema. Projektori

#### Međunarodna normizacija (IEC)

IEC 61966-12-1:2011  
Multimedia systems and equipment – Colour measurement and management – Part 12-1: Metadata for identification of colour gamut (Gamut ID)

### 37.100.10 Oprema za umnožavanje

#### Međunarodna normizacija (ISO)

ISO 12643-2:2010  
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 2: Prepress and press equipment and systems

ISO 12643-3:2010  
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 3: Binding and finishing equipment and systems

ISO 12643-5:2010  
Graphic technology – Safety requirements for graphic technology equipment and systems – Part 5: Stand-alone platen presses

ISO/IEC 29183:2010  
Information technology – Office equipment – Method for measuring digital copying productivity of a single one-sided original

#### Europska normizacija

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

### 37.100.99 Druge norme koje se odnose na grafičku tehniku

#### Međunarodna normizacija (ISO)

ISO 15076-1:2010  
Image technology colour management – Architecture, profile format and data structure – Part 1: Based on ICC.1:2010

### 43.020 Cestovna vozila općenito

#### Međunarodna normizacija (ISO)

ISO 3780:2009/Cor 1:2010  
Road vehicles – World manufacturer identifier (WMI) code; Technical Corrigendum 1

ISO 12021:2011

Road vehicles — Sensitivity to lateral wind — Open-loop test method using wind generator input

### 43.040.10 Električna i elektronička oprema

#### Međunarodna normizacija (ISO)

ISO 8820-4:2010

Road vehicles — Fuse-links — Part 4: Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures

ISO 15031-1:2010

Road vehicles — Communication between vehicle and external equipment for emissions-related diagnostics — Part 1: General information and use case definition

### 43.040.50 Prijenos, ovjesi

#### Međunarodna normizacija (ISO)

ISO 4249-3:2010

Motorcycle tyres and rims (code-designated series) — Part 3: Rims

### 43.040.80 Sigurnosna oprema i sustavi sigurnosnih pojaseva

#### Međunarodna normizacija (ISO)

ISO 29061-1:2010

Road vehicles — Methods and criteria for usability evaluation of child restraint systems and their interface with vehicle anchorage systems — Part 1: Vehicles and child restraint systems equipped with ISOFIX anchorages and attachments

### 43.060.40 Sustavi goriva

#### Međunarodna normizacija (ISO)

ISO 12251:2011

Diesel engines — Clamp mounted CR fuel injectors — Mounting dimensions

### 43.060.50 Električna oprema. Upravljački sustavi

#### Europska normizacija

EN 60349-2:2010

Electric traction — Rotating electrical machines for rail and road vehicles — Part 2: Electronic converter-fed alternating current motors (IEC 60349-2:2010)

### 43.140 Motocikli i mopedi

#### Međunarodna normizacija (ISO)

ISO 7116:2011

Mopeds — Measurement method for determining maximum speed

### 45.040 Materijali i dijelovi za željezničku tehniku

#### Europska normizacija

EN 15807:2011

Railway applications — Pneumatic half couplings

### 45.060.01 Željeznička tračna vozila. Općenito

#### Europska normizacija

EN 15807:2011

Railway applications — Pneumatic half couplings

### 45.060.10 Željeznička tračna vučna vozila

#### Europska normizacija

EN 60349-2:2010

Electric traction — Rotating electrical machines for rail and road vehicles — Part 2: Electronic converter-fed alternating current motors (IEC 60349-2:2010)

### 47.020.01 Brodogradnja i pomorske konstrukcije. Općenito

#### Međunarodna normizacija (ISO)

ISO 30006:2010

Ship recycling management systems — Diagrams to show the location of hazardous materials onboard ships

ISO 30007:2010

Ships and marine technology — Measures to prevent asbestos emission and exposure during ship recycling

### 47.020.60 Električna oprema brodova i pomorskih konstrukcija

#### Međunarodna normizacija (IEC)

IEC 60092-504:2001/Corr.1:2011

Corrigendum 1 — Electrical installations in ships — Part 504: Special features — Control and instrumentation

### 47.020.70 Oprema za navigaciju i upravljanje

#### Europska normizacija

EN 61162-1:2011

Maritime navigation and radiocommunication equipment and systems — Digital interfaces — Part 1: Single talker and multiple listeners (IEC 61162-1:2010)

EN 62287-1:2011

Maritime navigation and radiocommunication equipment and systems — Class B shipborne equipment of the automatic identification system (AIS) — Part 1: Carrier-sense time division multiple access (CSTDMA) techniques (IEC 62287-1:2010)

### 49.025.10 Čelici

#### Europska normizacija

EN 2481:2010

Aerospace series — Steel FE-PL2108 (35NiCrMo16) — 1 250 MPa =  $R_m = 1\,400$  MPa — Forgings —  $D_e = 75$  mm

EN 2482:2010

Aerospace series — Steel FE-PL2108 (35NiCrMo16) — 1 100 MPa =  $R_m = 1\,300$  MPa — Bars —  $D_e = 100$  mm

EN 2483:2010

Aerospace series — Steel FE-PL2108 (35NiCrMo16) — 1 100 MPa =  $R_m = 1\,300$  MPa — Forgings —  $D_e = 100$  mm



EN 4656:2010

Aerospace series — Steel FE-PM1507 (X1CrNiMoAlTi 12-11-2) — Vacuum induction melted and consumable electrode remelted — Solution treated and precipitation treated — Bars — a or D = 200 mm —  
 $R_m = 1520$  MPa

EN 4658:2010

Aerospace series — Steel FE-PM1507 (X1CrNiMoAlTi 12-11-2) — Vacuum induction melted and consumable electrode remelted — Solution treated and precipitation treated — Forgings — a or D = 200 mm —  
 $R_m = 1520$  MPa

EN 4659:2010

Aerospace series — Steel FE-PM1507 (X1CrNiMoAlTi 12-11-2) — Vacuum induction melted and consumable electrode remelted — Solution treated and precipitation treated — Forgings — a or D = 200 mm —  
 $R_m = 1650$  MPa

EN 4670:2010

Aerospace series — Steel FE-PM1507 (X1CrNiMoAlTi 12-11-2) — Vacuum induction melted and consumable electrode remelted — Softened — Forging stock — a or D = 300 mm

EN 4671:2010

Aerospace series — Steel FE-PM1506 (X1CrNiMoAlTi 12-10-2) — Vacuum induction melted and consumable electrode remelted — Solution treated and precipitation treated — Forgings — a or D = 200 mm —  
 $R_m = 1400$  MPa

#### 49.030.20 Klinovi, vijci, podloške

##### Europska normizacija

EN 3687:2010

Aerospace series — Bolts, normal hexagon head, relieved shank, long thread, in heat resisting steel FE-PA92HT (A286), silver plated — Classification:  
1 100 MPa/650 °C

#### 49.060 Zrakoplovna električna oprema i sustavi

##### Međunarodna normizacija (ISO)

ISO 12384:2010

Aerospace — Requirements for digital equipment for measurements of aircraft electrical power characteristics

##### Europska normizacija

EN 3197:2010

Aerospace series — Design and installation of aircraft electrical and optical interconnection systems

#### 49.090 Oprema i instrumenti u zrakoplovu

##### Europska normizacija

EN 3197:2010

Aerospace series — Design and installation of aircraft electrical and optical interconnection systems

EN 4641-103:2010

Aerospace series — Cables, optical 125 µm diameter cladding — Part 103: Semi-loose, ruggedized simplex construction 62,5/125 µm GI fibre nominal 2,74 mm, outside diameter — Product standard

EN 4641-104:2010

Aerospace series — Cables, optical 125 µm diameter cladding — Part 104: Semi-loose, ruggedized duplex construction 62,5/125 µm GI fibre nominal, 4,95 mm outside diameter — Product standard

EN 4641-105:2010

Aerospace series — Cables, optical 125 µm diameter cladding — Part 105: Semi-loose, ruggedized quadraxial construction 62,5/125 µm GI fibre nominal, 5,72 mm outside diameter — Product standard

#### 49.140 Svemirski sustavi i radnje

##### Međunarodna normizacija (ISO)

ISO 23339:2010

Space systems — Unmanned spacecraft — Estimating the mass of remaining usable propellant

#### 53.020.20 Dizalice

##### Europska normizacija

EN 12999:2011

Cranes — Loader cranes

EN 15011:2011

Cranes — Bridge and gantry cranes

#### 53.020.99 Druga oprema za dizanje

##### Međunarodna normizacija (ISO)

ISO 16653-3:2011

Mobile elevating work platforms — Design, calculations, safety requirements and test methods relative to special features — Part 3: MEWPs for orchard operations

#### 53.040.10 Prijenosne vrpce

##### Europska normizacija

EN 617:2001+A1:2010

Continuous handling equipment and systems — Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers

EN 618:2002+A1:2010

Continuous handling equipment and systems — Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors

EN 620:2002+A1:2010

Continuous handling equipment and systems — Safety and EMC requirements for fixed belt conveyors for bulk materials

#### 53.040.30 Pneumatski prijenos i njegove sastavnice

##### Europska normizacija

EN 741:2000+A1:2010

Continuous handling equipment and systems — Safety requirements for systems and their components for pneumatic handling of bulk materials

#### 53.060 Industrijski kamioni

##### Međunarodna normizacija (ISO)

ISO 22915-14:2010

Industrial trucks — Verification of stability — Part 14: Rough-terrain variable-reach trucks

## 53.100 Strojevi za zemljane radove

### Međunarodna normizacija (ISO)

ISO 6405-1:2004/Amd 1:2010  
Earth-moving machinery — Symbols for operator controls and other displays — Part 1: Common symbols — Amendment 1: Additional symbols

## 55.020 Pakiranje i raspačavanje roba općenito

### Međunarodna normizacija (ISO)

ISO 22742:2010  
Packaging — Linear bar code and two-dimensional symbols for product packaging

## 55.180.10 Kontejneri opće namjene

### Europska normizacija

EN 13044-1:2011  
Intermodal Loading Units — Marking — Part 1: Markings for identification

EN 13044-2:2011  
Intermodal Loading Units — Marking — Part 2: Markings of swap bodies related to rail operation

EN 13044-3:2011  
Intermodal Loading Units — Marking — Part 3: Markings of semi-trailers related to rail operation

## 59.080.30 Tekstilni proizvodi

### Europska normizacija

EN 13772:2011  
Textiles and textile products — Burning behaviour — Curtains and drapes — Measurement of flame spread of vertically oriented specimens with large ignition source

## 59.080.40 Premazane tkanine

### Međunarodna normizacija (ISO)

ISO 32100:2010  
Rubber- or plastics-coated fabrics — Physical and mechanical tests — Determination of flex resistance by the flexometer method

### Europska normizacija

EN ISO 32100:2010  
Rubber- or plastics-coated fabrics — Physical and mechanical tests — Determination of flex resistance by the flexometer method (ISO 32100:2010)

## 59.100.01 Gradiva za pojačanje mješavina općenito

### Međunarodna normizacija (ISO)

ISO 3343:2010  
Reinforcement yarns — Determination of twist balance index

ISO 4602:2010  
Reinforcements — Woven fabrics — Determination of number of yarns per unit length of warp and weft

## 59.100.10 Tekstilno staklo

### Međunarodna normizacija (ISO)

ISO 4603:1993/Amd 1:2010  
Textile glass — Woven fabrics — Determination of thickness; Amendment 1

## 59.140.30 Koža i krzno

### Međunarodna normizacija (ISO)

ISO 13365:2011  
Leather — Chemical tests — Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography

### Europska normizacija

EN ISO 13365:2011  
Leather — Chemical tests — Determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography (ISO 13365:2011)

## 61.060 Obuća

### Međunarodna normizacija (ISO)

ISO 10717:2010  
Footwear — Test method for slide fasteners — Burst strength

### Europska normizacija

EN ISO 10717:2010  
Footwear — Test method for slide fasteners — Burst strength (ISO 10717:2010)

## 65.060.50 Oprema za žetvu

### Međunarodna normizacija (ISO)

ISO 4254-11:2010  
Agricultural machinery — Safety — Part 11: Pick-up balers

### Europska normizacija

EN ISO 4254-11:2010  
Agricultural machinery — Safety — Part 11: Pick-up balers (ISO 4254-11:2010)

## 65.060.80 Oprema za šumarstvo

### Europska normizacija

EN 60745-2-13:2009/A1:2010  
Hand-held motor-operated electric tools — Safety — Part 2-13: Particular requirements for chain saws (IEC 60745-2-13:2006/A1:2009)

## 65.080 Gnojiva

### Europska normizacija

EN 15962:2011  
Fertilizers — Determination of the complexed micro-nutrient content and of the complexed fraction of micro-nutrients

## 65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

### Međunarodna normizacija (ISO)

ISO 12863:2010/Cor 1:2011  
Standard test method for assessing the ignition propensity of cigarettes; Technical Corrigendum 1

## 67.120.10 Meso i mesni proizvodi

### Europska normizacija

CWA 16255:2010

Meat raw materials obtained by deboning – Assessment of the muscle fibre structure – Pork, poultry and rabbit

## 67.120.20 Perad i jaja

### Europska normizacija

CWA 16255:2010

Meat raw materials obtained by deboning – Assessment of the muscle fibre structure – Pork, poultry and rabbit

## 67.200.10 Životinjske i biljne masti i ulja

### Međunarodna normizacija (ISO)

ISO 3656:2011

Animal and vegetable fats and oils – Determination of ultraviolet absorbance expressed as specific UV extinction

## 67.250 Gradiva i proizvodi u dodiru s hranom

### Europska normizacija

CEN/TR 852:2010

Plastics piping systems for the transport of water intended for human consumption – Migration assessment – Guidance on the interpretation of laboratory derived migration values

## 67.260 Postrojenja i oprema za prehrambenu industriju

### Europska normizacija

EN 12853:2001+A1:2010/AC:2010

Food processing machinery – Hand-held blenders and whisks – Safety and hygiene requirements

## 71.040.40 Kemijska analiza

### Europska normizacija

EN ISO 6145-5:2010

Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 5: Capillary calibration devices (ISO 6145-5:2009)

EN ISO 6145-7:2010

Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 7: Thermal mass-flow controllers (ISO 6145-7:2009)

EN ISO 6145-9:2010

Gas analysis – Preparation of calibration gas mixtures using dynamic volumetric methods – Part 9: Saturation method (ISO 6145-9:2009)

## 71.100.70 Kozmetika. Drogerijska roba

### Međunarodna normizacija (ISO)

ISO 28399:2011

Dentistry – Products for external tooth bleaching

## Europska normizacija

EN ISO 29621:2011

Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products (ISO 29621:2010)

## 75.080 Naftni proizvodi općenito

### Međunarodna normizacija (ISO)

ISO 16591:2010

Petroleum products – Determination of sulfur content – Oxidative microcoulometry method

ISO 3405:2011

Petroleum products – Determination of distillation characteristics at atmospheric pressure

### Europska normizacija

EN ISO 16591:2010

Petroleum products – Determination of sulfur content – Oxidative microcoulometry method (ISO 16591:2010)

EN ISO 3405:2011

Petroleum products – Determination of distillation characteristics at atmospheric pressure (ISO 3405:2011)

## 75.100 Maziva, industrijska ulja i srodni proizvodi

### Međunarodna normizacija (ISO)

ISO 3987:2010/Cor 1:2011

Petroleum products – Determination of sulfated ash in lubricating oils and additives; Technical Corrigendum 1

## 75.120 Hidraulički fluidi

### Međunarodna normizacija (ISO)

ISO 4404-2:2010

Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids – Part 2: Non-aqueous fluids

ISO 7745:2010

Hydraulic fluid power – Fire-resistant (FR) fluids – Requirements and guidelines for use

ISO 20783-1:2011

Petroleum and related products – Determination of emulsion stability of fire-resistant fluids – Part 1: Fluids in category HFAE

ISO 20843:2011

Petroleum and related products – Determination of pH of fire-resistant fluids within categories HFAE, HFAS and HFC

### Europska normizacija

EN ISO 4404-2:2010

Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids – Part 2: Non-aqueous fluids (ISO 4404-2:2010)

EN ISO 20783-1:2011

Petroleum and related products – Determination of emulsion stability of fire-resistant fluids – Part 1: Fluids in category HFAE (ISO 20783-1:2011)

EN ISO 20843:2011

Petroleum and related products – Determination of pH of fire-resistant fluids within categories HFAE, HFAS and HFC (ISO 20843:2011)

## 75.180.10 Oprema za iskorištavanje i vađenje

### Međunarodna normizacija (ISO)

- ISO 13500:2008/AMD 1:2010  
Petroleum and natural gas industries – Drilling fluid materials – Specifications and tests – Amendment 1: Barite 4,1
- ISO 13628-4:2010  
Petroleum and natural gas industries – Design and operation of subsea production systems – Part 4: Subsea wellhead and tree equipment
- ISO 13678:2010  
Petroleum and natural gas industries – Evaluation and testing of thread compounds for use with casing, tubing, line pipe and drill stem elements
- ISO 19901-3:2010  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 3: Topsides structure
- ISO 19906:2010  
Petroleum and natural gas industries – Arctic offshore structures

### Europska normizacija

- EN ISO 13500:2008/A1:2010  
Petroleum and natural gas industries – Drilling fluid materials – Specifications and tests – Amendment 1: Barite 4,1 (ISO 13500:2008/AMD 1:2010)
- EN ISO 13628-4:2010  
Petroleum and natural gas industries – Design and operation of subsea production systems – Part 4: Subsea wellhead and tree equipment (ISO 13628-4:2010)
- EN ISO 19901-3:2010  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 3: Topsides structure (ISO 19901-3:2010)
- EN ISO 19906:2010  
Petroleum and natural gas industries – Arctic offshore structures (ISO 19906:2010)

## 75.200 Naftni proizvodi i oprema za rukovanje prirodnim plinom

### Međunarodna normizacija (ISO)

- ISO 14531-3:2010  
Plastics pipes and fittings – Crosslinked polyethylene (PE-X) pipe systems for the conveyance of gaseous fuels – Metric series – Specifications – Part 3: Fittings for mechanical jointing (including PE-X/metal transitions)
- ISO 28460:2010  
Petroleum and natural gas industries – Installation and equipment for liquefied natural gas – Ship-to-shore interface and port operations

### Europska normizacija

- EN ISO 28460:2010  
Petroleum and natural gas industries – Installation and equipment for liquefied natural gas – Ship-to-shore interface and port operations (ISO 28460:2010)

## 77.040.10 Mehaničko ispitivanje kovina

### Međunarodna normizacija (ISO)

- ISO 12737:2010  
Metallic materials – Determination of plane-strain fracture toughness

### Europska normizacija

- EN ISO 12737:2010  
Metallic materials – Determination of plane-strain fracture toughness (ISO 12737:2010)

## 77.080.10 Željeza

### Međunarodna normizacija (ISO)

- ISO/TR 945-2:2011  
Microstructure of cast irons – Part 2: Graphite classification by image analysis

## 77.120.50 Titan i titanske slitine

### Međunarodna normizacija (ISO)

- ISO 28401:2010  
Light metals and their alloys – Titanium and titanium alloys – Classification and terminology

## 77.140.20 Čelici visoke kakvoće

### Međunarodna normizacija (ISO)

- ISO 15510:2010  
Stainless steels – Chemical composition

## 77.140.50 Proizvodi i poluproizvodi od ravnog čelika

### Međunarodna normizacija (ISO)

- ISO 3575:2011  
Continuous hot-dip zinc-coated carbon steel sheet of commercial and drawing qualities
- ISO 4998:2011  
Continuous hot-dip zinc-coated carbon steel sheet of structural quality
- ISO 4999:2011  
Continuous hot-dip terne (lead alloy) coated cold-reduced carbon steel sheet of commercial, drawing and structural qualities
- ISO 5000:2011  
Continuous hot-dip aluminium-silicon-coated cold-reduced carbon steel sheet of commercial and drawing qualities
- ISO 14788:2011  
Continuous hot-dip zinc-5 % aluminium alloy coated steel sheet
- ISO 16160:2011  
Continuously hot-rolled steel sheet products – Dimensional and shape tolerances

## 77.140.75 Čelične cijevi

### Europska normizacija

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

## 77.160 Metalurgija praha

### Međunarodna normizacija (ISO)

- ISO 3927:2011  
Metallic powders, excluding powders for hardmetals – Determination of compressibility in uniaxial compression

## 81.040.20 Građevno staklo

### Međunarodna normizacija (ISO)

ISO 28278-2:2010

Glass in building – Glass products for structural sealant glazing – Part 2: Assembly rules

### Europska normizacija

EN 12758:2011

Glass in building – Glazing and airborne sound insulation – Product descriptions and determination of properties

## 81.060.10 Sirovine

### Europska normizacija

EN 15979:2011

Testing of ceramic raw and basic materials – Direct determination of mass fractions of impurities in powders and granules of silicon carbide by OES by DC arc excitation

EN 15991:2011

Testing of ceramic and basic materials – Direct determination of mass fractions of impurities in powders and granules of silicon carbide by inductively coupled plasma optical emission spectrometry (ICP OES) with electrothermal vaporisation (ETV)

## 81.060.30 Keramika

### Međunarodna normizacija (ISO)

ISO 10676:2010

Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for water purification performance of semiconducting photocatalytic materials by measurement of forming ability of active oxygen

## 83.060 Guma

### Međunarodna normizacija (ISO)

ISO 21561:2005/Amd 1:2010

Styrene-butadiene rubber (SBR) – Determination of the microstructure of solution-polymerized SBR

## 83.080.01 Plastika općenito

### Međunarodna normizacija (ISO)

ISO 178:2010

Plastics – Determination of flexural properties

ISO 4611:2010

Plastics – Determination of the effects of exposure to damp heat, water spray and salt mist

### Europska normizacija

EN ISO 178:2010

Plastics – Determination of flexural properties (ISO 178:2010)

EN ISO 877-1:2010

Plastics – Methods of exposure to solar radiation – Part 1: General guidance (ISO 877-1:2009)

EN ISO 877-2:2010

Plastics – Methods of exposure to solar radiation – Part 2: Direct weathering and exposure behind window glass (ISO 877-2:2009)

EN ISO 877-3:2010

Plastics – Methods of exposure to solar radiation – Part 3: Intensified weathering using concentrated solar radiation (ISO 877-3:2009)

EN ISO 4611:2010

Plastics – Determination of the effects of exposure to damp heat, water spray and salt mist (ISO 4611:2010)

## 83.080.10 Termostatična gradiva

### Međunarodna normizacija (ISO)

ISO 15064:2010

Plastics – Aromatic isocyanates for use in the production of polyurethanes – Determination of the isomer ratio in toluenediisocyanate

## 83.080.20 Termoplastična gradiva

### Međunarodna normizacija (ISO)

ISO 11337:2010

Plastics – Polyamides – Determination of *ε*-caprolactam and *w*-laurolactam by gas chromatography

### Europska normizacija

EN ISO 11337:2010

Plastics – Polyamides – Determination of *ε*-caprolactam and *w*-laurolactam by gas chromatography (ISO 11337:2010)

## 83.120 Armirana plastika

### Međunarodna normizacija (ISO)

ISO 1268-4:2005/Amd 1:2010

Fibre-reinforced plastics – Methods of producing test plates – Part 4: Moulding of prepregs

ISO 10352:2010

Fibre-reinforced plastics – Moulding compounds and prepregs – Determination of mass per unit area

### Europska normizacija

EN ISO 10352:2010

Fibre-reinforced plastics – Moulding compounds and prepregs – Determination of mass per unit area (ISO 10352:2010)

## 83.180 Adhezivi

### Europska normizacija

EN 15275:2007/AC:2010

Structural adhesives – Characterisation of anaerobic adhesives for co-axial metallic assembly in building and civil engineering structures

## 85.060 Papir i karton

### Europska normizacija

EN ISO 12625-8:2010

Tissue paper and tissue products – Part 8: Water-absorption time and water-absorption capacity, basket-immersion test method (ISO 12625-8:2010)

## 85.080.20 Higijenski papir

### Međunarodna normizacija (ISO)

ISO 12625-8:2010

Tissue paper and tissue products – Part 8: Water-absorption time and water-absorption capacity, basket-immersion test method

## 85.100 Oprema za papirnu industriju

### Europska normizacija

EN 1010-1:2004+A1:2010  
Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 1: Common requirements

## 87.040 Boje i lakovi

### Međunarodna normizacija (ISO)

ISO 1519:2011  
Paints and varnishes — Bend test (cylindrical mandrel)

### Europska normizacija

EN ISO 1519:2011  
Paints and varnishes — Bend test (cylindrical mandrel) (ISO 1519:2011)

## 91.010.20 Ugovorni aspekti

### Međunarodna normizacija (ISO)

ISO 10845-2:2011  
Construction procurement — Part 2: Formatting and compilation of procurement documentation

ISO 10845-3:2011  
Construction procurement — Part 3: Standard conditions of tender

ISO 10845-4:2011  
Construction procurement — Part 4: Standard conditions for the calling for expressions of interest

ISO 10845-5:2011  
Construction procurement — Part 5: Participation of targeted enterprises in contracts

ISO 10845-6:2011  
Construction procurement — Part 6: Participation of targeted partners in joint ventures in contracts

ISO 10845-7:2011  
Construction procurement — Part 7: Participation of local enterprises and labour in contracts

ISO 10845-8:2011  
Construction procurement — Part 8: Participation of targeted labour in contracts

## 91.040.01 Zgrade općenito

### Europska normizacija

EN ISO 16484-5:2010  
Building automation and control systems — Part 5: Data communication protocol (ISO 16484-5:2010)

## 91.060.01 Elementi građevina općenito

### Europska normizacija

EN ISO 11925-2:2010/AC:2011  
Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test — Technical Corrigendum 1 (ISO 11925-2:2010/Cor 1:2011)

## 91.060.10 Zidovi. Pregrade. Pročelja

### Europska normizacija

EN 15080-12:2011  
Extended application of results from fire resistance tests — Part 12: Loadbearing masonry walls

## 91.060.50 Vrata i prozori

### Međunarodna normizacija (IEC)

IEC 60335-2-103 Ed.2.1:2011  
Household and similar electrical appliances — Safety — Part 2-103: Particular requirements for drives for gates, doors and windows

## 91.100.01 Građevna gradiva općenito

### Europska normizacija

EN ISO 11925-2:2010/AC:2011  
Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test — Technical Corrigendum 1 (ISO 11925-2:2010/Cor 1:2011)

## 91.100.15 Mineralna gradiva i proizvodi

### Europska normizacija

EN 1097-1:2011  
Tests for mechanical and physical properties of aggregates — Part 1: Determination of the resistance to wear (micro-Deval)

EN 1367-5:2011  
Tests for thermal and weathering properties of aggregates — Part 5: Determination of resistance to thermal shock

## 91.100.50 Veziva. Brtvena gradiva

### Europska normizacija

EN 1110:2010  
Flexible sheets for waterproofing — Bitumen sheets for roof waterproofing — Determination of flow resistance at elevated temperature

## 91.100.60 Gradiva za toplinsku i zvučnu izolaciju

### Međunarodna normizacija (ISO)

ISO 12623:2011  
Thermal insulating products for building equipment and industrial installations — Determination of short-term water absorption by partial immersion of preformed pipe insulation

ISO 12624:2011  
Thermal insulating products for building equipment and industrial installations — Determination of trace quantities of water soluble chloride, fluoride, silicate, sodium ions and Ph

ISO 12628:2011  
Thermal insulating products for building equipment and industrial installations — Determination of dimensions, squareness and linearity of preformed pipe insulation

ISO 12629:2011  
Thermal insulating products for building equipment and industrial installations — Determination of water vapour transmission properties of preformed pipe insulation

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Europska normizacija

EN 12758:2011  
Glass in building — Glazing and airborne sound insulation — Product descriptions and determination of properties

## 91.120.40 Zaštita od groma

### Međunarodna normizacija (IEC)

- IEC 62305-1:2010  
Protection against lightning – Part 1: General principles
- IEC 62305-2:2010  
Protection against lightning – Part 2: Risk management
- IEC 62305-3:2010  
Protection against lightning – Part 3: Physical damage to structures and life hazard
- IEC 62305-4:2010  
Protection against lightning – Part 4: Electrical and electronic systems within structures

## 91.140.10 Sustavi centralnoga grijanja

### Europska normizacija

- EN 15420:2010  
Gas-fired central heating boilers – Type C boilers of nominal heat input exceeding 70 kW, but not exceeding 1 000 kW

## 91.140.90 Dizala. Pokretne stube

### Europska normizacija

- EN 81-41:2010  
Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 41: Vertical lifting platforms intended for use by persons with impaired mobility

## 93.030 Vanjska kanalizacija

### Europska normizacija

- EN 15885:2010  
Classification and characteristics of techniques for renovation and repair of drains and sewers
- EN 476:2011  
General requirements for components used in drains and sewers

## 93.080.20 Sredstva za cestogradnju

### Europska normizacija

- EN 1367-5:2011  
Tests for thermal and weathering properties of aggregates – Part 5: Determination of resistance to thermal shock

## 93.080.30 Cestovna oprema i instalacije

### Europska normizacija

- EN 1794-1:2011  
Road traffic noise reducing devices – Non-acoustic performance – Part 1: Mechanical performance and stability requirements
- EN 1794-2:2011  
Road traffic noise reducing devices – Non-acoustic performance – Part 2: General safety and environmental requirements

## 97.030 Kućanska električna oprema općenito

### Međunarodna normizacija (IEC)

- IEC 62301:2011  
Household electrical appliances – Measurement of standby power

## 97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

### Međunarodna normizacija (IEC)

- IEC 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

### Europska normizacija

- EN 61591:1997/A2:2011  
Household range hoods and other cooking fume extractors – Methods for measuring performance – Amendment 2 (IEC 61591:1997/am2:2011)

## 97.120 Automatsko upravljanje za kućansku uporabu

### Međunarodna normizacija (ISO)

- ISO 16484-5:2010  
Building automation and control systems – Part 5: Data communication protocol

## 97.160 Kućanski tekstili. Posteljina

### Europska normizacija

- EN 13772:2011  
Textiles and textile products – Burning behaviour – Curtains and drapes – Measurement of flame spread of vertically oriented specimens with large ignition source

## 97.170 Oprema za njegu tijela

### Europska normizacija

- EN ISO 28399:2011  
Dentistry – Products for external tooth bleaching (ISO 28399:2011)

## 97.190 Kućanska oprema za djecu

### Europska normizacija

- EN 12586:2007+A1:2011  
Child use and care articles – Soother holder – Safety requirements and test methods

## 97.200.50 Igračke

### Europska normizacija

- EN 71-1:2005+A14:2011  
Safety of toys – Part 1: Mechanical and physical properties

## 97.200.99 Druga oprema za zabavu

### Europska normizacija

- CWA 16259:2011  
Responsible Remote Gambling Measures