

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

5/2013 rujan, 2013.

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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4.1	Cjenik hrvatskih norma	
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# Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme.

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

### HZNTO 5, *Metalne cijevi i priključci*

HRN EN 1591-4:2013 en pr  
Prirubnice i njihovi spojevi – 4. dio: Kvalifikacija kompetentnosti osoblja kod sastavljanja vijčanih spojeva za kritični servis tlačnih sustava (EN 1591-4:2013)

Flanges and their joints – Part 4: Qualification of personnel competency in the assembly of the bolted connections of critical service pressurized systems (EN 1591-4:2013)

HRN EN ISO 10380:2013 en pr  
Cjevovodi – Valovite metalne cijevi i cijevni sklopovi (ISO 10380:2012; EN ISO 10380:2012)  
Pipework – Corrugated metal hoses and hose assemblies (ISO 10380:2012; EN ISO 10380:2012)

HRN EN 12842:2013 en pr  
Duktilni željezni spojni dijelovi za PVC-U ili PE cijevne sustave – Zahtjevi i metode ispitivanja (EN 12842:2012)  
Ductile iron fittings for PVC-U or PE piping systems – Requirements and test methods (EN 12842:2012)

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

HRN EN ISO 217:2013 en pr  
Papir – Neobrezani arci – Označavanje i dopušteno odstupanje za glavne i sporedne formate te određivanje uzdužnoga smjera (MD) (ISO 217:2013; EN ISO 217:2013)  
Paper – Untrimmed sizes – Designation and tolerances for primary and supplementary ranges, and indication of machine direction (ISO 217:2013; EN ISO 217:2013)

HRN EN ISO 3037:2013 en pr  
Valoviti karton – Određivanje otpornosti brida na pritisak (metoda nevoštanog brida) (metoda ECT) (ISO 3037:2013; EN ISO 3037:2013)  
Corrugated fibreboard – Determination of edgewise crush resistance (unwaxed edge method) (ISO 3037:2013; EN ISO 3037:2013)

### HZNTO 8, *Brodogradnja*

HRN EN 280:2013 en pr  
Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi (EN 280:2013)  
Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests (EN 280:2013)

HRN EN ISO 7840:2013 en pr  
Mala plovila – Vatrootporne savitljive cijevi za gorivo (ISO 7840:2013; EN ISO 7840:2013)  
Small craft – Fire-resistant fuel hoses (ISO 7840:2013; EN ISO 7840:2013)

HRN EN ISO 8469:2013 en pr  
Mala plovila – Savitljive cijevi za gorivo neotporne na vatru (ISO 8469:2013; EN ISO 8469:2013)  
Small craft – Non-fire-resistant fuel hoses (ISO 8469:2013; EN ISO 8469:2013)

HRN EN ISO 10088:2013 en pr  
Mala plovila – Trajno ugrađeni sustavi goriva (ISO 10088:2013; EN ISO 10088:2013)  
Small craft – Permanently installed fuel systems (ISO 10088:2013; EN ISO 10088:2013)

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

HRN DIN VDE 0833-1:2013 de pr  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 1. dio: Opći zahtjevi (DIN VDE 0833-1:2009)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 1: Allgemeine Festlegungen (DIN VDE 0833-1:2009)

HRN DIN VDE 0833-2:2013 de pr  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2009)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (DIN VDE 0833-2:2009)

### HZNTO 22, *Cestovna vozila*

HRN ISO 10521-1:2013 en pr  
Cestovna vozila – Cestovno opterećenje – 1. dio: Određivanje pri referencijskim atmosferskim uvjetima (ISO 10521-1:2006)  
Road vehicles – Road load – Part 1: Determination under reference atmospheric conditions (ISO 10521-1:2006)

HRN ISO 10521-2:2013 en pr  
Cestovna vozila – Cestovno opterećenje – 2. dio: Simulacija na ispitnim valjcima (ISO 10521-2:2006)  
Road vehicles – Road load – Part 2: Reproduction on chassis dynamometer (ISO 10521-2:2006)

HRN ISO 10571:2013 en pr  
Gume za pokretne dizalice i slične posebne strojeve (ISO 10571:2011)  
Tyres for mobile cranes and similar specialized machines (ISO 10571:2011)

HRN ISO 10605:2013 en pr  
Cestovna vozila – Metode ispitivanja električnih smetnji od elektrostatičkih pražnjenja (ISO 10605:2008+Cor 1:2010)  
Road vehicles – Test methods for electrical disturbances from electrostatic discharge (ISO 10605:2008+Cor 1:2010)

HRN ISO 11096:2013 en pr  
Cestovna vozila – Zaštita pješaka – Metoda ispitivanja udarom u bedro, nogu i koljeno pješaka (ISO 11096:2011)  
Road vehicles – Pedestrian protection – Impact test method for pedestrian thigh, leg and knee (ISO 11096:2011)

HRN ISO 11155-2:2013 en pr  
Cestovna vozila – Filtri zraka za putničke prostore – 2. dio: Ispitivanje filtracije plinova (ISO 11155-2:2009)  
Road vehicles – Air filters for passenger compartments – Part 2: Test for gaseous filtration (ISO 11155-2:2009)

HRN ISO 11157:2013 en pr  
Cestovna vozila – Sklopovi kočničkih tarnih obloga – Metoda ispitivanja pomoću inercijskog dinamometra (ISO 11157:2005)  
Road vehicles – Brake lining assemblies – Inertia dynamometer test method (ISO 11157:2005)

- HRN ISO 11407:2013 en pr  
Gospodarska cestovna vozila – Mehanička veza između vučnih vozila sa spojnicom ugrađenom spuštenu i uvučenu pod stražnji dio i prikolica sa središnjom osovinom – Zamjenjivost (ISO 11407:2004)  
Commercial road vehicles – Mechanical coupling between towing vehicles, with coupling mounted forward and below, and centre-axle trailers – Interchangeability (ISO 11407:2004)
- HRN ISO 11451-1:2008/A1:2013 en pr  
Cestovna vozila – Metode ispitivanja vozila na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 1. dio: Opća načela i nazivlje (ISO 11451-1:2005/Amd 1:2008)  
Road vehicles – Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 1: General principles and terminology (ISO 11451-1:2005/Amd 1:2008)
- HRN ISO 11451-3:2013 en pr  
Cestovna vozila – Metode ispitivanja vozila na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 3. dio: Simulacija smetnja od odašiljača smještenih u vozilo (ISO 11451-3:2007)  
Road vehicles – Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 3: On-board transmitter simulation (ISO 11451-3:2007)
- HRN ISO 11451-4:2013 en pr  
Cestovna vozila – Metode ispitivanja vozila na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 4. dio: Metoda uvođenja struje (BCI) (ISO 11451-4:2013)  
Road vehicles – Vehicle test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 4: Bulk current injection (BCI) (ISO 11451-4:2013)
- HRN ISO 11452-1:2008/A1:2013 en pr  
Cestovna vozila – Metode ispitivanja sastavnica na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 1. dio: Opća načela i nazivlje (ISO 11452-1:2005/Amd 1:2008)  
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 1: General principles and terminology (ISO 11452-1:2005/Amd 1:2008)
- HRN ISO 11452-7:2013 en pr  
Cestovna vozila – Metode ispitivanja sastavnica na električne smetnje od uskopojasnoga zračenja elektromagnetske energije – 7. dio: Izravno uvođenje radiofrekvencijske (RF) snage (ISO 11452-7:2003+Amd 1:2013)  
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 7: Direct radio frequency (RF) power injection (ISO 11452-7:2003+Amd 1:2013)
- HRN ISO 11460:2013 en pr  
Motocikli na dva kotača – Položaj uređaja za osvjetljavanje i svjetlosnu signalizaciju (ISO 11460:2007)  
Two-wheeled motorcycles – Positioning of lighting and light-signalling devices (ISO 11460:2007)
- HRN ISO 11565:2013 en pr  
Cestovna vozila – Svjećice – Metode ispitivanja i zahtjevi (ISO 11565:2006+Cor 1:2007)  
Road vehicles – Spark-plugs – Test methods and requirements (ISO 11565:2006+Cor 1:2007)
- HRN ISO 11795:2005/A1:2013 en pr  
Gume za pogonske kotače poljoprivrednih traktora – Metoda mjerenja opsega kotrljanja gume (ISO 11795:1997/Amd 1:2010)  
Agricultural tractor drive wheel tyres – Method of measuring tyre rolling circumference (ISO 11795:1997/Amd 1:2010)
- HRN ISO 11898-3:2013 en pr  
Cestovna vozila – Upravljačka podatkovna mreža (sabinica CAN) – 3. dio: Sučelje male brzine, tolerantno na pogreške, ovisno o mediju (ISO 11898-3:2006+Cor 1:2006)  
Road vehicles – Controller area network (CAN) – Part 3: Low-speed, fault-tolerant, medium-dependent interface (ISO 11898-3:2006+Cor 1:2006)
- HRN ISO 21069-1:2013 en pr  
Cestovna vozila – Ispitivanje sustava kočenja na vozilima najveće dopuštene ukupne mase veće od 3,5 t uporabom uređaja s valjcima za ispitivanje kočnica – 1. dio: Zračni sustavi kočenja (ISO 21069-1:2004)  
Road vehicles – Test of braking systems on vehicles with a maximum authorized total mass of over 3,5 t using a roller brake tester – Part 1: Pneumatic braking systems (ISO 21069-1:2004)
- HRN ISO 21069-2:2013 en pr  
Cestovna vozila – Ispitivanje sustava kočenja na vozilima najveće dopuštene ukupne mase veće od 3,5 t uporabom uređaja s valjcima za ispitivanje kočnica – 2. dio: Zračno-hidraulični i hidraulični sustavi kočenja (ISO 21069-2:2008)  
Road vehicles – Test of braking systems on vehicles with a maximum authorized total mass of over 3,5 t using a roller brake tester – Part 2: Air over hydraulic and purely hydraulic braking systems (ISO 21069-2:2008)

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

- HRN EN ISO 5395-2:2013 en pr  
Oprema za vrtove i parkove – Sigurnosni zahtjevi za kosilice trave pogonjene motorom s unutrašnjim izgaranjem – 2. dio: Nožno upravljane kosilice trave (ISO 5395-2:2013; EN ISO 5395-2:2013)  
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 2: Pedestrian-controlled lawnmowers (ISO 5395-2:2013; EN ISO 5395-2:2013)

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

- HRN ISO 5530-1:2013 en pr  
Pšenično brašno – Fizikalna svojstva tijesta – 1. dio: Određivanje apsorpcije vode i reoloških svojstava farinografom (ISO 5530-1:2013)  
Wheat flour – Physical characteristics of doughs – Part 1: Determination of water absorption and rheological properties using a farinograph (ISO 5530-1:2013)
- HRN ISO 7700-1:2013 en pr  
Prehrambeni proizvodi – Provjera rada vlagomjera u upotrebi – 1. dio: Vlagomjeri za žitarice (ISO 7700-1:2008)  
Food products – Checking the performance of moisture meters in use – Part 1: Moisture meters for cereals (ISO 7700-1:2008)
- HRN ISO 17715:2013 en pr  
Pšenično brašno (*Triticum aestivum* L.) – Amperometrijska metoda mjerenja oštećenja škroba (ISO 17715:2013)  
Flour from wheat (*Triticum aestivum* L.) – Amperometric method for starch damage measurement (ISO 17715:2013)
- HRN ISO 17718:2013 en pr  
Neprosijano i pšenično brašno (*Triticum aestivum* L.) – Određivanje reoloških karakteristika kao funkcije miješanja i povećanja temperature (ISO 17718:2013)  
Wholemeal and flour from wheat (*Triticum aestivum* L.) – Determination of rheological behaviour as a function of mixing and temperature increase (ISO 17718:2013)

## HZNTO 35, *Boje i lakovi*

- HRN EN ISO 11664-3:2013 en pr  
Kolorimetrija – 3. dio: CIE tristimulus vrijednosti  
(ISO 11664-3:2012; EN ISO 11664-3:2013)  
Colorimetry – Part 3: CIE tristimulus values  
(ISO 11664-3:2012; EN ISO 11664-3:2013)
- HRN ISO 16482-2:2013 en pr  
Veziva za boje i lakove – Određivanje količine nehlapljivih tvari vodenih disperzija smole – 2. dio: Mikrovalna metoda (ISO 16482-2:2013)  
Binders for paints and varnishes – Determination of the non-volatile-matter content of aqueous rosin-resin dispersions – Part 2: Microwave method (ISO 16482-2:2013)

## HZNTO 43, *Akustika*

- HRN EN ISO 2922:2001/A1:2013 en pr  
Akustika – Mjerenja buke koju emitiraju plovni objekti na unutarnjim vodama i u lukama  
(ISO 2922:2000/Amd 1:2013; EN ISO 2922:2000/A1:2013)  
Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours  
(ISO 2922:2000/Amd 1:2013; EN ISO 2922:2000/A1:2013)
- HRN EN 16205:2013 en pr  
Laboratorijsko mjerenje buke hodanja po podovima (EN 16205:2013)  
Laboratory measurement of walking noise on floors (EN 16205:2013)

## HZNTO 44, *Zavarivanje i srodni postupci*

- HRN EN ISO 6847:2013 en pr  
Dodatni i potrošni materijali za zavarivanje – Navarivanje metala zavara za kemijsku analizu (ISO 6847:2013; EN ISO 6847:2013)  
Welding consumables – Deposition of a weld metal pad for chemical analysis (ISO 6847:2013; EN ISO 6847:2013)
- HRN EN ISO 9017:2013 en pr  
Razorno ispitivanje zavara metalnih materijala – Ispitivanje lomljenjem (ISO 9017:2001; EN ISO 9017:2013)  
Destructive tests on welds in metallic materials – Fracture test (ISO 9017:2001; EN ISO 9017:2013)
- HRN EN ISO 9312:2013 en pr  
Oprema za elektrootporno zavarivanje – Izolirani mehanički osigurači za upotrebu u elektrodnim osloncima (ISO 9312:2013; EN ISO 9312:2013)  
Resistance welding equipment – Insulated pins for use in electrode back-ups (ISO 9312:2013; EN ISO 9312:2013)
- HRN EN ISO 9692-1:2013 en pr  
Zavarivanje i srodni postupci – Vrste pripreme spoja – 1. dio: Ručno elektrolučno zavarivanje, MIG/ MAG zavarivanje, plinsko zavarivanje, TIG zavarivanje i zavarivanje čelika elektronskim snopom (ISO 9692-1:2013; EN ISO 9692-1:2013)  
Welding and allied processes – Types of joint preparation – Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2013; EN ISO 9692-1:2013)
- HRN EN ISO 10675-1:2013 en pr  
Nerazorno ispitivanje zavarenih spojeva – Razine prihvatljivosti za radiografsko ispitivanje – 1. dio: Čelik, nikel, titan i njihove legure (ISO 10675-1:2008; EN ISO 10675-1:2013)  
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 1: Steel, nickel, titanium and their alloys (ISO 10675-1:2008;

EN ISO 10675-1:2013)

- HRN EN ISO 10675-2:2013 en pr  
Nerazorno ispitivanje zavarenih spojeva – Razine prihvatljivosti za radiografsko ispitivanje – 2. dio: Aluminij i njegove legure (ISO 10675-2:2010; EN ISO 10675-2:2013)  
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 2: Aluminium and its alloys (ISO 10675-2:2010; EN ISO 10675-2:2013)
- HRN EN ISO 12996:2013 en pr  
Mehaničko spajanje – Razorno ispitivanje spojeva – Dimenzije ispitnoga uzorka i postupak vlačnog smičnog ispitivanja pojedinačnih spojeva (ISO 12996:2013; EN ISO 12996:2013)  
Mechanical joining – Destructive testing of joints – Specimen dimensions and test procedure for tensile shear testing of single joints (ISO 12996:2013; EN ISO 12996:2013)
- HRN EN ISO 15614-14:2013 en pr  
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 14. dio: Hibridno zavarivanje čelika, nikla i legura nikla laserom i električnim lukom (ISO 15614-14:2013; EN ISO 15614-14:2013)  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 14: Laser-arc hybrid welding of steels, nickel and nickel alloys (ISO 15614-14:2013; EN ISO 15614-14:2013)
- HRN EN ISO 15626:2013 en pr  
Nerazorno ispitivanje zavarenih spojeva – Tehnika ultrazvučne difrakcije (TOFD) – Razine prihvatljivosti (ISO 15626:2011; EN ISO 15626:2013)  
Non-destructive testing of welds – Time-of-flight diffraction technique (TOFD) – Acceptance levels (ISO 15626:2011; EN ISO 15626:2013)
- HRN EN ISO 17639:2013 en pr  
Razorno ispitivanje zavara metalnih materijala – Makroskopsko i mikroskopsko ispitivanje zavara (ISO 17639:2003; EN ISO 17639:2013)  
Destructive tests on welds in metallic materials – Macroscopic and microscopic examination of welds (ISO 17639:2003; EN ISO 17639:2013)

## HZNTO 54, *Eterična ulja*

- HRN ISO 10115:2013 en pr  
Eterično ulje estragona (*Artemisia dracunculus* L.) (ISO 10115:2013)  
Essential oil of tarragon (*Artemisia dracunculus* L.) (ISO 10115:2013)
- HRN ISO 25157:2013 en pr  
Eterično ulje ruže, kineski kushui tip (*Rosa sertata* x *Rosa rugosa*) (ISO 25157:2013)  
Essential oil of rose, Chinese Kushui type (*Rosa sertata* x *Rosa rugosa*) (ISO 25157:2013)

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

- HRN EN 14825:2013 en pr  
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajka (EN 14825:2013)  
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance (EN 14825:2013)



## HZN/TO 89, *Furniri i drvne ploče*

- HRN EN 12871:2013 en pr  
Ploče na osnovi drva – Utvrđivanje uporabnih svojstava za nosive ploče za podove, krovove i zidove (EN 12871:2013)  
Wood-based panels – Determination of performance characteristics for load bearing panels for use in floors, roofs and walls (EN 12871:2013)

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

- HRN EN ISO 10819:2013 en pr  
Mehaničke vibracije i udari – Vibracije ruke – Metoda mjerenja i vrednovanje prenosa vibracija rukavica na dlan ruke (ISO 10819:2013; EN ISO 10819:2013)  
Mechanical vibration and shock – Hand-arm vibration – Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand (ISO 10819:2013; EN ISO 10819:2013)

## HZN/TO 120, *Koža i obuća*

- HRN EN ISO 16187:2013 en pr  
Obuća i dijelovi obuće – Metoda ispitivanja za procjenu antibakterijskog djelovanja (ISO 16187:2013; EN ISO 16187:2013)  
Footwear and footwear components – Test method to assess antibacterial activity (ISO 16187:2013; EN ISO 16187:2013)
- HRS CEN ISO/TS 16189:2013 en pr  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvantitativna metoda određivanja dimetilformamida u materijalima za obuću (ISO/TS 16189:2013; CEN ISO/TS 16189:2013)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine dimethylformamide in footwear materials (ISO/TS 16189:2013; CEN ISO/TS 16189:2013)
- HRS CEN ISO/TS 16190:2013 en pr  
Obuća – Kritične tvari potencijalno prisutne u obući i dijelovima obuće – Kvalitativna metoda određivanja policikličnih aromatskih ugljikovodika (PAH) u materijalima za obuću (ISO/TS 16190:2013; CEN ISO/TS 16190:2013)  
Footwear – Critical substances potentially present in footwear and footwear components – Test method to quantitatively determine polycyclic aromatic hydrocarbons (PAH) in footwear materials (ISO/TS 16190:2013; CEN ISO/TS 16190:2013)

## HZN/TO 126, *Duhan i duhanski proizvodi*

- HRN ISO 2971:2013 en pr  
Cigarete i filter štapići – Određivanje nominalnog dijametra – Metoda s nekontaktnim optičkim mjernim uređajem (ISO 2971:2013)  
Cigarettes and filter rods – Determination of nominal diameter – Method using a non-contact optical measuring apparatus (ISO 2971:2013)
- HRN ISO 7210:2013 en pr  
Rutinski analitički uređaj za pušenje cigareta – Dodatne metode ispitivanja za potvrđivanje/verifikaciju uređaja (ISO 7210:2013)  
Routine analytical cigarette-smoking machine – Additional test methods for machine verification (ISO 7210:2013)
- HRN ISO 10315:2013 en pr  
Cigarete – Određivanje nikotina u dimnom kondenzatu – Metoda plinske kromatografije (ISO 10315:2013)  
Cigarettes – Determination of nicotine in smoke condensates – Gas-chromatographic method (ISO 10315:2013)

- HRN ISO 16632:2013 en pr  
Duhan i duhanski proizvodi – Određivanje sadržaja vode – Metoda plinske kromatografije (ISO 16632:2013)  
Tobacco and tobacco products – Determination of water content – Gas-chromatographic method (ISO 16632:2013)

## HZN/TO 135, *Nerazorna ispitivanja*

- HRN EN ISO 3452-1:2013 en pr  
Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (ISO 3452-1:2013; EN ISO 3452-1:2013)  
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2013; EN ISO 3452-1:2013)
- HRN EN ISO 19232-1:2013 en pr  
Nerazorno ispitivanje – Kvaliteta radiograma – 1. dio: Određivanje kvalitete radiograma upotrebom žičanih indikatora (ISO 19232-1:2013; EN ISO 19232-1:2013)  
Non-destructive testing – Image quality of radiographs – Part 1: Determination of the image quality value using wire-type image quality indicators (ISO 19232-1:2013; EN ISO 19232-1:2013)
- HRN EN ISO 19232-2:2013 en pr  
Nerazorno ispitivanje – Kvaliteta radiograma – 2. dio: Određivanje vrijednosti kvalitete slike upotrebom stepeničastoga indikatora kvalitete slike s provrtom (ISO 19232-2:2013; EN ISO 19232-2:2013)  
Non-destructive testing – Image quality of radiographs – Part 2: Determination of the image quality value using step/hole-type image quality indicators (ISO 19232-2:2013; EN ISO 19232-2:2013)
- HRN EN ISO 19232-3:2013 en pr  
Nerazorno ispitivanje – Kvaliteta radiograma – 3. dio: Razredi kvalitete slike (ISO 19232-3:2013; EN ISO 19232-3:2013)  
Non-destructive testing – Image quality of radiographs – Part 3: Image quality classes (ISO 19232-3:2013; EN ISO 19232-3:2013)
- HRN EN ISO 19232-4:2013 en pr  
Nerazorno ispitivanje – Kvaliteta radiograma – 4. dio: Eksperimentalno vrednovanje kvalitete slike i tablice kvalitete slike (ISO 19232-4:2013; EN ISO 19232-4:2013)  
Non-destructive testing – Image quality of radiographs – Part 4: Experimental evaluation of image quality values and image quality tables (ISO 19232-4:2013; EN ISO 19232-4:2013)
- HRN EN ISO 19232-5:2013 en pr  
Nerazorno ispitivanje – Kvaliteta radiograma – 5. dio: Određivanje neoštine slike upotrebom dvostrukih žičanih indikatora kvalitete slike (ISO 19232-5:2013; EN ISO 19232-5:2013)  
Non-destructive testing – Image quality of radiographs – Part 5: Determination of the image unsharpness value using duplex wire-type image quality indicators (ISO 19232-5:2013; EN ISO 19232-5:2013)

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

- HRN EN ISO 11297-3:2013 en pr  
Plastični cijevni sustavi za obnavljanje podzemnih tlačnih mreža za odvodnju i kanalizaciju – 3. dio: Obnavljanje s prijanjajućim cijevima (ISO 11297-3:2013; EN ISO 11297-3:2013)  
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 3: Lining with close-fit pipes (ISO 11297-3:2013; EN ISO 11297-3:2013)

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

- HRN EN ISO 12571:2013 en pr  
Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava higroskopske sorpcije (ISO 12571:2013; EN ISO 12571:2013)  
Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO 12571:2013; EN ISO 12571:2013)
- HRN EN 15101-1:2013 en pr  
Toplinsko-izolacijski proizvodi za zgrade – Na mjestu oblikovani izolacijski proizvodi od celuloznog punila (LFCl) – 1. dio: Specifikacija za proizvode prije ugradnje (EN 15101-1:2013)  
Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCl) products – Part 1: Specification for the products before installation (EN 15101-1:2013)

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

- HRN EN ISO 11252:2013 en pr  
Laseri i pridružena oprema – Laserski uređaj – Minimalni zahtjevi za dokumentaciju (ISO 11252:2013; EN ISO 11252:2013)  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2013; EN ISO 11252:2013)

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

- HRN EN 12602:2013 en pr  
Predgotovljeni armirani elementi od porastoga betona (EN 12602:2008+A1:2013)  
Prefabricated reinforced components of autoclaved aerated concrete (EN 12602:2008+A1:2013)

## **HZN/TO 207, Upravljanje okolišem**

- HRN EN ISO 14031:2013 en pr  
Upravljanje okolišem – Vrednovanje utjecaja na okoliš – Smjernice (ISO 14031:2013; EN ISO 14031:2013)  
Environmental management – Environmental performance evaluation – Guidelines (ISO 14031:2013; EN ISO 14031:2013)

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

- HRN EN 16342:2013 en pr  
Kozmetika – Analiza kozmetičkih proizvoda – Kvantitativno određivanje cinkovog piritiona, pirokton olamina i klimbazola u proizvodima protiv prhuti koji sadrže površinski aktivne tvari (EN 16342:2013)  
Cosmetics – Analysis of cosmetic products – Quantitative determination of zinc pyrithione, piroctone olamine and climbazole in surfactant containing cosmetic anti-dandruff products (EN 16342:2013)
- HRN EN 16344:2013 en pr  
Kozmetika – Analiza kozmetičkih proizvoda – Predispitivanje za UV filtere u kozmetičkim proizvodima i kvantitativno određivanje 10 UV filtera HPLC metodom (EN 16344:2013)  
Cosmetics – Analysis of cosmetic products – Screening for UV-filters in cosmetic products and quantitative determination of 10 UV-filters by HPLC (EN 16344:2013)

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

- HRN EN 14342:2013 en pr  
Drvene podne obloge – Značajke, ocjena sukladnosti i označavanje (EN 14342:2013)  
Wood flooring and parquet – Characteristics, evaluation of conformity and marking (EN 14342:2013)

- HRN EN 14915:2013 en pr  
Zidne i stropne obloge od cjelovitoga drva – Značajke, ocjena sukladnosti i označavanje (EN 14915:2013)  
Solid wood panelling and cladding – Characteristics, evaluation of conformity and marking (EN 14915:2013)

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

- HRN EN ISO 377:2013 en pr  
Čelik i čelični proizvodi – Položaj i priprema uzoraka i ispitnih uzoraka za mehanička ispitivanja (ISO 377:2013; EN ISO 377:2013)  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO 377:2013; EN ISO 377:2013)
- HRN EN 10355:2013 en pr  
Kemijska analiza materijala na bazi željeza – Optička emisijska spektrometrijska analiza s induktivnom spregnutom plazmom, nelegiranih i niskolegiranih čelika – Određivanje Si, Mn, P, Cu, Ni, Cr, Mo, i Sn [rutinska metoda] (EN 10355:2013)  
Chemical analysis of ferrous materials – Inductively coupled plasma optical emission spectrometric analysis of unalloyed and low alloyed steels – Determination of Si, Mn, P, Cu, Ni, Cr, Mo and Sn, following dissolution with nitric and sulphuric acids [Routine method] (EN 10355:2013)

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

- HRN EN 15280:2013 en pr  
Ocjenjivanje vjerojatnosti korozije ukopanih cjevovoda izazvane djelovanjem izmjenične struje primjenjivo za katodno štićene cjevovode (EN 15280:2013)  
Evaluation of a.c. corrosion likelihood of buried pipelines applicable to cathodically protected pipelines (EN 15280:2013)
- HRN EN ISO 27830:2013 en pr  
Metalne i druge anorganske prevlake – Smjernice za specifikaciju metalnih i anorganskih prevlaka (ISO 27830:2008; EN ISO 27830:2013)  
Metallic and other inorganic coatings – Guidelines for specifying metallic and inorganic coatings (ISO 27830:2008; EN ISO 27830:2013)

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

- HRN EN 1790:2013 en pr  
Materijali za oznake na kolniku – Unaprijed pripremljene cestovne oznake (EN 1790:2013)  
Road marking materials – Preformed road markings (EN 1790:2013)

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

- HRN EN 12234:2013 en pr  
Površine sportskih terena – Određivanje ponašanja pri kotrljanju lopte (EN 12234:2013)  
Surfaces for sports areas – Determination of ball roll behaviour (EN 12234:2013)
- HRN EN 12235:2013 en pr  
Površine sportskih terena – Određivanje vertikalnog odboja lopte (EN 12235:2013)  
Surfaces for sports areas – Determination of vertical ball behaviour (EN 12235:2013)
- HRN EN 12616:2013 en pr  
Površine sportskih terena – Određivanje vodopropusnosti (EN 12616:2013)  
Surfaces for sports areas – Determination of water infiltration rate (EN 12616:2013)
- HRN EN 14877:2013 en pr  
Površine od sintetičkih materijala za vanjske sportske terene – Specifikacija (EN 14877:2013)  
Synthetic surfaces for outdoor sports areas – Specification (EN 14877:2013)

HRN EN 15330-1:2013 en pr  
Površine sportskih terena – Sintetičke travnate podloge (travnjaci) i površine izrađene iglom prvenstveno dizajnirane za vanjsku uporabu – 1. dio: Specifikacija za sintetičke travnate podloge (travnjake) za nogomet, hokey, ragbi, tenis i višenamjensku uporabu u sportu (EN 15330-1:2013)  
Surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – Part 1: Specification for synthetic turf surfaces for football, hockey, rugby union training, tennis and multi-sports use (EN 15330-1:2013)

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

HRS CEN/TS 14999:2013 en pr  
Adhezivi za sustave termoplastičnih cijevi – Ispitivanje ubrzanog starenja u skladišnim spremnicima (CEN/TS 14999:2013)  
Adhesives for thermoplastic piping systems – Accelerated ageing test in storage container (CEN/TS 14999:2013)

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

HRS CEN/TS 16454:2013 en pr  
Inteligentni transportni sustavi – Elektronička sigurnost – Ispitivanje sukladnosti elektroničkih hitnih poziva iz vozila (CEN/TS 16454:2013)  
Intelligent transport systems – ESafety – ECall end to end conformance testing (CEN/TS 16454:2013)

HRS CEN ISO/TS 25110:2013 en pr  
Elektronička naplata – Sučelje za naplatu unutar vozila uporabom elektroničke kartice (ISO/TS 25110:2013; CEN ISO/TS 25110:2013)  
Electronic fee collection – Interface definition for on-board account using integrated circuit card (ICC) (ISO/TS 25110:2013; CEN ISO/TS 25110:2013)

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

HRN EN ISO 3095:2013 en pr  
Akustika – Oprema za željeznice – Mjerenje buke koju proizvode željeznička vozila (ISO 3095:2013; EN ISO 3095:2013)  
Acoustics – Railway applications – Measurement of noise emitted by railbound vehicles (ISO 3095:2013; EN ISO 3095:2013)

HRN EN 16116-1:2013 en pr  
Oprema za željeznice – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 1. dio: Putnička vozila, vozila za prtljagu i lokomotive (EN 16116-1:2013)  
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 1: Passenger vehicles, luggage vans and locomotives (EN 16116-1:2013)

HRN EN 16116-2:2013 en pr  
Oprema za željeznice – Projektni zahtjevi za stepenice, rukohvate i prateće dodatke za osoblje – 2. dio: Teretni vagoni (EN 16116-2:2013)  
Railway applications – Design requirements for steps, handrails and associated access for staff – Part 2: Freight wagons (EN 16116-2:2013)

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

HRN EN 13852-1:2013 en pr  
Granici – Odobalni granici – 1. dio: Odobalni granici opće namjene (EN 13852-1:2013)  
Cranes – Offshore cranes – Part 1: General purpose offshore cranes (EN 13852-1:2013)

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

HRN EN ISO 180:2004/A2:2013 en pr  
Plastika – Određivanje žilavosti pri savijanju po Izodu – Amandman 2: Preciznost podataka (ISO 180:2000/Amd 2:2013; EN ISO 180:2000/A2:2013)  
Plastics – Determination of Izod impact strength – Amendment 2: Precision data (ISO 180:2000/Amd 2:2013; EN ISO 180:2000/A2:2013)

HRN EN 1360:2013 en pr  
Gumena i plastična crijeva i crijevni uređaji za mjerenje količine goriva – Specifikacija (EN 1360:2013)  
Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems – Specification (EN 1360:2013)

HRN EN ISO 5999:2013 en pr  
Savitljivi pjenasti polimerni materijali – Poliuretanska pjena za nosive uporabe osim za podloge tepiha – Specifikacija (ISO 5999:2013; EN ISO 5999:2013)  
Flexible cellular polymeric materials – Polyurethane foam for load-bearing applications excluding carpet underlay – Specification (ISO 5999:2013; EN ISO 5999:2013)

HRN EN 13483:2013 en pr  
Gumena i plastična crijeva i crijevni uređaji s unutrašnjom regeneracijom pare za sustave razdiobe mjerenoga goriva – Specifikacija (EN 13483:2013)  
Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – Specification (EN 13483:2013)

HRN EN 14420-1:2013 en pr  
Crijevni priključci sa stezaljkama – 1. dio: Zahtjevi, tipovi učvršćivanja i spajanja, označavanje i ispitivanje (EN 14420-1:2013)  
Hose fittings with clamp units – Part 1: Requirements, types of fixing and connection, designation and testing (EN 14420-1:2013)

HRN EN 14420-2:2013 en pr  
Crijevni priključci sa stezaljkama – 2. dio: Bočni dijelovi nastavka za crijevo (EN 14420-2:2013)  
Hose fittings with clamp units – Part 2: Hose side parts of hose tail (EN 14420-2:2013)

HRN EN 14420-3:2013 en pr  
Crijevni priključci sa stezaljkama – 3. dio: Stezaljke s vijkom ili zatikom (EN 14420-3:2013)  
Hose fittings with clamp units – Part 3: Clamp units, bolted or pinned (EN 14420-3:2013)

HRN EN 14420-4:2013 en pr  
Crijevni priključci sa stezaljkama – 4. dio: Spojevi s prirubnicom (EN 14420-4:2013)  
Hose fittings with clamp units – Part 4: Flange connections (EN 14420-4:2013)

HRN EN 14420-5:2013 en pr  
Crijevni priključci sa stezaljkama – 5. dio: Navojni spojevi (EN 14420-5:2013)  
Hose fittings with clamp units – Part 5: Threaded connections (EN 14420-5:2013)

HRN EN 14420-6:2013 en pr  
Crijevni priključci sa stezaljkama – 6. dio: TW spojke za auto cisterne (EN 14420-6:2013)  
Hose fittings with clamp units – Part 6: TW tank truck couplings (EN 14420-6:2013)

HRN EN 14420-7:2013 en pr  
Cijevni priključci sa stezaljkama – 7. dio: Spojke za zatvaranje (EN 14420-7:2013)  
Hose fittings with clamp units – Part 7: Cam locking couplings (EN 14420-7:2013)

HRN EN 14420-8:2013 en pr  
Crijevni priključci sa stezaljkama – 8. dio: Simetrične poluspojke (Guillemin sustav) (EN 14420-8:2013)  
Hose fittings with clamp units – Part 8: Symmetrical half coupling (Guillemin system) (EN 14420-8:2013)



- HRN EN 14422:2013 en pr  
Sklopovi spojki steznog tipa za crijeva za prijenos ukapljenoga naftnog plina (LPG) (EN 14422:2013)  
Clamp type coupling assemblies for liquefied petroleum gas (LPG) transfer hoses (EN 14422:2013)
- HRN EN 14423:2013 en pr  
Sklopovi spojki steznog tipa za upotrebu s crijevima za paru za tlakove do 18 bara (EN 14423:2013)  
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar (EN 14423:2013)
- HRN EN 14424:2013 en pr  
Crijevni priključci s vijčanim metalnim prstenovima (EN 14424:2013)  
Hose fittings with screwed ferrules (EN 14424:2013)

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

- HRN EN 14241-1:2013 en pr  
Dimnjaci – Brtve i brtvila od elastomera – Zahtjevi za materijal i metode ispitivanja – 1. dio: Brtve u dimovodnim cijevima (EN 14241-1:2013)  
Chimneys – Elastomeric seals and elastomeric sealants – Material requirements and test methods – Part 1: Seals in flue liners (EN 14241-1:2013)

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

- HRN EN 14125:2013 en pr  
Termoplastični i savitljivi metalni cjevovod za podzemnu ugradnju na benzinskim stanicama za punjenje (EN 14125:2013)  
Thermoplastic and flexible metal pipework for underground installation at petrol filling stations (EN 14125:2013)
- HRN EN 16249:2013 en pr  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema – Kapa spojke za punjenje i pražnjenje dna (EN 16249:2013)  
Tanks for the transport of dangerous goods – Service equipment – Cap for the adaptor for bottom loading and unloading (EN 16249:2013)

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

- HRN EN 1097-11:2013 en pr  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 11. dio: Određivanje stlačivosti i ograničene tlačne čvrstoće laganih agregata (EN 1097-11:2013)  
Tests for mechanical and physical properties of aggregates – Part 11: Determination of compressibility and confined compressive strength of lightweight aggregates (EN 1097-11:2013)
- HRN EN 13383-2:2013 en pr  
Kamenozastite – 2. dio: Metode ispitivanja (EN 13383-2:2013)  
Armourstone – Part 2: Test methods (EN 13383-2:2013)

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

- HRN EN 15682-1:2013 en pr  
Staklo u graditeljstvu – Toplinski prožeto, termički kaljeno zemnoalkalijsko, silikatno, sigurnosno staklo – 1. dio: Definicija i opis (EN 15682-1:2013)  
Glass in building – Heat soaked thermally toughened alkaline earth silicate safety glass – Part 1: Definition and description (EN 15682-1:2013)
- HRN EN 15682-2:2013 en pr  
Staklo u graditeljstvu – Toplinski prožeto, termički kaljeno zemnoalkalijsko, silikatno, sigurnosno staklo – 2. dio: Vrednovanje sukladnosti/norma za proizvod (EN 15682-2:2013)  
Glass in building – Heat soaked thermally toughened alkaline earth silicate safety glass – Part 2: Evaluation of conformity/Product standard (EN 15682-2:2013)

- HRN EN 16361:2013 en pr  
Strojno pogonjena vrata za pješake – Norma za proizvod, izvedbene značajke – Vrata za pješake osim mimokretnih tipova u osnovi projektiranih za ugradnju s mehaničkim pogonom bez otpornosti na vatru i propuštanje dima (EN 16361:2013)  
Power operated pedestrian doors – Product standard, performance characteristics – Pedestrian doorsets, other than swing type, initially designed for installation with power operation without resistance to fire and smoke leakage characteristics (EN 16361:2013)

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

- HRN EN 13624:2013 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje fungicidne djelotvornosti ili djelotvornosti protiv kvasaca u medicinskom području – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13624:2013)  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area – Test method and requirements (phase 2, step 1) (EN 13624:2013)
- HRN EN 14476:2013 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu virucidne aktivnosti u medicini – Ispitna metoda i zahtjevi (faza 2, korak 1) (EN 14476:2013)  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical area – Test method and requirements (Phase 2/Step 1) (EN 14476:2013)

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

- HRN ISO 5593:2013 en pr  
Valjni ležajevi – Terminološki rječnik (ISO 5593:1997+Amd 1:2007)  
Rolling bearings – Vocabulary (ISO 5593:1997+Amd 1:2007)
- HRN ISO 5598:2013 en pr  
Hidraulični i pneumatski sustavi i sastavnice – Terminološki rječnik (ISO 5598:2008)  
Fluid power systems and components – Vocabulary (ISO 5598:2008)
- HRN ISO 6194-1:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim elastomernim brtvenim elementima – 1. dio: Nazivne dimenzije i tolerancije (ISO 6194-1:2007)  
Rotary shaft lip-type seals incorporating elastomeric sealing elements – Part 1: Nominal dimensions and tolerances (ISO 6194-1:2007)
- HRN ISO 6194-2:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim elastomernim brtvenim elementima – 2. dio: Terminološki rječnik (ISO 6194-2:2009)  
Rotary shaft lip-type seals incorporating elastomeric sealing elements – Part 2: Vocabulary (ISO 6194-2:2009)
- HRN ISO 6194-3:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim elastomernim brtvenim elementima – 3. dio: Skladištenje, rukovanje i ugradnja (ISO 6194-3:2009)  
Rotary shaft lip-type seals incorporating elastomeric sealing elements – Part 3: Storage, handling and installation (ISO 6194-3:2009)
- HRN ISO 6194-4:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim elastomernim brtvenim elementima – 4. dio: Izvedba postupaka ispitivanja (ISO 6194-4:2009)  
Rotary shaft lip-type seals incorporating elastomeric sealing elements – Part 4: Performance test procedures (ISO 6194-4:2009)

- HRN ISO 6194-5:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim elastomernim brtvenim elementima – 5. dio: Utvrđivanje vidljivih nedostataka (ISO 6194-5:2008)  
Rotary-shaft lip-type seals incorporating elastomeric sealing elements – Part 5: Identification of visual imperfections (ISO 6194-5:2008)
- HRN ISO 16589-1:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim plastomernim brtvenim elementima – 1. dio: Nazivne dimenzije i tolerancije (ISO 16589-1:2011)  
Rotary shaft lip-type seals incorporating thermoplastic sealing elements – Part 1: Nominal dimensions and tolerances (ISO 16589-1:2011)
- HRN ISO 16589-2:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim plastomernim brtvenim elementima – 2. dio: Terminološki rječnik (ISO 16589-2:2011)  
Rotary shaft lip-type seals incorporating thermoplastic sealing elements – Part 2: Vocabulary (ISO 16589-2:2011)
- HRN ISO 16589-3:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim plastomernim brtvenim elementima – 3. dio: Skladištenje, rukovanje i ugradnja (ISO 16589-3:2011)  
Rotary shaft lip-type seals incorporating thermoplastic sealing elements – Part 3: Storage, handling and installation (ISO 16589-3:2011)
- HRN ISO 16589-4:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim plastomernim brtvenim elementima – 4. dio: Izvedba postupaka ispitivanja (ISO 16589-4:2011)  
Rotary shaft lip-type seals incorporating thermoplastic sealing elements – Part 4: Performance test procedures (ISO 16589-4:2011)
- HRN ISO 16589-5:2013 en pr  
Brtve za vratila s brtvenim rubom s ugrađenim plastomernim brtvenim elementima – 5. dio: Utvrđivanje vidljivih nedostataka (ISO 16589-5:2011)  
Rotary shaft lip-type seals incorporating thermoplastic sealing elements – Part 5: Identification of visual imperfections (ISO 16589-5:2011)

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

- HRN EN 15975-2:2013 en pr  
Sigurnost opskrbe vodom za piće – Smjernice za upravljanje rizikom i krizom – 2. dio: Upravljanje rizikom (EN 15975-2:2013)  
Security of drinking water supply – Guidelines for risk and crisis management – Part 2: Risk management (EN 15975-2:2013)

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

- HRN ISO 3898:2013 en pr  
Osnove proračuna konstrukcija – Nazivi i simboli fizikalnih i generičkih veličina (ISO 3898:2013)  
Bases for design of structures – Names and symbols of physical quantities and generic quantities (ISO 3898:2013)
- HRN ISO 21929-1:2013 en pr  
Održivost pri gradnji zgrada – Pokazatelji održivosti – 1. dio: Okvir za razvoj pokazatelja i osnovne grupe pokazatelja za zgrade (ISO 21929-1:2011)  
Sustainability in building construction – Sustainability indicators – Part 1: Framework for the development of indicators and a core set of indicators for buildings (ISO 21929-1:2011)

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

- HRN EN 1344:2013 en pr  
Glineni elementi za popločivanje – Zahtjevi i metode ispitivanja (EN 1344:2013)  
Clay pavers – Requirements and test methods (EN 1344:2013)

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

- HRN EN ISO 11137-1:2007/A1:2013 en pr  
Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – 1. dio: Zahtjevi za razvoj, vrednovanje i kontrolu provedbe sterilizacijskog postupka za medicinske proizvode (ISO 11137-1:2006/Amd 1:2013; EN ISO 11137-1:2006/A1:2013)  
Sterilization of health care products – Radiation – Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices (ISO 11137-1:2006/Amd 1:2013; EN ISO 11137-1:2006/A1:2013)

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

- HRN EN ISO 12311:2013 en pr  
Osobna zaštitna oprema – Ispitne metode za sunčane naočale i očna pomagala (ISO 12311:2013; EN ISO 12311:2013)  
Personal protective equipment – Test methods for sunglasses and related eyewear (ISO 12311:2013; EN ISO 12311:2013)
- HRN EN ISO 12312-1:2013 en pr  
Zaštita očiju i lica – Sunčane naočale i očna pomagala – 1. dio: Sunčane naočale za opću uporabu (ISO 12312-1:2013; EN ISO 12312-1:2013)  
Eye and face protection – Sunglasses and related eyewear – Part 1: Sunglasses for general use (ISO 12312-1:2013; EN ISO 12312-1:2013)

### **HZN/TO 557, *Zaštitna odjeća***

- HRN EN ISO 13688:2013 en pr  
Zaštitna odjeća – Opći zahtjevi (ISO 13688:2013; EN ISO 13688:2013)  
Protective clothing – General requirements (ISO 13688:2013; EN ISO 13688:2013)

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

- HRN EN 14143:2013 en pr  
Zaštitne naprave za disanje – Samostalni ronilački uređaji s povratnim udisanjem (EN 14143:2013)  
Respiratory equipment – Self-contained re-breathing diving apparatus (EN 14143:2013)

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

- HRN EN ISO 4126-1:2013 en pr  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 1. dio: Sigurnosni zaporni uređaji (ISO 4126-1:2013; EN ISO 4126-1:2013)  
Safety devices for protection against excessive pressure – Part 1: Safety valves (ISO 4126-1:2013; EN ISO 4126-1:2013)
- HRN EN ISO 4126-4:2013 en pr  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 4. dio: Sigurnosni ventili kojima upravlja pilot uređaj (ISO 4126-4:2013; EN ISO 4126-4:2013)  
Safety devices for protection against excessive pressure – Part 4: Pilot-operated safety valves (ISO 4126-4:2013; EN ISO 4126-4:2013)
- HRN EN ISO 4126-5:2013 en pr  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 5. dio: Regulirani sigurnosni sustavi za rasterećenje tlaka (ISO 4126-5:2013; EN ISO 4126-5:2013)

Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2013; EN ISO 4126-5:2013)

- HRN EN ISO 4126-7:2013 en pr  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 7. dio: Zajednički podaci (ISO 4126-7:2013; EN ISO 4126-7:2013)  
Safety devices for protection against excessive pressure – Part 7: Common data (ISO 4126-7:2013; EN ISO 4126-7:2013)

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

- HRN EN ISO 1833-25:2013 en pr  
Tekstil – Kvantitativna kemijska analiza – 25. dio: Mješavine poliesterskih i drugih vlakana (metoda s uporabom trikloroacetne kiseline i kloroforma) (ISO 1833-25:2013; EN ISO 1833-25:2013)  
Textiles – Quantitative chemical analysis – Part 25: Mixtures of polyester and certain other fibres (method using trichloroacetic acid and chloroform) (ISO 1833-25:2013; EN ISO 1833-25:2013)
- HRN EN ISO 13015:2013 en pr  
Tkanine – Deformacija – Određivanje zakošenosti i zaobljenosti (ISO 13015:2013; EN ISO 13015:2013)  
Woven fabrics – Distortion – Determination of skew and bow (ISO 13015:2013; EN ISO 13015:2013)
- HRN EN ISO 20743:2013 en pr  
Tekstil – Određivanje antibakterijske aktivnosti tekstilnih proizvoda (ISO 20743:2013; EN ISO 20743:2013)  
Textiles – Determination of antibacterial activity of textile products (ISO 20743:2013; EN ISO 20743:2013)

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

- HRN EN ISO 28881:2013 en pr  
Alatni strojevi – Sigurnost – Strojevi za elektroeroziju (ISO 28881:2013; EN ISO 28881:2013)  
Machine tools – Safety – Electro-discharge machines (ISO 28881:2013; EN ISO 28881:2013)

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

- HRN EN 1953:2013 en pr  
Oprema za raspršivanje i nastrcavanje pri prevlačenju materijala – Sigurnosni zahtjevi (EN 1953:2013)  
Atomising and spraying equipment for coating materials – Safety requirements (EN 1953:2013)
- HRN EN ISO 13856-3:2013 en pr  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlak – 3. dio: Opća načela za projektiranje i ispitivanje odbojnika, ploča, žica i sličnih uređaja osjetljivih na tlak (ISO 13856-3:2013; EN ISO 13856-3:2013)  
Safety of machinery – Pressure-sensitive protective devices – Part 3: General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices (ISO 13856-3:2013; EN ISO 13856-3:2013)

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

- HRN EN ISO 5536:2013 en pr  
Masni mliječni proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 5536:2009; EN ISO 5536:2013)  
Milk fat products – Determination of water content – Karl Fischer method (ISO 5536:2009; EN ISO 5536:2013)
- HRN EN ISO 9233-1:2013 en pr  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 1. dio: Metoda molekularne apsorpcijske spektrometrije za koru sira (ISO 9233-1:2007 uključujući Amd 1:2012; EN ISO 9233-1:2013)

Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 1: Molecular absorption spectrometric method for cheese rind (ISO 9233-1:2007 including Amd 1:2012; EN ISO 9233-1:2013)

- HRN EN ISO 9233-2:2013 en pr  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 2. dio: Metoda tekućinske kromatografije visokog učinka za sir, koru sira i topljeni sir (ISO 9233-2:2007 uključujući Amd 1:2012; EN ISO 9233-2:2013)  
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 2: High-performance liquid chromatographic method for cheese, cheese rind and processed cheese (ISO 9233-2:2007 including Amd 1:2012; EN ISO 9233-2:2013)
- HRN EN ISO 12779:2013 en pr  
Laktoza – Određivanje udjela vode – Karl Fischerova metoda (ISO 12779:2011; EN ISO 12779:2013)  
Lactose – Determination of water content – Karl Fischer method (ISO 12779:2011; EN ISO 12779:2013)
- HRN ISO 16297:2013 en pr  
Mlijeko – Broj bakterija – Protokol za procjenu alternativnih metoda (ISO 16297:2013)  
Milk – Bacterial count – Protocol for the evaluation of alternative methods (ISO 16297:2013)

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

- HRS CEN/TS 15633-2:2013 en pr  
Hrana – Dokazivanje alergena u hrani imunološkim metodama – 2. dio: Kvantitativno određivanje lješnjaka imunoenzimskom metodom upotrebom monoklonskih protutijela i dokazivanjem proteina pomoću bicikonične kiseline (CEN/TS 15633-2:2013)  
Foodstuffs – Detection of food allergens by immunological methods – Part 2: Quantitative determination of hazelnut with an enzyme immunoassay using monoclonal antibodies and bicinchoninic acid-protein detection (CEN/TS 15633-2:2013)
- HRI CEN/TR 16468:2013 en pr  
Analiza hrane – Određivanje ostataka pesticida upotrebom GC-MS – Vrijeme zadržavanja, parametri masene spektrometrije i podaci odziva detektora (CEN/TR 16468:2013)  
Food analysis – Determination of pesticide residues by GC-MS – Retention times, mass spectrometric parameters and detector response information (CEN/TR 16468:2013)

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

- HRN EN 60684-3-240:2013 en pr  
Savijljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 240. do 243. list: Toplinski skupljajuće PFTE navlake (IEC 60684-3-240 to 243:2002; EN 60684-3-240 to 243:2002)  
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheets 240 to 243: Heat-shrinkable PTFE sleeving (IEC 60684-3-240 to 243:2002; EN 60684-3-240 to 243:2002)

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

- HRN EN 61439-1:2010/Ispr.1:2013 en pr  
Niskonaponski sklopni blokovi – 1. dio: Opća pravila (EN 61439-1:2009/AC:2013)  
Low-voltage switchgear and controlgear assemblies – Part 1: General rules (EN 61439-1:2009/AC:2013)

- HRN EN 61439-6:2013 en pr  
Niskonaponski sklopni blokovi – 6. dio: Sabirnički kanalni izvodi (IEC 61439-6:2012; EN 61439-6:2012)  
Low-voltage switchgear and controlgear assemblies – Part 6: Busbar trunking systems (busways) (IEC 61439-6:2012; EN 61439-6:2012)
- HRN EN 61915-2:2013 en pr  
Niskonaponska sklopna aparatura – Profili uređaja za umrežene industrijske uređaje – 2. dio: Osnovni profili uređaja za pokretače i sličnu opremu (IEC 61915-2:2011; EN 61915-2:2012)  
Low-voltage switchgear and controlgear – Device profiles for networked industrial devices – Part 2: Root device profiles for starters and similar equipment (IEC 61915-2:2011; EN 61915-2:2012)
- HRN EN 62026-2:2013 en pr  
Niskonaponska sklopna aparatura – Sučelja između upravljačkih i periferijskih uređaja – 2. dio: Sučelja za senzor pokretača (IEC 62026-2:2008, MOD; EN 62026-2:2013)  
Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 2: Actuator sensor interface (AS-i) (IEC 62026-2:2008, MOD; EN 62026-2:2013)
- HRN EN 62026-7:2013 en pr  
Niskonaponska sklopna aparatura – Sučelja između upravljačkih i periferijskih uređaja – 7. dio: CompoNet (IEC 62026-7:2010, MOD; EN 62026-7:2013)  
Low-voltage switchgear and controlgear – Controller-device interfaces (CDIs) – Part 7: CompoNet (IEC 62026-7:2010, MOD; EN 62026-7:2013)
- HRN EN 62271-100:2010/A1:2013 en pr  
Visokonaponska sklopna aparatura – 100. dio: Visokonaponski prekidači izmjenične struje (IEC 62271-100:2008/am1:2012+Corr.1:2012; EN 62271-100:2009/A1:2012)  
High-voltage switchgear and controlgear – Part 100: Alternating-current circuit-breakers (IEC 62271-100:2008/am1:2012+Corr.1:2012; EN 62271-100:2009/A1:2012)
- HRN EN 62271-102:2005/A2:2013 en pr  
Visokonaponska sklopna aparatura – 102. dio: Visokonaponski rastavljači i zemljospojnici izmjenične struje (IEC 62271-102:2001/am2:2013; EN 62271-102:2002/A2:2013)  
High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2001/am2:2013; EN 62271-102:2002/A2:2013)
- HRN EN 62271-105:2013 en pr  
Visokonaponska sklopna aparatura – 105. dio: Sklopke s osiguračima izmjenične struje za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-105:2012; EN 62271-105:2012)  
High-voltage switchgear and controlgear – Part 105: Alternating current switch-fuse combinations for rated voltages above 1 kV up to and including 52 kV (IEC 62271-105:2012; EN 62271-105:2012)
- HRN EN 62271-107:2013 en pr  
Visokonaponska sklopna aparatura – 107. dio: Osigurač sklopke izmjenične struje za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-107:2012; EN 62271-107:2012)  
High-voltage switchgear and controlgear – Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV (IEC 62271-107:2012; EN 62271-107:2012)
- HRN EN 62271-109:2010/A1:2013 en pr  
Visokonaponska sklopna aparatura – 109. dio: Sklopke izmjenične struje za premoštenje serijskog kondenzatora (IEC 62271-109:2008/am1:2013; EN 62271-109:2009/A1:2013)  
High-voltage switchgear and controlgear – Part 109: Alternating-current capacitor by-pass switches (IEC 62271-109:2008/am1:2013; EN 62271-109:2009/A1:2013)
- HRN EN 62271-110:2013 en pr  
Visokonaponska sklopna aparatura – 110. dio: Sklapanje induktivnih tereta (IEC 62271-110:2012+Corr.1:2012; EN 62271-110:2012)  
High-voltage switchgear and controlgear – Part 110: Inductive load switching (IEC 62271-110:2012+Corr.1:2012; EN 62271-110:2012)
- HRN EN 62271-203:2013 en pr  
Visokonaponska sklopna aparatura – 203. dio: Plinom izolirana metalom oklopljena razvodna aparatura za nazivne napone iznad 52 kV (IEC 62271-203:2011; EN 62271-203:2012)  
High-voltage switchgear and controlgear – Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV (IEC 62271-203:2011; EN 62271-203:2012)
- HRN EN 62271-207:2013 en pr  
Visokonaponska sklopna aparatura – 207. dio: Seizmička prikladnost za plinom izolirane sklopne blokove za nazivne napone iznad 52 kV (IEC 62271-207:2012; EN 62271-207:2012)  
High-voltage switchgear and controlgear – Part 207: Seismic qualification for gas-insulated switchgear assemblies for rated voltages above 52 kV (IEC 62271-207:2012; EN 62271-207:2012)
- HRN EN 62683:2013 en pr  
Niskonaponska sklopna aparatura – Strukture podataka za elektroničku razmjenu informacija o svojstvima proizvoda (IEC 62683:2013; EN 62683:2013)  
Low-voltage switchgear and controlgear – Product data and properties for information exchange (IEC 62683:2013; EN 62683:2013)

## HZNTO E20, Električni kabeli

- HRN IEC 60331-1:2013 en pr  
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 1. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji prelaze vanjski promjer 20 mm (IEC 60331-1:2009)  
Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm (IEC 60331-1:2009)
- HRN IEC 60331-2:2013 en pr  
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 2. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji ne prelaze vanjski promjer 20 mm (IEC 60331-2:2009)  
Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm (IEC 60331-2:2009)
- HRN IEC 60331-3:2013 en pr  
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 3. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji se ispituju u metalnom kućištu (IEC 60331-3:2009)



- Tests for electric cables under fire conditions – Circuit integrity – Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure (IEC 60331-3:2009)
- HRN EN 60811-100:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 100. dio: Općenito (IEC 60811-100:2012; EN 60811-100:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 100: General (IEC 60811-100:2012; EN 60811-100:2012)
- HRN EN 60811-201:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 201. dio: Općenita ispitivanja – Ispitivanje debljine izolacije (IEC 60811-201:2012; EN 60811-201:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 201: General tests – Measurement of insulation thickness (IEC 60811-201:2012; EN 60811-201:2012)
- HRN EN 60811-202:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 202. dio: Općenita ispitivanja – Ispitivanje debljine nemetalnog plašta (IEC 60811-202:2012; EN 60811-202:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath (IEC 60811-202:2012; EN 60811-202:2012)
- HRN EN 60811-203:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 203. dio: Općenita ispitivanja – Ispitivanje vanjskih dimenzija (IEC 60811-203:2012; EN 60811-203:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions (IEC 60811-203:2012; EN 60811-203:2012)
- HRN EN 60811-301:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 301. dio: Električna ispitivanja – Ispitivanje dielektričnosti na 23 °C materijala za ispune (IEC 60811-301:2012; EN 60811-301:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 301: Electrical tests – Measurement of the permittivity at 23 °C of filling compounds (IEC 60811-301:2012; EN 60811-301:2012)
- HRN EN 60811-302:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 302. dio: Električna ispitivanja – Ispitivanje otpornosti kod istosmjerne struje na 23 °C i 100 °C smjesa za ispune (EN 60811-302:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 302: Electrical tests – Measurement of the d.c. resistivity at 23 °C and 100 °C of filling compounds (EN 60811-302:2012)
- HRN EN 60811-401:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 401. dio: Različita ispitivanja – Toplinske metode starenja – Starenje u zračnoj pećnici (IEC 60811-401:2012; EN 60811-401:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 401: Miscellaneous tests – Thermal ageing methods – Ageing in an air oven (IEC 60811-401:2012; EN 60811-401:2012)
- HRN EN 60811-402:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 402. dio: Različita ispitivanja – Ispitivanje upijanja vode (IEC 60811-402:2012; EN 60811-402:2012)
- Electric and optical fibre cables – Test methods for non-metallic materials – Part 402: Miscellaneous tests – Water absorption tests (IEC 60811-402:2012; EN 60811-402:2012)
- HRN EN 60811-403:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 403. dio: Različita ispitivanja – Otpornost na ozon za umrežene smjese (IEC 60811-403:2012; EN 60811-403:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 403: Miscellaneous tests – Ozone resistance test on cross-linked compounds (IEC 60811-403:2012; EN 60811-403:2012)
- HRN EN 60811-404:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 404. dio: Različita ispitivanja – Ispitivanja uranjanjem u mineralno ulje za plašteve (IEC 60811-404:2012; EN 60811-404:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 404: Miscellaneous tests – Mineral oil immersion tests for sheaths (IEC 60811-404:2012; EN 60811-404:2012)
- HRN EN 60811-405:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 405. dio: Različita ispitivanja – Ispitivanje toplinske stabilnosti za PVC izolacije i PVC plašteve (IEC 60811-405:2012; EN 60811-405:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 405: Miscellaneous tests – Thermal stability test for PVC insulations and PVC sheaths (IEC 60811-405:2012; EN 60811-405:2012)
- HRN EN 60811-406:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 406. dio: Različita ispitivanja – Otpornost na pucanje polietilenskih i polipropilenskih smjesa (IEC 60811-406:2012; EN 60811-406:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 406: Miscellaneous tests – Resistance to stress cracking of polyethylene and polypropylene compounds (IEC 60811-406:2012; EN 60811-406:2012)
- HRN EN 60811-407:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 407. dio: Različita ispitivanja – Ispitivanje povećanja mase polietilenskih i polipropilenskih smjesa (IEC 60811-407:2012; EN 60811-407:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 407: Miscellaneous tests – Measurement of mass increase of polyethylene and polypropylene compounds (IEC 60811-407:2012; EN 60811-407:2012)
- HRN EN 60811-408:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 408. dio: Različita ispitivanja – Ispitivanje dugotrajne toplinske stabilnosti polietilenskih i polipropilenskih smjesa (IEC 60811-408:2012; EN 60811-408:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 408: Miscellaneous tests – Long-term stability test of polyethylene and polypropylene compounds (IEC 60811-408:2012; EN 60811-408:2012)
- HRN EN 60811-409:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 409. dio: Različita ispitivanja – Ispitivanje gubitka mase termoplastičnih izolacija i plašteva (IEC 60811-409:2012; EN 60811-409:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 409: Miscellaneous tests – Loss of mass test for thermoplastic insulations and sheaths (IEC 60811-409:2012; EN 60811-409:2012)



- HRN EN 60811-410:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 410. dio: Različita ispitivanja – Metoda ispitivanja oksidacijske degradacije uz katalitičko djelovanje bakra za vodiče izolirane poliolefinom (IEC 60811-410:2012; EN 60811-410:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 410: Miscellaneous tests – Test method for copper-catalyzed oxidative degradation of polyolefin insulated conductors (IEC 60811-410:2012; EN 60811-410:2012)
- HRN EN 60811-411:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 411. dio: Različita ispitivanja – Niskotemperaturna lomljivost za smjese za ispune (IEC 60811-411:2012; EN 60811-411:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 411: Miscellaneous tests – Low-temperature brittleness of filling compounds (IEC 60811-411:2012; EN 60811-411:2012)
- HRN EN 60811-412:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 412. dio: Različita ispitivanja – Toplinske metode starenja – Starenje pod povišenim tlakom (IEC 60811-412:2012; EN 60811-412:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 412: Miscellaneous tests – Thermal ageing methods – Ageing in an air bomb (IEC 60811-412:2012; EN 60811-412:2012)
- HRN EN 60811-501:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 501. dio: Mehanička ispitivanja – Ispitivanja za određivanje mehaničkih značajki smjese za izolacije i plašteve (IEC 60811-501:2012; EN 60811-501:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 501: Mechanical tests – Tests for determining the mechanical properties of insulating and sheathing compounds (IEC 60811-501:2012; EN 60811-501:2012)
- HRN EN 60811-502:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 502. dio: Mehanička ispitivanja – Ispitivanje skupljanja izolacija (IEC 60811-502:2012; EN 60811-502:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 502: Mechanical tests – Shrinkage test for insulations (IEC 60811-502:2012; EN 60811-502:2012)
- HRN EN 60811-503:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 503. dio: Mehanička ispitivanja – Ispitivanje skupljanja plašteva (IEC 60811-503:2012; EN 60811-503:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 503: Mechanical tests – Shrinkage test for sheaths (IEC 60811-503:2012; EN 60811-503:2012)
- HRN EN 60811-504:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 504. dio: Mehanička ispitivanja – Ispitivanje savijanja pri niskoj temperaturi za izolacije i plašteve (IEC 60811-504:2012; EN 60811-504:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 504: Mechanical tests – Bending tests at low temperature for insulation and sheaths (IEC 60811-504:2012; EN 60811-504:2012)
- HRN EN 60811-505:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 505. dio: Mehanička ispitivanja – Istezanje pri niskoj temperaturi za izolacije i plašteve (IEC 60811-505:2012; EN 60811-505:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 505: Mechanical tests – Elongation at low temperature for insulations and sheaths (IEC 60811-505:2012; EN 60811-505:2012)
- HRN EN 60811-506:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 506. dio: Mehanička ispitivanja – Ispitivanje na udarac pri niskoj temperaturi za izolacije i plašteve (IEC 60811-506:2012; EN 60811-506:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 506: Mechanical tests – Impact test at low temperature for insulations and sheaths (IEC 60811-506:2012; EN 60811-506:2012)
- HRN EN 60811-507:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 507. dio: Mehanička ispitivanja – Ispitivanje umrežavanja za umrežene smjese (IEC 60811-507:2012; EN 60811-507:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 507: Mechanical tests – Hot set test for cross-linked materials (IEC 60811-507:2012; EN 60811-507:2012)
- HRN EN 60811-508:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 508. dio: Mehanička ispitivanja – Ispitivanje na tlak kod visokih temperatura za izolacije i plašteve (IEC 60811-508:2012; EN 60811-508:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 508: Mechanical tests – Pressure test at high temperature for insulation and sheaths (IEC 60811-508:2012; EN 60811-508:2012)
- HRN EN 60811-509:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 509. dio: Mehanička ispitivanja – Ispitivanje otpornosti izolacija i plašteva na pucanje (toplotni udar) (IEC 60811-509:2012; EN 60811-509:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 509: Mechanical tests – Test for resistance of insulations and sheaths to cracking (heat shock test) (IEC 60811-509:2012; EN 60811-509:2012)
- HRN EN 60811-510:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 510. dio: Mehanička ispitivanja – Metode specifične za polietilenske i polipropilenske smjese – Ispitivanje savitljivosti nakon zagrijavanja na povišenoj temperaturi (IEC 60811-510:2012; EN 60811-510:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 510: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Wrapping test after thermal ageing in air (IEC 60811-510:2012; EN 60811-510:2012)
- HRN EN 60811-511:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 511. dio: Mehanička ispitivanja – Mjerenje indeksa masenoga protoka taline (IEC 60811-511:2012; EN 60811-511:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 511: Mechanical tests – Measurement of the melt flow index of polyethylene compounds (IEC 60811-511:2012; EN 60811-511:2012)
- HRN EN 60811-513:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 513. dio: Mehanička ispitivanja – Metode specifične za polietilenske i polipropilenske smjese – Ispitivanje savitljivosti nakon zagrijavanja (IEC 60811-513:2012; EN 60811-513:2012)

- Electric and optical fibre cables – Test methods for non-metallic materials – Part 513: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Wrapping test after conditioning (IEC 60811-513:2012; EN 60811-513:2012)
- HRN EN 60811-601:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 601. dio: Fizikalna ispitivanja – Ispitivanje kapljišta smjesa za ispune (IEC 60811-601:2012; EN 60811-601:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 601: Physical tests – Measurement of the drop point of filling compounds (IEC 60811-601:2012; EN 60811-601:2012)
- HRN EN 60811-602:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 602. dio: Fizikalna ispitivanja – Odvajanje ulja kod smjesa za ispune (IEC 60811-602:2012; EN 60811-602:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 602: Physical tests – Separation of oil in filling compounds (IEC 60811-602:2012; EN 60811-602:2012)
- HRN EN 60811-603:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 603. dio: Fizikalna ispitivanja – Ispitivanje ukupnog kiselinskog broja smjesa za ispune (IEC 60811-603:2012; EN 60811-603:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 603: Physical tests – Measurement of total acid number of filling compounds (IEC 60811-603:2012; EN 60811-603:2012)
- HRN EN 60811-604:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 604. dio: Fizikalna ispitivanja – Ispitivanje odsutnosti korozivnih sastojaka smjesa za ispune (IEC 60811-604:2012; EN 60811-604:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 604: Physical tests – Measurement of absence of corrosive components in filling compounds (IEC 60811-604:2012; EN 60811-604:2012)
- HRN EN 60811-605:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 605. dio: Fizikalna ispitivanja – Mjerenje sadržaja čađe i/ili mineralnih punila u polietilenskim smjesama (IEC 60811-605:2012; EN 60811-605:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 605: Physical tests – Measurement of carbon black and/or mineral filler in polyethylene compounds (IEC 60811-605:2012; EN 60811-605:2012)
- HRN EN 60811-606:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 606. dio: Fizikalna ispitivanja – Metode za određivanje gustoće (IEC 60811-606:2012; EN 60811-606:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 606: Physical tests – Methods for determining the density (IEC 60811-606:2012; EN 60811-606:2012)
- HRN EN 60811-607:2013 en pr  
Električni i svjetlovodni kabeli – Metode ispitivanja za nemetalne materijale – 607. dio: Fizikalna ispitivanja – Ispitivanje procjene raspršenja čađe u polietilenu i polipropilenu (IEC 60811-607:2012; EN 60811-607:2012)  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 607: Physical tests – Test for the assessment of carbon black dispersion in polyethylene and polypropylene (IEC 60811-607:2012; EN 60811-607:2012)

- HRN IEC 60853-2:2001/A1:2013 en pr  
Proračun cikličke vrijednosti struje kabela u struje preopterećenja – 2. dio: Ciklička opteretivost kabela viših od 18/30(36) kV i veličine preopterećenja za kabele svih napona (IEC 60853-2:1989/am1:2008)  
Calculation of the cyclic and emergency current rating of cables – Part 2: Cyclic rating of cables greater than 18/30(36) kV and emergency ratings for cables of all voltages (IEC 60853-2:1989/am1:2008)

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

- HRN EN 60432-3:2013 en pr  
Žarulje sa žarnom niti – Sigurnosni zahtjevi – 3. dio: Halogene volframove žarulje (osim žarulja za vozila) (IEC 60432-3:2012; EN 60432-3:2013)  
Incandescent lamps – Safety specifications – Part 3: Tungsten-halogen lamps (non-vehicle) (IEC 60432-3:2012; EN 60432-3:2013)
- HRN EN 60598-2-24:2013 en pr  
Svjetiljke – Dio 2-24: Posebni zahtjevi – Svjetiljke s ograničenim površinskim temperaturama (IEC 60598-2-24:2013; EN 60598-2-24:2013)  
Luminaires – Part 2-24: Particular requirements – Luminaires with limited surface temperatures (IEC 60598-2-24:2013; EN 60598-2-24:2013)
- HRN EN 60598-2-8:2013 en pr  
Svjetiljke – Dio 2-8: Posebni zahtjevi – Ručne svjetiljke (IEC 60598-2-8:2013; EN 60598-2-8:2013)  
Luminaires – Part 2-8: Particular requirements – Handlamps (IEC 60598-2-8:2013; EN 60598-2-8:2013)
- HRN EN 60968:2013 en pr  
Žarulje za opću rasvjetu s vlastitom predspojnom spravom – Sigurnosni zahtjevi (IEC 60968:2012; EN 60968:2013)  
Self-ballasted lamps for general lighting services – Safety requirements (IEC 60968:2012; EN 60968:2013)
- HRN EN 62612:2013 en pr  
Žarulje sa svjetlećim diodama s vlastitom predspojnom napravom za opću uporabu u rasvjeti s naponom napajanja većim od 50 V – Izvedbeni zahtjevi (IEC 62612:2013; EN 62612:2013)  
Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements (IEC 62612:2013; EN 62612:2013)

### **HZNTO E59, Uporabne značajke električnih kućanskih aparata**

- HRN EN 50564:2013 en pr  
Električna i elektronička kućanska i uredska oprema – Mjerenje niske potrošnje energije (IEC 62301:2011, MOD; EN 50564:2011)  
Electrical and electronic household and office equipment – Measurement of low power consumption (IEC 62301:2011, MOD; EN 50564:2011)
- HRN EN 60456:2008/A12:2013 en pr  
Perilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (EN 60456:2005/A12:2011)  
Clothes washing machines for household use – Methods for measuring the performance (EN 60456:2005/A12:2011)

### **HZNTO E61, Sigurnost električnih kućanskih i sličnih aparata**

- HRN EN 60335-2-6:2006/A12:2013 en pr  
Kućanski i slični električni aparati – Sigurnost – Dio 2-6: Posebni zahtjevi za nepomične štednjake, kuhala, pećnice i slične aparate (EN 60335-2-6:2003/A12:2012)  
Household and similar electrical appliances – Safety – Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (EN 60335-2-6:2003/A12:2012)

HRN EN 62115:2008/A2:2013 en pr  
Električne igračke – Sigurnost (IEC 62115:2003/  
am2:2010, MOD; EN 62115:2005/A2:2011)  
Electric toys – Safety (IEC 62115:2003/am2:2010,  
MOD; EN 62115:2005/A2:2011)

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

HRN EN 61674:2013 en pr  
Medicinski električni uređaji – Dozimetri s ionizacijskim komorama i/ili poluvodičkim detektorima koji se upotrebljavaju u rendgenskoj dijagnostici (IEC 61674:2012; EN 61674:2013)  
Medical electrical equipment – Dosimeters with ionization chambers and/or semi-conductor detectors as used in X-ray diagnostic imaging (IEC 61674:2012; EN 61674:2013)

### **HZN/TO E106, *Elektromagnetska polja u ljudskome okolišu***

HRN EN 50360:2002/A1:2013 en pr  
Norma proizvoda za pokazivanje sukladnosti pokretnih telefona s temeljnim ograničenjima koja se odnose na izloženost ljudi elektromagnetskim poljima (300 MHz-3 GHz) (EN 50360:2001/A1:2012)  
Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz-3 GHz) (EN 50360:2001/A1:2012)

HRN EN 50383:2012/Ispr.1:2013 en pr  
Osnovna norma za proračun i mjerenje jakosti elektromagnetskog polja i gustoće apsorbirane snage koja se odnosi na izloženost ljudi radijskim baznim postajama i nepokretnim krajnjim postajama u bežičnim telekomunikacijskim sustavima (110 MHz - 40 GHz) (EN 50383:2010/AC:2013)  
Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz - 40 GHz) (EN 50383:2010/AC:2013)

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

HRN EN 50529-1:2013 en pr  
Norma elektromagnetske kompatibilnosti (EMC) za mreže – 1. dio: Telekomunikacijske mreže koje koriste telefonske vodove (EN 50529-1:2010)  
EMC network standard – Part 1: Wire-line telecommunications networks using telephone wires (EN 50529-1:2010)

HRN EN 50529-2:2013 en pr  
Norma elektromagnetske kompatibilnosti (EMC) za mreže – 2. dio: Telekomunikacijske mreže koje koriste koaksijalne kabele (EN 50529-2:2010)  
EMC network standard – Part 2: Wire-line telecommunications networks using coaxial cables (EN 50529-2:2010)

HRN EN 55013:2013 en pr  
Zvučni i televizijski radiodifuzijski prijamnici i prateća oprema – Značajke radiosmetnja – Granice i metode mjerenja (CISPR 13:2009, MOD; EN 55013:2013)  
Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement (CISPR 13:2009, MOD; EN 55013:2013)

HRN EN 55032:2013 en pr  
Elektromagnetska kompatibilnost multimedijske opreme – Zahtjevi na emisiju (CISPR 32:2012+Corr.1:

2012+Corr.2:2012; EN 55032:2012+AC:2012)  
Electromagnetic compatibility of multimedia equipment – Emission requirements (CISPR 32:2012+Corr.1:2012 +Corr.2:2012; EN 55032:2012+AC:2012)

HRN EN 61000-4-4:2013 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 4-4: Ispitne i mjerne tehnike – Ispitivanje otpornosti na električne brze tranzijente/rafale (IEC 61000-4-4:2012; EN 61000-4-4:2012)  
Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test (IEC 61000-4-4:2012; EN 61000-4-4:2012)

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

HRN EN 61094-8:2013 en pr  
Mjerenje mikrofona – 8. dio: Metode za određivanje osjetljivosti standardnih radnih mikrofona u slobodnom polju uspoređivanjem (IEC 61094-8:2012; EN 61094-8:2012+AC:2013)  
Measurement microphones – Part 8: Methods for determining the free-field sensitivity of working standard microphones by comparison (IEC 61094-8:2012; EN 61094-8:2012+AC:2013)

HRN EN 61157:2008/A1:2013 en pr  
Standardni načini prikaza akustičkih izlaza medicinske dijagnostičke ultrazvučne opreme (IEC 61157:2007/am1:2013; EN 61157:2007/A1:2013)  
Standard means for the reporting of the acoustic output of medical diagnostic ultrasonic equipment (IEC 61157:2007/am1:2013; EN 61157:2007/A1:2013)

HRN EN 61161:2013 en pr  
Ultrazvuk – Mjerenja snage – Sila zračenja sredstva i zahtjevi za točnost (IEC 61161:2013; EN 61161:2013)  
Ultrasonics – Power measurement – Radiation force balances and performance requirements (IEC 61161:2013; EN 61161:2013)

HRN EN 61689:2013 en pr  
Ultrazvuk – Fizioterapijski sustavi – Specifikacije polja i metode mjerenja u frekvencijskom području od 0,5 MHz do 5 MHz (IEC 61689:2013; EN 61689:2013)  
Ultrasonics – Physiotherapy systems – Field specifications and methods of measurement in the frequency range 0,5 MHz to 5 MHz (IEC 61689:2013; EN 61689:2013)

HRN EN 62127-1:2008/A1:2013 en pr  
Ultrazvuk – Hidrofoni – 1. dio: Mjerenje i karakterizacija medicinskih ultrazvučnih polja do 40 MHz (IEC 62127-1:2007/am1:2013; EN 62127-1:2007/A1:2013)  
Ultrasonics – Hydrophones – Part 1: Measurement and characterization of medical ultrasonic fields up to 40 MHz (IEC 62127-1:2007/am1:2013; EN 62127-1:2007/A1:2013)

HRN EN 62127-2:2008/A1:2013 en pr  
Ultrazvuk – Hidrofoni – 2. dio: Umjeravanje za ultrazvučna polja do 40 MHz (IEC 62127-2:2007/am1:2013; EN 62127-2:2007/A1:2013)  
Ultrasonics – Hydrophones – Part 2: Calibration for ultrasonic fields up to 40 MHz (IEC 62127-2:2007/am1:2013; EN 62127-2:2007/A1:2013)

HRN EN 62127-3:2008/A1:2013 en pr  
Ultrazvuk – Hidrofoni – 3. dio: Svojstva hidrofona za ultrazvučna polja do 40 MHz (IEC 62127-3:2007/am1:2013; EN 62127-3:2007/A1:2013)  
Ultrasonics – Hydrophones – Part 3: Properties of hydrophones for ultrasonic fields up to 40 MHz (IEC 62127-3:2007/am1:2013; EN 62127-3:2007/A1:2013)



HRN EN 62585:2013 en pr  
Elektroakustika – Metode određivanja korekcija za postizanje karakteristike zvukomjera u slobodnom polju (IEC 62585:2012; EN 62585:2012)  
Electroacoustics – Methods to determine corrections to obtain the free-field response of a sound level meter (IEC 62585:2012; EN 62585:2012)

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

HRS CEN/TS 16595:2013 en pr  
KBRN (kemijska, biološka, radiološka i nuklearna zaštita) – Procjena ranjivosti i zaštita ugroženih skupina stanovništva (CEN/TS 16595:2013)  
CBRN – Vulnerability Assessment and Protection of People at Risk (CEN/TS 16595:2013)

### **HZNTU I2, Strojstvo 2**

HRN EN 474-5:2013 en pr  
Strojevi za zemljane radove – Sigurnost – 5. dio: Zahtjevi za hidraulične bagere (EN 474-5:2006+A3:2013)  
Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators (EN 474-5:2006+A3:2013)

### **HZNTU I3, Strojstvo 3**

HRN EN 1143-1:2013 en pr  
Jedinice za sigurno pohranjivanje – Zahtjevi, klasifikacija i metode ispitivanja otpornosti na provalu – 1. dio: Sefovi, sefovi bankomata, trezorska vrata i trezori (EN 1143-1:2012)  
Secure storage units – Requirements, classification and methods of test for resistance to burglary – Part 1: Safes, ATM safes, strongroom doors and strongrooms (EN 1143-1:2012)

HRN EN 1300:2013 en pr  
Jedinice za sigurno pohranjivanje – Klasifikacija brava visoke sigurnosti prema njihovoj otpornosti na neovlašteno otvaranje (EN 1300:2004+A1:2011)  
Secure storage units – Classification for high security locks according to their resistance to unauthorised opening (EN 1300:2004+A1:2011)

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

HRN EN ISO 7405:2009/A1:2013 en pr  
Stomatologija – Ocjenjivanje biokompatibilnosti medicinskih proizvoda koji se primjenjuju u stomatologiji – Amandman 1: Pozitivni kontrolni materijal (ISO 7405:2008/Amd 1:2013; EN ISO 7405:2008/A1:2013)  
Dentistry – Evaluation of biocompatibility of medical devices used in dentistry – Amendment 1: Positive control material (ISO 7405:2008/Amd 1:2013; EN ISO 7405:2008/A1:2013)

HRN EN ISO 10555-1:2013 en pr  
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 1. dio: Opći zahtjevi (ISO 10555-1:2013, ispravljena verzija 2013-07-01; EN ISO 10555-1:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 1: General requirements (ISO 10555-1:2013, Corrected version 2013-07-01; EN ISO 10555-1:2013)

HRN EN ISO 10555-3:2013 en pr  
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 3. dio: Centralni venski kateteri (ISO 10555-3:2013; EN ISO 10555-3:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 3: Central venous catheters (ISO 10555-3:2013; EN ISO 10555-3:2013)

HRN EN ISO 10555-4:2013 en pr  
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 4. dio: Dilatacijski balonski kateteri (ISO 10555-4:2013; EN ISO 10555-4:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 4: Balloon dilatation catheters (ISO 10555-4:2013; EN ISO 10555-4:2013)

HRN EN ISO 10555-5:2013 en pr  
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 5. dio: Periferni kateteri s unutrašnjom iglom (ISO 10555-5:2013; EN ISO 10555-5:2013)  
Intravascular catheters – Sterile and single-use catheters – Part 5: Over-needle peripheral catheters (ISO 10555-5:2013; EN ISO 10555-5:2013)

HRN EN ISO 16498:2013 en pr  
Stomatologija – Minimalni skup podataka o zubnim implantatima za kliničku primjenu (ISO 16498:2013; EN ISO 16498:2013)  
Dentistry – Minimal dental implant data set for clinical use (ISO 16498:2013; EN ISO 16498:2013)

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

HRN EN 2838:2013 en pr  
Nizovi o zrakoplovstvu – Kloroprenski kaučuk (CR) – Otporan na toplinu – Tvrdća 70 IRHD (EN 2838:2013)  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 70 IRHD (EN 2838:2013)

HRN EN 2839:2013 en pr  
Nizovi o zrakoplovstvu – Kloroprenski kaučuk (CR) – Otporan na toplinu – Tvrdća 80 IRHD (EN 2839:2013)  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 80 IRHD (EN 2839:2013)

HRN EN 2840:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporni na mineralna ulja – Tvrdća 50 IRHD (EN 2840:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Mineral oil resistant – Hardness 50 IRHD (EN 2840:2013)

HRN EN 2841:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na mineralna ulja – Tvrdća 60 IRHD (EN 2841:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Mineral oil resistant – Hardness 60 IRHD (EN 2841:2013)

HRN EN 2842:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na mineralna ulja – Tvrdća 70 IRHD (EN 2842:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Mineral oil resistant – Hardness 70 IRHD (EN 2842:2013)

HRN EN 2843:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na mineralna ulja – Tvrdća 80 IRHD (EN 2843:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Mineral oil resistant – Hardness 80 IRHD (EN 2843:2013)

HRN EN 2844:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na mineralna ulja – Tvrdća 90 IRHD (EN 2844:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Mineral oil resistant – Hardness 90 IRHD (EN 2844:2013)

- HRN EN 2845:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na goriva i sintetička ulja – Tvrdća 50 IRHD (EN 2845:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Fuel and synthetic oil resistant – Hardness 50 IRHD (EN 2845:2013)
- HRN EN 2846:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na goriva i sintetička ulja – Tvrdća 60 IRHD (EN 2846:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Fuel and synthetic oil resistant – Hardness 60 IRHD (EN 2846:2013)
- HRN EN 2847:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na goriva i sintetička ulja – Tvrdća 70 IRHD (EN 2847:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Fuel and synthetic oil resistant – Hardness 70 IRHD (EN 2847:2013)
- HRN EN 2848:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na goriva i sintetička ulja – Tvrdća 80 IRHD (EN 2848:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Fuel and synthetic oil resistant – Hardness 80 IRHD (EN 2848:2013)
- HRN EN 2849:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na goriva i sintetička ulja – Tvrdća 90 IRHD (EN 2849:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Fuel and synthetic oil resistant – Hardness 90 IRHD (EN 2849:2013)
- HRN EN 3102:2013 en pr  
Nizovi o zrakoplovstvu – Sredstva za brtvljenje – Metode ispitivanja – Određivanje savitljivosti pri niskim temperaturama (EN 3102:2013)  
Aerospace series – Sealants – Test methods – Determination of low-temperature flexibility (EN 3102:2013)
- HRN EN 3645-001:2013 en pr  
Nizovi o zrakoplovstvu – Spojnice, električne, okrugle, sa zaštitnim plaštom za pinove, za spajanje pomoću trostrukog navoja, stalne radne temperature 175 °C ili 200 °C – 001. dio: Tehničke specifikacije (EN 3645-001:2013)  
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 001: Technical specification (EN 3645-001:2013)
- HRN EN 3646-004:2013 en pr  
Nizovi o zrakoplovstvu – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C ili 200 °C – 004. dio: Utična kutija, namijenjena ugradbi nabijanjem – Norma za proizvod (EN 3646-004:2013)  
Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 004: Receptacle, jam-nut mounting – Product standard (EN 3646-004:2013)
- HRN EN 3697:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na nisku temperaturu – Tvrdća 60 IRHD (EN 3697:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Low temperature resistant – Hardness 60 IRHD (EN 3697:2013)
- HRN EN 3698:2013 en pr  
Nizovi o zrakoplovstvu – Akrlonitril-butadien kaučuk (NBR) – Otporan na nisku temperaturu – Tvrdća 70 IRHD (EN 3698:2013)  
Aerospace series – Acrylonitrile-butadiene rubber (NBR) – Low temperature resistant – Hardness 70 IRHD (EN 3698:2013)
- HRN EN 3861:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Prozirnost stakla – Norma za materijal – Kaljeno natrij-kalcij float staklo (EN 3861:2013)  
Aerospace series – Non-metallic materials – Glass transparencies – Material standard – Thermally tempered soda lime float glass (EN 3861:2013)
- HRN EN 3862:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Prozirnost stakla – Norma za materijal – Kemijski ojačano natrijum-kalcijum float staklo (EN 3862:2013)  
Aerospace series – Non-metallic materials – Glass transparencies – Material standard – Chemically tempered soda lime float glass (EN 3862:2013)
- HRN EN 3863:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Prozirnost stakla – Metode ispitivanja – Određivanje ravnosti (EN 3863:2013)  
Aerospace series – Non-metallic materials – Glass transparencies – Test methods – Determination of flatness (EN 3863:2013)
- HRN EN 3864:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Prozirnost stakla – Metode ispitivanja – Određivanje modula čvrstoće na savijanje (EN 3864:2013)  
Aerospace series – Non-metallic materials – Glass transparencies – Test methods – Determination of modulus of rupture (EN 3864:2013)
- HRN EN 3866:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Prozirnost stakla – Metode ispitivanja – Određivanje pjenjenja i namreškanosti (EN 3866:2013)  
Aerospace series – Non-metallic materials – Glass transparencies – Test methods – Determination of ream and surface ripple (EN 3866:2013)
- HRN EN 4106:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Sustavi adheziva za konstrukcije – Spajanje lijepljenjem – Tehnička specifikacija (EN 4106:2013)  
Aerospace series – Non-metallic materials – Structural adhesive systems – Paste adhesive – Technical specification (EN 4106:2013)
- HRN EN 4199-001:2013 en pr  
Nizovi o zrakoplovstvu – Traka za vezanje za zrakoplov – 001. dio: Tehničke specifikacije (EN 4199-001:2013)  
Aerospace series – Bonding straps for aircraft – Part 001: Technical specification (EN 4199-001:2013)
- HRN EN 4266:2013 en pr  
Nizovi o zrakoplovstvu – Kuglični ravni ležajevi, metal na metal, čelik otporan na koroziju, presvučen s kadmijem – Široki nizovi – Dimenzije i opterećenja – Inčne serije (EN 4266:2013)  
Aerospace series – Bearing spherical plain, metal to metal, in corrosion resisting steel, cadmium plated – Wide series – Dimensions and loads – Inch series (EN 4266:2013)
- HRN EN 4491:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Anaerobne polimerne komponente – Protiv odvrtanja vijka – Moment sile 16 Nm (EN 4491:2013)  
Aerospace series – Non-metallic materials – Anaerobic polymerisable compounds – Threadlocking – Torque strength 16 Nm (EN 4491:2013)
- HRN EN 4492:2013 en pr  
Nizovi o zrakoplovstvu – Nemetalni materijali – Anaerobne polimerne komponente – Protiv odvrtanja vijka – Moment sile 19 Nm (EN 4492:2013)  
Aerospace series – Non-metallic materials – Anaerobic polymerisable compounds – Threadlocking – Torque strength 19 Nm (EN 4492:2013)



- HRN EN 4628:2013 en pr  
Nizovi o zrakoplovstvu – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Kaljen i termički obrađen – Šipka –  $D_e = 200$  mm –  $1150$  MPa =  $R_m = 1300$  MPa (EN 4628:2013)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Bar –  $D_e = 200$  mm –  $1150$  MPa =  $R_m = 1300$  MPa (EN 4628:2013)
- HRN EN 4629:2013 en pr  
Nizovi o zrakoplovstvu – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Omekšan – Kovački otkivak –  $D_e = 300$  mm (EN 4629:2013)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Softened – Forging stock –  $D_e = 300$  mm (EN 4629:2013)
- HRN EN 4631:2013 en pr  
Nizovi o zrakoplovstvu – Čelik X4CrNiMo16-5-1 (1.4418) – Taljen na zraku – Kaljen i termički obrađen – Šipka –  $D_e = 200$  mm –  $900$  MPa =  $R_m = 1050$  MPa (EN 4631:2013)  
Aerospace series – Steel X4CrNiMo16-5-1 (1.4418) – Air melted – Hardened and tempered – Bar –  $D_e = 200$  mm –  $900$  MPa =  $R_m = 1050$  MPa (EN 4631:2013)
- HRN EN 4632-006:2013 en pr  
Nizovi o zrakoplovstvu – Zavarljivost i lemljivost materijala u zrakoplovnim konstrukcijama – 006. dio: Homogeni spojevi titanovih legura (EN 4632-006:2013)  
Aerospace series – Weldability and brazeability of materials in aerospace constructions – Part 006: Homogeneous assemblies of titanium alloys (EN 4632-006:2013)
- HRN EN 4701-001:2013 en pr  
Nizovi o zrakoplovstvu – Spojnice, optičke, kvadratne, modularne, radne temperature  $125$  °C, spojnice za EN 4531 – 001. dio: Tehničke specifikacije (EN 4701-001:2013)  
Aerospace series – Connectors, optical, rectangular, modular, operating temperature  $125$  °C, for EN 4531 contacts – Part 001: Technical specification (EN 4701-001:2013)
- HRN EN 4701-002:2013 en pr  
Nizovi o zrakoplovstvu – Spojnice, optičke, kvadratne, modularne, radne temperature  $125$  °C, spojnice za EN 4531-101 – 002. dio: Materijal (EN 4701-002:2013)  
Aerospace series – Connectors, optical, rectangular, modular, operating temperature  $125$  °C, for EN 4531-101 contacts – Part 002: Material (EN 4701-002:2013)
- HRN EN 4701-003:2013 en pr  
Nizovi o zrakoplovstvu – Spojnice, optičke, kvadratne, modularne, radne temperature  $125$  °C, spojnice za EN 4531-101 – 003. dio: Moduli nizova 2 – Norma za proizvod (EN 4701-003:2013)  
Aerospace series – Connectors, optical, rectangular, modular, operating temperature  $125$  °C, for EN 4531-101 contacts – Part 003: Module series 2 – Product standard (EN 4701-003:2013)
- HRN EN 9104-001:2013 en pr  
Nizovi o zrakoplovstvu – Sustavi upravljanja kvalitetom – 001. dio: Zahtjevi za program certifikacije sustava upravljanja kvalitetom obrane, zrakoplovstva i svemira (EN 9104-001:2013)  
Aerospace series – Quality management systems – Part 001: Requirements for Aviation, Space, and Defence Quality Management System Certification Programs (EN 9104-001:2013)
- HRN EN 9300-004:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 004. dio: Metode opisivanja (EN 9300-004:2013)
- Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 004: Description methods (EN 9300-004:2013)
- HRN EN 9300-011:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 011. dio: Opis referentnog postupka "Priprema podataka" (EN 9300-011:2013)  
Aerospace series – LOTAR Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 011: Reference process description "Data preparation" (EN 9300-011:2013)
- HRN EN 9300-012:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 012. dio: Opis referentnog postupka "Uzimanje" (EN 9300-012:2013)  
Aerospace series – LOTAR Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 012: Reference process description "Ingest" (EN 9300-012:2013)
- HRN EN 9300-013:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 013. dio: Opis referentnog postupka "Arhivska pohrana" (EN 9300-013:2013)  
Aerospace series – LOTAR Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 013: Reference process description "Archival Storage" (EN 9300-013:2013)
- HRN EN 9300-014:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 014. dio: Opis referentnog postupka "Pronalaženje" (EN 9300-014:2013)  
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 014: Reference process description "Retrieval" (EN 9300-014:2013)
- HRN EN 9300-015:2013 en pr  
Nizovi o zrakoplovstvu – LOTAR – Dugotrajno arhiviranje i pronalaženje digitalne tehničke dokumentacije za proizvod kao što su podaci 3D, CAD i PDM – 015. dio: Opis referentnog postupka "Uklanjanje" (EN 9300-015:2013)  
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 015: Reference process description "Removal" (EN 9300-015:2013)
- HRS CEN/TS 16501:2013 en pr  
Upravljanje zračnim prometom – Zahtjevi za osiguravanje programske podrške (CEN/TS 16501:2013)  
Air Traffic Management – Specification for software assurance levels (CEN/TS 16501:2013)

## HZN/TU U1, Opća elektrotehnika 1

- HRN EN 60068-2-5:2013 en pr  
Environmental testing – Part 2-5: Tests – Test Sa: Simulated solar radiation at ground level and guidance for solar radiation testing (IEC 60068-2-5:2010+Corr.1:2010; EN 60068-2-5:2011)

- HRN EN 60068-3-1:2013 en pr  
Environmental testing – Part 3-1: Supporting documentation and guidance – Cold and dry heat tests (IEC 60068-3-1:2011; EN 60068-3-1:2011)
- HRN HD 60269-2:2013 en pr  
Niskonaponski osigurači – 2. dio: Dodatni zahtjevi za osigurače kojima rukuju ovlaštene osobe (osigurači uglavnom namijenjeni za primjenu u industriji) – Primjeri normiranih sustava osigurača A do K (IEC 60269-2:2013, MOD; HD 60269-2:2013)  
Low-voltage fuses – Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) – Examples of standardized systems of fuses A to K (IEC 60269-2:2013, MOD; HD 60269-2:2013)
- HRN EN 60695-2-10:2013 en pr  
Ispitivanje na opasnost od požara – Dio 2-10: Ispitne metode na bazi užarene/vruće žice – Uređaj s užarenom žicom i slični postupci ispitivanja (IEC 60695-2-10:2013; EN 60695-2-10:2013)  
Fire hazard testing – Part 2-10: Glowing/hot-wire based test methods – Glow-wire apparatus and common test procedure (IEC 60695-2-10:2013; EN 60695-2-10:2013)
- HRN EN 60695-6-2:2013 en pr  
Fire hazard testing – Part 6-2: Smoke obscuration – Summary and relevance of test methods (IEC 60695-6-2:2011; EN 60695-6-2:2011)
- HRN EN 60695-7-2:2013 en pr  
Fire hazard testing – Part 7-2: Toxicity of fire effluent – Summary and relevance of test methods (IEC 60695-7-2:2011; EN 60695-7-2:2011)
- HRN EN 60695-7-3:2013 en pr  
Fire hazard testing – Part 7-3: Toxicity of fire effluent – Use and interpretation of test results (IEC 60695-7-3:2011; EN 60695-7-3:2011)
- HRN EN 60695-11-10:2013 en pr  
Ispitivanje na opasnost od požara – Dio 11-10: Ispitni plamenovi – Ispitne metode s horizontalnim i vertikalnim plamenovima snage 50 W (IEC 60695-11-10:2013; EN 60695-11-10:2013)  
Fire hazard testing – Part 11-10: Test flames – 50 W horizontal and vertical flame test methods (IEC 60695-11-10:2013; EN 60695-11-10:2013)
- HRN EN 60695-11-3:2013 en pr  
Ispitivanje na opasnost od požara – Dio 11-3: Ispitni plamenovi – Plamenovi snage 500 W – Uređaji i metode potvrdnog ispitivanja (IEC 60695-11-3:2012; EN 60695-11-3:2012)  
Fire hazard testing – Part 11-3: Test flames – 500 W flames – Apparatus and confirmational test methods (IEC 60695-11-3:2012; EN 60695-11-3:2012)
- HRN EN 60865-1:2013 en pr  
Struje kratkog spoja – Proračun učinaka – 1. dio: Definicije i metode proračuna (IEC 60865-1:2011; EN 60865-1:2012)  
Short-circuit currents – Calculation of effects – Part 1: Definitions and calculation methods (IEC 60865-1:2011; EN 60865-1:2012)
- HRN EN 60974-4:2013 en pr  
Arc welding equipment – Part 4: Periodic inspection and testing (IEC 60974-4:2010; EN 60974-4:2011)
- HRN EN 60974-5:2013 en pr  
Oprema za elektrolučno zavarivanje – 5. dio: Dodavači žice (IEC 60974-5:2013; EN 60974-5:2013)  
Arc welding equipment – Part 5: Wire feeders (IEC 60974-5:2013; EN 60974-5:2013)
- HRN EN 61360-1:2013 en pr  
Standard data elements types with associated classification scheme for electric items – Part 1: Definitions – Principles and methods (IEC 61360-1:2009; EN 61360-1:2010)
- HRN EN 61360-2:2013 en pr  
Standard data element types with associated classification scheme for electric components – Part 2: EXPRESS dictionary schema (IEC 61360-2:2012; EN 61360-2:2013)
- HRN EN 61788-4:2013 en pr  
Superconductivity – Part 4: Residual resistance ratio measurement – Residual resistance ratio of Nb-Ti composite superconductors (IEC 61788-4:2011; EN 61788-4:2011)
- HRN EN 61788-6:2013 en pr  
Superconductivity – Part 6: Mechanical properties measurement – Room temperature tensile test of Cu/Nb-Ti composite superconductors (IEC 61788-6:2011; EN 61788-6:2011)
- HRN EN 61788-11:2013 en pr  
Superconductivity – Part 11: Residual resistance ratio measurement – Residual resistance ratio of Nb3Sn composite superconductors (IEC 61788-11:2011; EN 61788-11:2011)
- HRN EN 62023:2013 en pr  
Structuring of technical information and documentation (IEC 62023:2011+Corr.1:2012; EN 62023:2012)
- HRN EN 62027:2013 en pr  
Preparation of object lists, including parts lists (IEC 62027:2011; EN 62027:2012)
- HRN EN 62474:2013 en pr  
Material declaration for products of and for the electrotechnical industry (IEC 62474:2012; EN 62474:2012)
- HRN EN 80416-3:2008/A1:2013 en pr  
Osnovna načela grafičkih simbola za uporabu na opremi – 3. dio: Smjernice za primjenu grafičkih simbola (IEC 80416-3:2002/am1:2011; EN 80416-3:2002/A1:2011)  
Basic principles for graphical symbols for use on equipment – Part 3: Guidelines for the application of graphical symbols (IEC 80416-3:2002/am1:2011; EN 80416-3:2002/A1:2011)

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

- HRN EN 61010-2-091:2013 en pr  
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-091: Posebni zahtjevi za rendgenske sustave u kućištu (IEC 61010-2-091:2012; EN 61010-2-091:2012+AC:2013)  
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-091: Particular requirements for cabinet X-ray systems (IEC 61010-2-091:2012; EN 61010-2-091:2012+AC:2013)

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

- HRN EN 60358-1:2013 en pr  
Spojni kondenzatori i kapacitivni djelitelji – 1. dio: Opća pravila (IEC 60358-1:2012+Corr.1:2013; EN 60358-1:2012)  
Coupling capacitors and capacitor dividers – Part 1: General rules (IEC 60358-1:2012+Corr.1:2013; EN 60358-1:2012)
- HRN EN 62282-3-300:2013 en pr  
Tehnologija gorivih ćelija – Dio 3-300: Energetski sustavi stacionarnih gorivih ćelija – Instalacija (IEC 62282-3-300:2012; EN 62282-3-300:2012)  
Fuel cell technologies – Part 3-300: Stationary fuel cell power systems – Installation (IEC 62282-3-300:2012; EN 62282-3-300:2012)

## 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 28, *Naftni proizvodi i maziva*

nHRN ISO 1998-99 hr,en,fr pp  
Naftna industrija – Nazivlje – 99. dio: Općenito i indeks (ISO 1998-99:2000)  
Petroleum industry – Terminology – Part 99: General and index (ISO 1998-99:2000)

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

FprEN 16590-1 en  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development (ISO 25119-1:2010, MOD)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 1. dio: Opća načela za projektiranje i razvoj (ISO 25119-1:2010, MOD)

FprEN 16590-2 en  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase (ISO 25119-2:2010, MOD)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 2. dio: Faza koncepta (ISO 25119-2:2010, MOD)

FprEN 16590-3 en  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software (ISO 25119-3:2010, MOD)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 3. dio: Razvoj nizova, hardvera i softvera (ISO 25119-3:2010, MOD)

FprEN 16590-4 en  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes (ISO 25119-4:2010, MOD)  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Sigurnosni dijelovi sustava za nadzor – 4. dio: Proizvodnja, izvedba, modifikacija i postupci za podršku (ISO 25119-4:2010, MOD)

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

prEN ISO 21415-2 rev en  
Wheat and wheat flour – Gluten content – Part 2: Determination of wet gluten by mechanical means (ISO/DIS 21415-2:2013)  
Pšenica i pšenično brašno – Sadržaj glutena – 2. dio: Određivanje vlažnog glutena mehaničkim sredstvima (ISO/DIS 21415-2:2013)

### HZN/TO 43, *Akustika*

EN ISO 3743-2:2009/prA1 en  
Acoustics – Determination of sound power levels of noise sources using sound pressure – Engineering methods for small; movable sources in reverberant fields – Part 2: Methods for special reverberation test rooms – Amendment 1 (ISO 3743-2:1994/DAM 1:2013)  
Akustika – Određivanje razina zvučne snage izvora buke uz uporabu zvučnoga tlaka – Inženjerska metoda za male, pokretne izvore u odječnim poljima – 2. dio: Metode za specijalne odječne ispitne prostorije – Amandman 1 (ISO 3743-2:1994/DAM 1:2013)

prEN ISO 9295 en  
Acoustics – Determination of high-frequency sound power levels emitted by machinery and equipment (ISO/DIS 9295:2013)  
Akustika – Određivanje razina zvučne snage na visokim frekvencijama koju emitiraju strojevi i oprema (ISO/DIS 9295:2013)

EN ISO 10140-3:2010/prA1 en  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation – Amendment 1 (ISO 10140-3:2010/DAM 1:2013)  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 3. dio: Mjerenje udarne zvučne izolacije – Amandman 1 (ISO 10140-3:2010/DAM 1:2013)

EN ISO 10140-3:2010/prA2 en  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation – Amendment 2 (ISO 10140-3:2010/DAM 2:2013)  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 3. dio: Mjerenje udarne zvučne izolacije – Amandman 2 (ISO 10140-3:2010/DAM 2:2013)

EN ISO 10140-3:2010/prA3 en  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 3: Measurement of impact sound insulation (ISO 10140-3:2010/DAM 3:2013)  
Akustika – Laboratorijska mjerenja zvučne izolacije građevnih dijelova zgrade – 3. dio: Mjerenje udarne zvučne izolacije (ISO 10140-3:2010/DAM 3:2013)

### HZN/TO 71, *Beton*

CEN/TR 16563:2013 en  
Principles of the equivalent durability procedure

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

EN ISO 5349-2:2001/prA1 en  
Mechanical vibration – Measurement and evaluation of human exposure to hand-transmitted vibration – Part 2: Practical guidance for measurement at the workplace – Amendment 1 (ISO 5349-2:2001/DAM 1:2013)  
Mehaničke vibracije – Mjerenje i ocjena izloženosti ljudi vibracijama koje se prenose preko ruku – 2. dio: Praktične smjernice za mjerenje na radnome mjestu – Amandman 1 (ISO 5349-2:2001/DAM 1:2013)

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

- prEN ISO 7396-1 en  
Medical gas pipeline systems – Part 1: Pipeline systems for compressed medical gases and vacuum (ISO 7396-1:2007)  
Cjevovodni sustavi za medicinske plinove – 1. dio: Cjevovodni sustavi za komprimirane medicinske plinove i vakuum (ISO 7396-1:2007)
- prEN ISO 80601-2-70 en  
Medical Electrical Equipment – Part 2-70: Particular requirements for basic safety and essential performance of sleep apnea breathing therapy equipment (ISO/DIS 80601-2-70:2013)  
Medicinska električna oprema – Dio 2-70: Posebni zahtjevi za osnovnu sigurnost i osnovne radne značajke opreme za respiratornu terapiju apneje u spavanju (ISO/DIS 80601-2-70:2013)

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

- EN 12016:2013 en  
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity  
Elektromagnetska kompatibilnost – Norma porodice proizvoda za dizala, pokretne stube i pokretne trake – Otpornost

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

- FprEN 10216-1 en  
Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 1: Non-alloy steel tubes with specified room temperature properties  
Bešavne čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 1. dio: Cijevi od nelegiranih čelika s utvrđenim svojstvima pri sobnoj temperaturi
- FprEN 10216-3 en  
Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 3: Alloy fine grain steel tubes  
Bešavne čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 3. dio: Cijevi od legiranog sitnozrnatog čelika
- FprEN 10216-4 en  
Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 4: Non-alloy and alloy steel tubes with specified low temperature properties  
Bešavne čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 4. dio: Cijevi od nelegiranih i legiranih čelika s utvrđenim svojstvima pri niskim temperaturama
- FprEN 10216-5 en  
Seamless steel tubes for pressure purposes – Technical delivery conditions – Part 5: Stainless steel tubes  
Bešavne čelične cijevi za tlačne namjene – Tehnički uvjeti isporuke – 5. dio: Nehrđajuće čelične cijevi

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

- EN 12405-2:2012 en  
Gas meters – Conversion devices – Part 2: Energy conversion  
Plinomjeri – Uređaji za pretvorbu/korekciju – 2. dio: Pretvorba/korekcija energije

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

- EN 12228:2013 en  
Surfaces for sports areas – Determination of joint strength of synthetic surfaces  
Površine sportskih terena – Određivanje čvrstoće spoja sintetičkih obloga

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

- prEN 14680 en  
Adhesives for non-pressure thermoplastic piping systems – Specifications  
Adhezivi za sustave termoplastičnih cijevi koje nisu pod pritiskom – Specifikacije
- FprEN 28510-1 en  
Adhesives – Peel test for a flexible-bonded-to-rigid test specimen assembly – Part 1: 90° peel  
Adhezivi – Ispitivanje raslojavanja ispitnog uzorka “savitljivo lijepjeno na kruto” – 1. dio: Raslojavanje pod kutem od 90°

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

- FprCEN ISO/TS 17444-2 en  
Electronic fee collection – Charging performance – Part 2: Examination Framework (ISO/DTS 17444-2:2013)  
Elektronička naplata – Značajke naplaćivanja – 2. dio: Ispitni okvir (ISO/DTS 17444-2:2013)

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

- EN 13001-3-1:2012+A1:2013 en  
Cranes – General Design – Part 3-1: Limit States and proof competence of steel structure  
Granici – Opće projektiranje – Dio 3-1: Granična stanja i dokaz sigurnosti za čelične nosive konstrukcije

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

- prEN 16475-2 en  
Chimneys – Accessories – Part 2: Chimney fans – Requirements and test methods  
Dimnjaci – Pribor – 2. dio: Ventilatori dimnjaka – Zahtjevi i metode ispitivanja
- prEN 16475-3 en  
Chimneys – Accessories – Part 3: Draught regulators and standstill opening devices – Requirements and test methods  
Dimnjaci – Pribor – 3. dio: Regulatori podtlaka i uređaji za zatvaranje – Zahtjevi i metode ispitivanja

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

- prEN 12791 en  
Chemical disinfectants and antiseptics – Surgical hand disinfection – Test method and requirements (phase 2, step 2)  
Kemijski dezinficijensi i antiseptici – Dezinficijensi za kiruršku dezinfekciju ruku – Metoda testiranja i zahtjevi (faza 2/korak 2)
- EN 13727:2012/FprA1 en  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity in the medical area – Test method and requirements (phase 2, step 1)  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje baktericidne djelotvornosti u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1)
- prEN 14675 en  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area – Test method and requirements – (phase 2, step 1)  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje virucidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterini – Metoda testiranja i zahtjevi (faza 2/korak 1)



## HZN/TO 548, *Konstruktivski eurokodovi*

- EN 1993-1-1:2005/FprA1 en  
Eurocode 3: Design of steel structures – Part 1-1: General rules and rules for buildings  
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade
- EN 1994-1-2:2005/FprA1 en  
Eurocode 4: Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-2: Opća pravila – Proračun konstrukcija na djelovanje požara
- EN 1997-1:2004/FprA1 en  
Eurocode 7: Geotechnical design – Part 1: General rules  
Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila
- EN 1999-1-1:2007/FprA2 en  
Eurocode 9: Design of aluminium structures – Part 1-1: General structural rules  
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-1: Opća pravila

## HZN/TO 555, *Medicinski proizvodi*

- prEN 285 en  
Sterilization – Steam sterilizers – Large sterilizers  
Sterilizatori – Parni sterilizatori – Veliki sterilizatori
- EN ISO 10993-10:2013 en  
Biological evaluation of medical devices – Part 10: Tests for irritation and skin sensitization (ISO 10993-10:2010)  
Biološka procjena medicinskih proizvoda – 10. dio: Ispitivanja za iritaciju i osjetljivost kože (ISO 10993-10:2010)
- prEN ISO 14644-12 en  
Cleanrooms and associated controlled environments – Part 12: Classification of air cleanliness by nanoscale particle concentration (ISO/DIS 14644-12:2013)  
Čisti prostori i odgovarajući kontrolirani okoliš – 12. dio: Razredba čistoće zraka prema koncentraciji čestica određenih nanostupanjskom veličinom (ISO/DIS 14644-12:2013)

## HZN/TO 557, *Zaštitna odjeća*

- prEN 374-2 en  
Protective gloves against chemicals and microorganisms – Part 2: Determination of resistance to penetration  
Rukavice za zaštitu od kemikalija i mikroorganizama – 2. dio: Određivanje otpornosti na propuštanje
- prEN 1073-1 en  
Protective clothing against radioactive contamination – Part 1: Requirements and test methods for ventilated protective clothing against particulate radioactive contamination  
Odjeća za zaštitu od radioaktivne kontaminacije – 1. dio: Zahtjevi i ispitne metode za prozračivu odjeću za zaštitu od kontaminacije radioaktivnim česticama
- FprEN 13277-3 en  
Protective equipment for martial arts – Part 3: Additional requirements and test methods for trunk protectors  
Zaštitna oprema za borilačke sportove – 3. dio: Dodatni zahtjevi i ispitne metode za štitnike tijela
- prEN 16523-2 en  
Determination of material resistance to permeation by chemicals – Part 2: Permeation by gaseous chemical under conditions of continuous contact  
Određivanje otpornosti materijala na upijanje kemikalija – 2. dio: Upijanje plinovitih kemikalija u uvjetima stalnog kontakta

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

- EN 1983:2013 en  
Industrial valves – Steel ball valves  
Industrijski ventili – Čelični kuglasti ventili

## HZN/TO 563, *Sigurnost strojeva*

- EN 13732:2013 en  
Food processing machinery – Bulk milk coolers on farms – Requirements for performance, safety and hygiene  
Strojevi za preradu hrane – Hladnjaci za mlijeko u rinfuzi na farmama – Zahtjevi za izvedbu, sigurnost i higijenu

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

- FprCEN/TS 16621 en  
Food analysis – Determination of benzo[a]pyrene, benz[a]anthracene, chrysene and benzo[b]fluoranthene in foodstuffs by high performance liquid chromatography with fluorescence detection (HPLC-FD)  
Analiza hrane – Određivanje benzo[a]pirena, benz[a]antracena, krizena i benzo[b]fluorantena u hrani tekućinskom kromatografijom visoke djelotvornosti s fluorescentnom detekcijom
- prEN ISO 18743 en  
Microbiology of food and animal feed – Detection of Trichinella Larvae in meat – Physical method by digestion (ISO/DIS 18743:2013)  
Mikrobiologija hrane i hrane za životinje – Dokazivanje prisutnosti bakterije Trichinella Larvae u mesu – Fizička metoda razgradnje (ISO/DIS 18743:2013)

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

- EN 62271-101:2013 en  
High-voltage switchgear and controlgear – Part 101: Synthetic testing (IEC 62271-101:2012)  
Visokonaponska sklopna aparatura – 101. dio: Sintetska ispitivanja (IEC 62271-101:2012)

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

- FprEN 60601-2-17:2013 en  
Medical electrical equipment – Part 2-17: Particular requirements for the basic safety and essential performance of automatically-controlled brachytherapy afterloading equipment (IEC 60601-2-17:201X)  
Medicinski električni uređaji – Dio 2-17: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke automatski kontrolirane opreme za brahiterapiju s naknadnim punjenjem (IEC 60601-2-17:201X)
- EN 60601-2-45:2011/FprA1:2013 en  
Medical electrical equipment – Part 2-45: Particular requirements for the basic safety and essential performance of mammographic X-ray equipment and mammographic stereotactic devices (IEC 60601-2-45:2011/am1:201X)  
Medicinska električna oprema – Dio 2-45: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke mamografske rendgenske opreme i mamografskih stereotaktičkih naprava (IEC 60601-2-45:2011/am1:201X)
- EN 60601-2-52:2010/FprA1:2013 en  
Medical electrical equipment – Part 2-52: Particular requirements for basic safety and essential performance of medical beds (IEC 60601-2-52:2009/am1:201X)  
Medicinski električni uređaji – Dio 2-52: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke medicinskih kreveta (IEC 60601-2-52:2009/am1:201X)



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

EN 55015:2013 en

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2013+IS1:2013+IS2:2013)  
Granice i metode mjerenja značajka radiosmetnja električnih rasvjetnih i sličnih uređaja (CISPR 15:2013+IS1:2013+IS2:2013)

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

FprCEN/TS 16634 en

Personal identification – Recommendations for using biometrics in European Automated Border Control  
Identifikacija osoba – Preporuka za uporabu biometrije u europskoj automatskoj graničnoj kontroli

FprCEN/TR 16669 en

Information technology – Device interface to support ISO/IEC 18000-3  
Informacijska tehnologija – Sučelje uređaja za potporu ISO/IEC 18000-3

FprCEN/TR 16670 en

Information technology – RFID threat and vulnerability analysis  
Informacijska tehnologija – Obradivanje RFID-a i analiza ranjivosti

FprCEN/TR 16671 en

Information technology – Authorisation of mobile phones when used as RFID interrogators  
Informacijska tehnologija – Autorizacija mobilnih telefona kada se upotrebljavaju kao RFID primopredajnici

FprCEN/TR 16672 en

Information technology – Privacy capability features of current RFID technologies  
Informacijska tehnologija – Značajke povjerljivosti sadašnjih RFID tehnologija

FprCEN/TR 16673 en

Information technology – RFID privacy impact assessment analysis for specific sectors  
Informacijska tehnologija – Analize koje se odnose na RFID za posebna područja, procjena utjecaja na privatnost

FprCEN/TR 16674 en

Information technology – Analysis of privacy impact assessment methodologies relevant to RFID  
Informacijska tehnologija – Analize koje se odnose na RFID, metodologija procjene utjecaja na privatnost

FprCEN/TR 16684 en

Information technology – Notification of RFID – Additional information to be provided by operators  
Informacijska tehnologija – Notifikacija RFID-a – Dodatne informacije koje trebaju osigurati operatori sustava

FprCEN/TS 16685 en

Information technology – Notification of RFID – The information sign to be displayed in areas where RFID interrogators are deployed  
Informacijska tehnologija – Notifikacija RFID-a – Informativna oznaka koja se treba izložiti na područjima u kojima se nalaze RFID primopredajnici

FprCEN/TS 419241 en

Security Requirements for Trustworthy Systems Supporting Server Signing  
Sigurnosni zahtjevi za pouzdane sustave za izradu elektroničkog potpisa na strani servera

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

CEN/TR 16496:2013 en

Construction Products – Assessment of release of dangerous substances – Use of harmonised horizontal assessment methods

Građevni proizvodi – Procjena otpuštanja opasnih tvari – Upotreba usklađenih horizontalnih metoda procjene

CEN/TS 16516:2013 en

Construction products – Assessment of release of dangerous substances – Determination of emissions into indoor air

Građevni proizvodi – Procjena otpuštanja opasnih tvari – Određivanje emisija u zrak u zatvorenom prostoru

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

FprCEN/TS 16640 en

Bio-based products – Determination of the bio based carbon content of products using the radiocarbon method

Proizvodi biološkog podrijetla – Određivanje količine ugljika biološkog podrijetla u proizvodima upotrebom metode radioaktivnog ugljika

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

prEN 455-2 en

Medical gloves for single use – Part 2: Requirements and testing for physical properties  
Medicinske rukavice za jednokratnu upotrebu – 2. dio: Zahtjevi i ispitivanje fizičkih svojstava

prEN 455-3 en

Medical gloves for single use – Part 3: Requirements and testing for biological evaluation  
Medicinske rukavice za jednokratnu upotrebu – 3. dio: Zahtjevi i ispitivanje za biološko vrednovanje

prEN ISO 7494-2 rev en

Dentistry – Dental units – Part 2: Media channels and connections (ISO/DIS 7494-2:2013)

FprEN ISO 8637 en

Cardiovascular implants and extracorporeal systems – Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators (ISO 8637:2010, including Amendment 1 2013-04-01)

FprEN ISO 8638 en

Cardiovascular implants and extracorporeal systems – Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters (ISO 8638:2010)

prEN ISO 9173-3 en

Dentistry – Extraction forceps – Part 3: Design and dimensions (ISO/DIS 9173-3:2013)

prEN ISO 9680 en

Dentistry – Operating lights (ISO/DIS 9680:2013)  
Stomatologija – Operacijska rasvjeta (ISO/DIS 9680:2013)

prEN ISO 9687 rev en

Dentistry – Graphical symbols for dental equipment (ISO/DIS 9687:2013)

prEN ISO 11070 rev en

Sterile, single-use intravascular catheter introducers (ISO/DIS 11070:2013)  
Instrumenti za uvođenje sterilnih intravaskularnih katetera za jednokratnu upotrebu (ISO/DIS 11070:2013)

prEN ISO 11499 rev en

Dentistry – Single-use cartridges for local anaesthetics (ISO/DIS 11499:2013)  
Stomatologija – Jednokratne ampule za lokalnu anesteziju (ISO/DIS 11499:2013)

prEN ISO 13116 en

Dentistry – Test Method for Determining Radio-Opacity of Materials (ISO/DIS 13116:2013)

- EN 16081:2011+A1:2013 en  
Hyperbaric chambers – Specific requirements for fire extinguishing systems – Performance, installation and testing  
Hiperbarične komore – Posebni zahtjevi za vatrogasne sustave – Izvedba, instalacija i ispitivanje
- prEN ISO 16443 en  
Dentistry – Terminology of oral implantology (ISO/DIS 16443:2013)
- prEN ISO 16635-2 en  
Dentistry – Dental rubber dam technique – Part 2: Clamp forceps (ISO/DIS 16635-2:2012)
- prEN ISO 17730 en  
Dentistry – Fluoride Varnishes (ISO/DIS 17730:2013)
- prEN ISO 24234 rev en  
Dentistry – Dental amalgam (ISO/DIS 24234:2013)

## 1.4 Povučene hrvatske norme

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

### HZN/TO 5, *Metalne cijevi i priključci*

- HRS CEN/TS 1591-4:2009 en  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 4: Qualification of personnel competency in the assembly of bolted joints fitted to equipment subject to the pressure equipment directive (CEN/TS 1591-4:2007)  
- zamijenjena s: HRN EN 1591-4:2013
- HRN EN ISO 10380:2007 en  
Cjevovodi – Valovite metalne cijevi i sastavni dijelovi cijevi (ISO 10380:2003; EN ISO 10380:2003)  
Pipework – Corrugated metal hoses and hose assemblies (ISO 10380:2003; EN ISO 10380:2003)  
- zamijenjena s: HRN EN ISO 10380:2013
- HRN EN 12842:2008 en  
Ductile iron fittings for PVC-U or PE piping systems – Requirements and test methods (EN 12842:2000)  
- zamijenjena s: HRN EN 12842:2013

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

- HRN EN ISO 217:2008 en  
Papir – Neobrezani arci – Označavanje i dopušteno odstupanje za glavne i sporedne formate te određivanje uzdužnog smjera (MD) (ISO 217:2008; EN ISO 217:2008)  
Paper – Untrimmed sizes – Designation and tolerances for primary and supplementary ranges, and indication of machine direction (ISO 217:2008; EN ISO 217:2008)  
- zamijenjena s: HRN EN ISO 217:2013
- HRN EN ISO 3037:2008 en  
Valoviti karton – Određivanje otpornosti brida na pritisak (metoda nevoštanog brida) (metoda ECT) (ISO 3037:2007; EN ISO 3037:2007)  
Corrugated fibreboard – Determination of edgewise crush resistance (unwaxed edge method) (ISO 3037:2007; EN ISO 3037:2007)  
- zamijenjena s: HRN EN ISO 3037:2013

### HZN/TO 8, *Brodogradnja*

- HRN EN 280:2009 en  
Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi (EN 280:2001+A2:2009)  
Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests (EN 280:2001+A2:2009)  
- zamijenjena s: HRN EN 280:2013
- HRN EN ISO 7840:2004 en  
Mala plovila – Vatrotopne savitljive cijevi za gorivo (ISO 7840:2004; EN ISO 7840:2004)  
Small craft – Fire-resistant fuel hoses (ISO 7840:2004; EN ISO 7840:2004)  
- zamijenjena s: HRN EN ISO 7840:2013
- HRN EN ISO 8469:2008 en  
Mala plovila – Savitljive cijevi za gorivo neotporne na vatru (ISO 8469:2006; EN ISO 8469:2006)  
Small craft – Non-fire-resistant fuel hoses (ISO 8469:2006; EN ISO 8469:2006)  
- zamijenjena s: HRN EN ISO 8469:2013

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

- HRN EN 3-3:2008 en  
Prijenosni vatrogasni aparati – Konstrukcija, otpornost na tlak, mehanička ispitivanja (EN 3-3:1994)  
Portable fire extinguishers – Construction, resistance to pressure, mechanical tests (EN 3-3:1994)  
- bez zamjene
- HRN EN 3-6:2008 en  
Prijenosni vatrogasni aparati – 6. dio: Zahtjevi za potvrđivanje sukladnosti prijenosnih vatrogasnih aparata sukladno normi EN 3, 1. do 5. dio (EN 3-6:1995+A1:1999)  
Portable fire extinguishers – Part 6: Provisions for the attestation of conformity of portable fire extinguishers in accordance with EN 3 part 1 to part 5 (EN 3-6:1995+A1:1999)  
- zamijenjena s: HRN EN 3-10:2009
- HRN DIN VDE 0833-1:2005 de  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 1. dio: Opći zahtjevi (DIN VDE 0833-1:2003)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 1: Allgemeine Festlegungen (DIN VDE 0833-1:2003)  
- zamijenjena s: HRN DIN VDE 0833-1:2013
- HRN DIN VDE 0833-2:2005 de  
Sustavi za uzbunjivanje zbog požara, provale i prepada – 2. dio: Zahtjevi za sustave za požarno uzbunjivanje (DIN VDE 0833-2:2004)  
Gefahrenmeldeanlagen für Brand, Einbruch und Überfall – Teil 2: Festlegungen für Brandmeldeanlagen (BMA) (DIN VDE 0833-2:2004)  
- zamijenjena s: HRN DIN VDE 0833-2:2013

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

- HRN ISO 5530-1:1999 en  
Pšenično brašno – Fizikalna svojstva tijesta – 1. dio: Određivanje apsorpcije vode i reoloških svojstava farinografom (ISO 5530-1:1997)  
Wheat flour – Physical characteristics of doughs – Part 1: Determination of water absorption and rheological properties using a farinograph (ISO 5530-1:1997)  
- zamijenjena s: HRN ISO 5530-1:2013
- HRN ISO 7700-1:2000 en  
Provjeravanje kalibracije mjerača vlage – 1. dio: Mjerači vlage za žitarice (ISO 7700-1:1984)  
Check of the calibration of moisture meters – Part 1: Moisture meters for cereals (ISO 7700-1:1984)  
- zamijenjena s: HRN ISO 7700-1:2013

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

- HRN EN 1320:1999 en  
Razorno ispitivanje zavara metalnih materijala – Ispitivanje lomljenjem (EN 1320:1996)  
Destructive tests on welds in metallic materials – Fracture test (EN 1320:1996)  
- zamijenjena s: HRN EN ISO 9017:2013
- HRN EN 1321:1999 en  
Razorno ispitivanje zavara metalnih materijala – Makroskopsko i mikroskopsko ispitivanje zavara (EN 1321:1996)  
Destructive tests on welds in metallic materials – Macroscopic and microscopic examination of welds (EN 1321:1996)  
- zamijenjena s: HRN EN ISO 17639:2013
- HRN EN ISO 6847:2002 en  
Dodatni i potrošni materijali za zavarivanje – Navarivanje metala zavara za kemijsku analizu (ISO 6847:2000; EN ISO 6847:2001)  
Welding consumables – Deposition of a weld metal pad for chemical analysis (ISO 6847:2000; EN ISO 6847:2001)  
- zamijenjena s: HRN EN ISO 6847:2013
- HRN EN ISO 9312:2002 en  
Oprema za elektrootporno zavarivanje – Izolirani mehanički osigurači za uporabu u elektrodnim osloncima (ISO 9312:1990; EN ISO 9312:1994)  
Resistance welding equipment – Insulated pins for use in electrode back-ups (ISO 9312:1990; EN ISO 9312:1994)  
- zamijenjena s: HRN EN ISO 9312:2013
- HRN EN ISO 9692-1:2004 en  
Zavarivanje i srodni postupci – Preporuke za pripremu spoja – 1. dio: Ručno elektrolučno zavarivanje, MIG/MAG zavarivanje, plinsko zavarivanje, TIG zavarivanje i zavarivanje elektronskim snopom (ISO 9692-1:2003; EN ISO 9692-1:2003)  
Welding and allied processes – Recommendations for joint preparation – Part 1: Manual metal-arc welding, gas-shielded metal-arc welding, gas welding, TIG welding and beam welding of steels (ISO 9692-1:2003; EN ISO 9692-1:2003)  
- zamijenjena s: HRN EN ISO 9692-1:2013
- HRN EN 12517-1:2008 en  
Nerazorno ispitivanje zavarenih spojeva – 1. dio: Vrednovanje zavarenih spojeva čelika, nikla, titana i njihovih legura radiografijom – Razine prihvatljivosti (EN 12517-1:2006)  
Non-destructive testing of welds – Part 1: Evaluation of welded joints in steel, nickel, titanium and their alloys by radiography – Acceptance levels (EN 12517-1:2006)  
- zamijenjena s: HRN EN ISO 10675-1:2013
- HRN EN 12517-2:2008 en  
Nerazorno ispitivanje zavarenih spojeva – 2. dio: Vrednovanje zavarenih spojeva aluminija i njegovih legura radiografijom – Razine prihvatljivosti (EN 12517-2:2008)  
Non-destructive testing of welds – Part 2: Evaluation of welded joints in aluminium and its alloys by radiography – Acceptance levels (EN 12517-2:2008)  
- zamijenjena s: HRN EN ISO 10675-2:2013
- HRN EN 15617:2009 en  
Nerazorno ispitivanje zavara – Tehnika ultrazvučne difrakcije – Razine prihvatljivosti (EN 15617:2009)  
Non-destructive testing of welds – Time-of-flight diffraction technique (TOFD) – Acceptance levels (EN 15617:2009)  
- zamijenjena s: HRN EN ISO 15626:2013

## **HZN/TO 54, Eterična ulja**

- HRN ISO 10115:2005 en  
Ulje estragona (*Artemisia dracunculus* L.), francuski tip (ISO 10115:1997)  
Oil of tarragon (*Artemisia dracunculus* L.), French type (ISO 10115:1997)  
- zamijenjena s: HRN ISO 10115:2013

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

- HRN EN 197-4:2006 hr  
Cement – 4. dio: Sastav, specifikacije i kriteriji sukladnosti metalurškog cementa niske rane čvrstoće (EN 197-4:2004)  
Cement – Part 4: Composition, specifications and conformity criteria for low early strength blastfurnace cements (EN 197-4:2004)  
- zamijenjena s: HRN EN 197-1:2012

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

- HRN EN 14825:2012 en  
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajki (EN 14825:2012)  
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance (EN 14825:2012)  
- zamijenjena s: HRN EN 14825:2013

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

- HRN EN 12871:2010 en  
Ploče na osnovi drva – Uporabne specifikacije i zahtjevi za nosive ploče za podove, zidove i krovove (EN 12871:2010)  
Wood-based panels – Performance specifications and requirements for load bearing boards for use in floors, walls and roofs (EN 12871:2010)  
- zamijenjena s: HRN EN 12871:2013

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

- HRN EN ISO 10819:2000 en  
Mehaničke vibracije i udari – Vibracije ruke – Metoda mjerenja i ocjenjivanja vibracijskoga prijenosnog faktora rukavica na dlanu ruke (ISO 10819:1996; EN ISO 10819:1996)  
Mechanical vibration and shock – Hand-arm vibration – Method for the measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand (ISO 10819:1996; EN ISO 10819:1996)  
- zamijenjena s: HRN EN ISO 10819:2013

## **HZN/TO 126, Duhan i duhanski proizvodi**

- HRN ISO 2971:1998 en  
Cigarete i filter štapići – Određivanje nazivnog promjera – Pneumatska metoda (ISO 2971:1998)  
Cigarettes and filters – Determination of nominal diameter – Pneumatic method (ISO 2971:1998)  
- zamijenjena s: HRN ISO 2971:2013
- HRN ISO 7210:1998 en  
Rutinski analitički stroj za pušenje cigareta – Dodatne metode ispitivanja (ISO 7210:1997)  
Routine analytical cigarette-smoking machines – Additional test methods (ISO 7210:1997)  
- zamijenjena s: HRN ISO 7210:2013

- HRN ISO 10315:2004 en  
Cigarette – Određivanje nikotina u dimnom kondenzatu – Metoda plinske kromatografije (ISO 10315:2000+Cor 1:2000)  
Cigarettes – Determination of nicotine in smoke condensates – Gas-chromatographic method (ISO 10315:2000+Cor 1:2000)  
- zamijenjena s: HRN ISO 10315:2013
- HRN ISO 16632:2004 en  
Duhan i duhanski proizvodi – Određivanje sadržaja vode – Metoda plinske kromatografije (ISO 16632:2003)  
Tobacco and tobacco products – Determination of water content – Gas-chromatographic method (ISO 16632:2003)  
- zamijenjena s: HRN ISO 16632:2013

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

- HRN EN 462-1:1997 hr  
Nerazorno ispitivanje – Kvaliteta radiograma – 1. dio: Indikatori kvalitete radiograma (žičani) – Određivanje stupnja kvalitete radiograma (EN 462-1:1994)  
Non-destructive testing – Image quality of radiographs – Part 1: Image quality indicators (wire type) – Determination of image quality value (EN 462-1:1994)  
- zamijenjena s: HRN EN ISO 19232-1:2013
- HRN EN 462-2:1997 hr  
Nerazorno ispitivanje – Kvaliteta radiograma – 2. dio: Indikatori kvalitete radiograma (stepeničasti s provrtima) – Određivanje stupnja kvalitete radiograma (EN 462-2:1994)  
Non-destructive testing – Image quality of radiographs – Part 2: Image quality indicators (step/hole type) – Determination of image quality value (EN 462-2:1994)  
- zamijenjena s: HRN EN ISO 19232-2:2013
- HRN EN 462-3:1999 hr  
Nerazorno ispitivanje – Kvaliteta radiograma – 3. dio: Razredi kvalitete radiograma za željezne materijale (EN 462-3:1996)  
Non-destructive testing – Image quality of radiographs – Part 3: Image quality classes for ferrous metals (EN 462-3:1996)  
- zamijenjena s: HRN EN ISO 19232-3:2013
- HRN EN 462-4:1997 hr  
Nerazorno ispitivanje – Kvaliteta radiograma – 4. dio: Eksperimentalno određivanje stupnja kvalitete radiograma i tablice kvalitete radiograma (EN 462-4:1994)  
Non-destructive testing – Image quality of radiographs – Part 4: Experimental evaluation of image quality values and image quality tables (EN 462-4:1994)  
- zamijenjena s: HRN EN ISO 19232-4:2013
- HRN EN 462-5:1997 en  
Nerazorno ispitivanje – Kvaliteta radiograma – 5. dio: Indikatori kvalitete radiograma (dvostruke žice) – Određivanje ukupne neoštine (EN 462-5:1996)  
Non-destructive testing – Image quality of radiographs – Part 5: Image quality indicators (duplex wire type) – Determination of image unsharpness value (EN 462-5:1996)  
- zamijenjena s: HRN EN ISO 19232-5:2013
- HRN EN 571-1:2002 hr  
Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (EN 571-1:1997)  
Non-destructive testing – Penetrant testing – Part 1: General principles (EN 571-1:1997)  
- zamijenjena s: HRN EN ISO 3452-1:2013

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

- HRN EN ISO 12571:2002 en  
Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava higroskopske sorpcije (ISO 12571:2000; EN ISO 12571:2000)  
Hygrothermal performance of building materials and products – Determination of hygroscopic sorption properties (ISO 12571:2000; EN ISO 12571:2000)  
- zamijenjena s: HRN EN ISO 12571:2013

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

- HRN EN ISO 11252:2010 en  
Laseri i pridružena oprema – Laserski uređaj – Minimalni zahtjevi za dokumentaciju (ISO 11252:2004; EN ISO 11252:2008)  
Lasers and laser-related equipment – Laser device – Minimum requirements for documentation (ISO 11252:2004; EN ISO 11252:2008)  
- zamijenjena s: HRN EN ISO 11252:2013

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

- HRN EN 12602:2008 en  
Predgotovljeni armirani elementi od porastoga betona (EN 12602:2008)  
Prefabricated reinforced components of autoclaved aerated concrete (EN 12602:2008)  
- zamijenjena s: HRN EN 12602:2013

### **HZN/TO 207, Upravljanje okolišem**

- HRN EN ISO 14031:2008 en  
Upravljanje okolišem – Vrednovanje utjecaja na okoliš – Smjernice (ISO 14031:1999; EN ISO 14031:1999)  
Environmental management – Environmental performance evaluation – Guidelines (ISO 14031:1999; EN ISO 14031:1999)  
- zamijenjena s: HRN EN ISO 14031:2013

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

- HRN EN 14342:2008 en  
Drvene podne obloge – Značajke, ocjena sukladnosti i označavanje (EN 14342:2005+A1:2008)  
Wood flooring – Characteristics, evaluation of conformity and marking (EN 14342:2005+A1:2008)  
- zamijenjena s: HRN EN 14342:2013
- HRN EN 14915:2008 en  
Zidne i stropne obloge od cjelovitoga drva – Značajke, ocjena sukladnosti i označavanje (EN 14915:2006+AC:2007)  
Solid wood panelling and cladding – Characteristics, evaluation of conformity and marking (EN 14915:2006+AC:2007)  
- zamijenjena s: HRN EN 14915:2013

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

- HRN EN ISO 377:2000 en  
Čelik i čelični proizvodi – Položaj i priprema uzoraka i ispitnih uzoraka za mehanička ispitivanja (ISO 377:1997; EN ISO 377:1997)  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO 377:1997; EN ISO 377:1997)  
- zamijenjena s: HRN EN ISO 377:2013



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

HRN EN 1403:2004 en  
Zaštita metala od korozije – Elektronanesene prevlake – Metoda specificiranja općih zahtjeva (EN 1403:1998)  
Corrosion protection of metals – Electrodeposited coatings – Method of specifying general requirements (EN 1403:1998)  
- zamijenjena s: HRN EN ISO 27830:2013

HRN CEN/TS 15280:2007 en  
Ocjena vjerojatnosti korozije ukopanih cjevovoda izazvane djelovanjem izmjenične struje – Primjena na katodno zaštićene cjevovode (CEN/TS 15280:2006)  
Evaluation of a.c. corrosion likelihood of buried pipelines – Application to cathodically protected pipelines (CEN/TS 15280:2006)  
- zamijenjena s: HRN EN 15280:2013

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

HRN EN 1790:2000 en  
Materijali za oznake na kolniku – Unaprijed pripremljene cestovne oznake (EN 1790:1998)  
Road marking materials – Performed road markings (EN 1790:1998)  
- zamijenjena s: HRN EN 1790:2013

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

HRN EN 12234:2003 en  
Površine sportskih terena – Određivanje ponašanja pri kotrljanju lopte (EN 12234:2002)  
Surfaces for sports areas – Determination of ball roll behaviour (EN 12234:2002)  
- zamijenjena s: HRN EN 12234:2013

HRN EN 12235:2007 en  
Površine sportskih terena – Određivanje vertikalnog odboja lopte (EN 12235:2004+AC:2006)  
Surfaces for sports areas – Determination of vertical ball behaviour (EN 12235:2004+AC:2006)  
- zamijenjena s: HRN EN 12235:2013

HRN EN 12616:2003 en  
Površine sportskih terena – Određivanje vodopropusnosti (EN 12616:2003)  
Surfaces for sports areas – Determination of water infiltration rate (EN 12616:2003)  
- zamijenjena s: HRN EN 12616:2013

HRN EN 14877:2008 en  
Površine od sintetičkih materijala za vanjske sportske terene – Specifikacija (EN 14877:2006)  
Synthetic surfaces for outdoor sports areas – Specification (EN 14877:2006)  
- zamijenjena s: HRN EN 14877:2013

HRN EN 15330-1:2008 en  
Površine sportskih terena – Sintetičke travnate podloge (travnjaci) i površine izrađene iglom prvenstveno dizajnirane za vanjsku uporabu – 1. dio: Specifikacija za sintetičke travnate podloge (travnjake) (EN 15330-1:2007+AC:2007)  
Surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – Part 1: Specification for synthetic turf (EN 15330-1:2007+AC:2007)  
- zamijenjena s: HRN EN 15330-1:2013

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

HRS CEN/TS 14999:2008 en  
Adhezivi za sustave termoplastičnih cijevi – Ispitivanje ubrzanog starenja adheziva (CEN/TS 14999:2006)  
Adhesives for thermoplastic piping systems – Accelerated ageing test of adhesives (CEN/TS 14999:2006)  
- zamijenjena s: HRS CEN/TS 14999:2013

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

HRS CEN ISO/TS 25110:2009 en  
Elektronička naplata – Sučelje za naplatu unutar vozila uporabom elektroničke kartice (ICC) (ISO/TS 25110:2008; CEN ISO/TS 25110:2008)  
Electronic fee collection – Interface definition for on-board account using integrated circuit card (ICC) (ISO/TS 25110:2008; CEN ISO/TS 25110:2008)  
- zamijenjena s: HRS CEN ISO/TS 25110:2013

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

HRN EN ISO 3095:2007 en  
Oprema za željeznice – Akustika – Mjerenje buke koju proizvode željeznička vozila (ISO 3095:2005; EN ISO 3095:2005)  
Railway applications – Acoustics – Measurement of noise emitted by railbound vehicles (ISO 3095:2005; EN ISO 3095:2005)  
- zamijenjena s: HRN EN ISO 3095:2013

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

HRS CEN/TS 13001-3-1:2008 en  
Granici – Opće projektiranje – Dio 3-1: Granična stanja i dokaz sigurnosti za čelične nosive konstrukcije (CEN/TS 13001-3-1:2004+AC:2006)  
Cranes – General design – Part 3-1: Limit states and proof of competence of steel structures (CEN/TS 13001-3-1:2004+AC:2006)  
- zamijenjena s: HRN EN 13001-3-1:2012

HRN EN 13001-3-1:2012 en  
Granici – Opće projektiranje – Dio 3-1: Granična stanja i dokaz sigurnosti za čelične nosive konstrukcije (EN 13001-3-1:2012)  
Cranes – General Design – Part 3-1: Limit States and proof of competence of steel structure (EN 13001-3-1:2012)  
- zamijenjena s: HRN EN 13001-3-1:2013

HRN EN 13852-1:2008 en  
Granici – Granici na platformama i ostalim plovnim objektima – 1. dio: Opća namjena (EN 13852-1:2004+AC:2007)  
Cranes – Offshore cranes – Part 1: General-purpose offshore cranes (EN 13852-1:2004+AC:2007)  
- zamijenjena s: HRN EN 13852-1:2013

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

HRN EN 1360:2008 en  
Gumena i plastična crijeva i crijevni uređaji za mjerenje količine goriva – Specifikacija (EN 1360:2005)  
Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems – Specification (EN 1360:2005)  
- zamijenjena s: HRN EN 1360:2013

HRN EN ISO 5999:2008 en  
Savitljivi pjenasti polimerni materijali – Poliuretanska pjena za nosive uporabe osim za podloge tepiha – Specifikacija (ISO 5999:2007; EN ISO 5999:2007)  
Flexible cellular polymeric materials – Polyurethane foam for load-bearing applications excluding carpet underlay – Specification (ISO 5999:2007; EN ISO 5999:2007)  
- zamijenjena s: HRN EN ISO 5999:2013

HRN EN ISO 11758:2008 en  
Gumena i plastična crijeva – Izlaganje ksenonskoj lučnoj svjetiljki – Određivanje promjena boje i izgleda (ISO 11758:1995; EN ISO 11758:1997+AC:1998)



- Rubber and plastics hoses – Exposure to a xenon arc lamp – Determination of changes in colour and appearance (ISO 11758:1995; EN ISO 11758:1997+AC:1998)  
- zamijenjena s: HRN EN ISO 30013:2011
- HRN EN 13483:2008 en  
Gumena i plastična crijeva i crijevni uređaji s unutrašnjom regeneracijom pare za sustave razdiobe mjerena goriva – Specifikacija (EN 13483:2005)  
Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – Specification (EN 13483:2005)  
- zamijenjena s: HRN EN 13483:2013
- HRN EN 14420-1:2008 en  
Crijevni priključci sa stezaljkama – 1. dio: Zahtjevi, pregled, označavanje i ispitivanje (EN 14420-1:2004+A1:2007)  
Hose fittings with clamp units – Part 1: Requirements, survey, designation and testing (EN 14420-1:2004+A1:2007)  
- zamijenjena s: HRN EN 14420-1:2013
- HRN EN 14420-2:2008 en  
Crijevni priključci sa stezaljkama – 2. dio: Bočni dijelovi nastavka za crijevo (EN 14420-2:2004)  
Hose fittings with clamp units – Part 2: Hose side parts of hose tail (EN 14420-2:2004)  
- zamijenjena s: HRN EN 14420-2:2013
- HRN EN 14420-3:2008 en  
Crijevni priključci sa stezaljkama – 3. dio: Stezaljke s vijkom ili zatikom (EN 14420-3:2004)  
Hose fittings with clamp units – Part 3: Clamp units, bolted or pinned (EN 14420-3:2004)  
- zamijenjena s: HRN EN 14420-3:2013
- HRN EN 14420-4:2008 en  
Crijevni priključci sa stezaljkama – 4. dio: Spojevi s prirubnicom (EN 14420-4:2004+A1:2007)  
Hose fittings with clamp units – Part 4: Flange connections (EN 14420-4:2004+A1:2007)  
- zamijenjena s: HRN EN 14420-4:2013
- HRN EN 14420-5:2008 en  
Crijevni priključci sa stezaljkama – 5. dio: Navojni spojevi (EN 14420-5:2004)  
Hose fittings with clamp units – Part 5: Threaded connections (EN 14420-5:2004)  
- zamijenjena s: HRN EN 14420-5:2013
- HRN EN 14420-6:2008 en  
Crijevni priključci sa stezaljkama – 6. dio: TW spojke za auto cisterne (EN 14420-6:2004+A1:2007)  
Hose fittings with clamp units – Part 6: TW tank truck couplings (EN 14420-6:2004+A1:2007)  
- zamijenjena s: HRN EN 14420-6:2013
- HRN EN 14420-7:2008 en  
Cijevni priključci sa stezaljkama – 7. dio: Spojke za zatvaranje (EN 14420-7:2004+A1:2007)  
Hose fittings with clamp units – Part 7: Cam locking couplings (EN 14420-7:2004+A1:2007)  
- zamijenjena s: HRN EN 14420-7:2013
- HRN EN 14420-8:2008 en  
Crijevni priključci sa stezaljkama – 8. dio: Simetrične poluspojke (Guillemin sustav) (EN 14420-8:2004+A1:2007)  
Hose fittings with clamp units – Part 8: Symmetrical half coupling (Guillemin system) (EN 14420-8:2004+A1:2007)  
- zamijenjena s: HRN EN 14420-8:2013
- HRN EN 14422:2008 en  
Sklopovi spojki steznog tipa za crijeva kod prijenosa ukapljenoga naftnog plina (LPG) (EN 14422:2004+AC:2006)  
Clamp type coupling assemblies for LPG transfer hoses (EN 14422:2004+AC:2006)  
- zamijenjena s: HRN EN 14422:2013
- HRN EN 14423:2008 en  
Sklopovi spojki steznog tipa za upotrebu kod crijeva za paru i određene tlakove do 18 bara (EN 14423:2004+AC:2006)  
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar (EN 14423:2004+AC:2006)  
- zamijenjena s: HRN EN 14423:2013
- HRN EN 14424:2008 en  
Crijevni priključci s vijčanim metalnim prstenovima (EN 14424:2004)  
Hose fittings with screwed ferrules (EN 14424:2004)  
- zamijenjena s: HRN EN 14424:2013
- HZN/TO 532, Dimnjaci**
- HRN EN 14241-1:2008 en  
Dimnjaci – Brtve i brtvila od elastomera – Zahtjevi za materijal i ispitne metode – 1. dio: Brtve u dimnovodnim cijevima (EN 14241-1:2005)  
Chimneys – Elastomeric seals and elastomeric sealants – Material requirements and test methods – Part 1: Seals in flue liners (EN 14241-1:2005)  
- zamijenjena s: HRN EN 14241-1:2013
- HZN/TO 534, Spremnici za teret**
- HRN EN 14125:2008 en  
Termoplastični i savitljivi metalni cjevovod za podzemnu ugradnju na benzinskim stanicama za punjenje (EN 14125:2004+A1:2006)  
Thermoplastic and flexible metal pipework for underground installation at petrol filling stations (EN 14125:2004+A1:2006)  
- zamijenjena s: HRN EN 14125:2013
- HZN/TO 535, Agregati**
- HRN EN 13383-2:2004 en  
Kamenozaštite – 2. dio: Ispitne metode (EN 13383-2:2002)  
Armourstone – Part 2: Test methods (EN 13383-2:2002)  
- zamijenjena s: HRN EN 13383-2:2013
- HZN/TO 539, Kemijski dezinficijensi i antiseptici**
- HRN EN 13624:2005 en  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje fungicidne djelotvornosti kemijskih dezinficijensa za instrumente koji se upotrebljavaju u medicini – Metoda i zahtjevi testiranja (faza 2, korak 1) (EN 13624:2003)  
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 1) (EN 13624:2003)  
- zamijenjena s: HRN EN 13624:2013
- HRN EN 14476:2010 en  
Kemijski dezinficijensi i antiseptici – Virucidni kvantitativni suspenzijski test za kemijske dezinficijense i antiseptike koji se upotrebljavaju u humanoj medicini – Ispitna metoda i zahtjevi (faza 2, korak 1) (EN 14476:2005+A1:2006)  
Chemical disinfectants and antiseptics – Virucidal quantitative suspension test for chemical disinfectants and antiseptics used in human medicine – Test method and requirements (phase 2, step 1) (EN 14476:2005+A1:2006)  
- zamijenjena s: HRN EN 14476:2013

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

- HRN ISO 3898:2002 hr,en  
Osnove proračuna konstrukcija – Obilježavanje – Opće oznake (ISO 3898:1997)  
Bases for design of structures – Notations – General symbols (ISO 3898:1997)  
- zamijenjena s: HRN ISO 3898:2013
- HRS ISO/TS 21929-1:2009 en  
Održivost pri gradnji zgrada – Pokazatelji održivosti – 1. dio: Okvir za razvoj pokazatelja za zgrade (ISO/TS 21929-1:2006)  
Sustainability in building construction – Sustainability indicators – Part 1: Framework for development of indicators for buildings (ISO/TS 21929-1:2006)  
- zamijenjena s: HRN ISO 21929-1:2013

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

- HRN EN 1344:2004 en  
Glineni elementi za popločavanje – Zahtjevi i ispitne metode (EN 1344:2002)  
Clay pavers – Requirements and test methods (EN 1344:2002)  
- zamijenjena s: HRN EN 1344:2013

## **HZN/TO 557, *Zaštitna odjeća***

- HRN EN 340:2004 en  
Zaštitna odjeća – Opći zahtjevi (EN 340:2003)  
Protective clothing – General requirements (EN 340:2003)  
- zamijenjena s: HRN EN ISO 13688:2013
- HRN EN 471:2008 en  
Upozoravajuća odjeća uočljiva s velike udaljenosti za profesionalnu uporabu – Ispitne metode i zahtjevi (EN 471:2003+A1:2007)  
High-visibility warning clothing for professional use – Test methods and requirements (EN 471:2003+A1:2007)  
- zamijenjena s: HRN EN ISO 20471:2013

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

- HRN EN 14143:2004 en  
Zaštitne naprave za disanje – Samostalni ronilački uređaji s povratnim udisanjem (EN 14143:2003)  
Respiratory equipment – Self-contained re-breathing diving apparatus (EN 14143:2003)  
- zamijenjena s: HRN EN 14143:2013

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

- HRN EN ISO 4126-1:2007 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 1. dio: Sigurnosni zaporni uređaji (ISO 4126-1:2004; EN ISO 4126-1:2004+AC:2006)  
Safety devices for protection against excessive pressure – Part 1: Safety valves (ISO 4126-1:2004; EN ISO 4126-1:2004+AC:2006)  
- zamijenjena s: HRN EN ISO 4126-1:2013
- HRN EN ISO 4126-4:2004 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 4. dio: Sigurnosni ventili kojima upravlja pilot uređaj (ISO 4126-4:2004; EN ISO 4126-4:2004)  
Safety devices for protection against excessive pressure – Part 4: Pilot operated safety valves (ISO 4126-4:2004; EN ISO 4126-4:2004)  
- zamijenjena s: HRN EN ISO 4126-4:2013
- HRN EN ISO 4126-5:2007 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 5. dio: Regulirani sigurnosni sustavi za rasterećenje tlaka (CSPRS) (ISO 4126-5:2004; EN ISO 4126-5:2004)

Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2004; EN ISO 4126-5:2004)  
- zamijenjena s: HRN EN ISO 4126-5:2013

- HRN EN ISO 4126-5:2007/Ispr.1:2008 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 5. dio: Regulirani sigurnosni sustavi za rasterećenje tlaka (CSPRS) (ISO 4126-5:2004/Cor 1:2006/Cor 2:2007; EN ISO 4126-5:2004/AC:2008)  
Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) (ISO 4126-5:2004/Cor 1:2006/Cor 2:2007; EN ISO 4126-5:2004/AC:2008)  
- zamijenjena s: HRN EN ISO 4126-5:2013

- HRN EN ISO 4126-7:2007 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 7. dio: Zajednički podaci (ISO 4126-7:2004; EN ISO 4126-7:2004)  
Safety devices for protection against excessive pressure – Part 7: Common data (ISO 4126-7:2004; EN ISO 4126-7:2004)  
- zamijenjena s: HRN EN ISO 4126-7:2013

- HRN EN ISO 4126-7:2007/Ispr.1:2008 en  
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 7. dio: Zajednički podaci (ISO 4126-7:2004/Cor 1:2006; EN ISO 4126-7:2004/AC:2008)  
Safety devices for protection against excessive pressure – Part 7: Common data (ISO 4126-7:2004/Cor 1:2006; EN ISO 4126-7:2004/AC:2008)  
- zamijenjena s: HRN EN ISO 4126-7:2013

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

- HRN EN ISO 20743:2008 en  
Tekstilije – Određivanje antibakterijske aktivnosti antibakterijski obrađenih proizvoda (ISO 20743:2007; EN ISO 20743:2007)  
Textiles – Determination of antibacterial activity of antibacterial finished products (ISO 20743:2007; EN ISO 20743:2007)  
- zamijenjena s: HRN EN ISO 20743:2013

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

- HRN EN 12957:2009 en  
Alatni strojevi – Sigurnost – Strojevi za elektroeroziju (EN 12957:2001+A1:2009)  
Machine tools – Safety – Electro discharge machines (EN 12957:2001+A1:2009)  
- zamijenjena s: HRN EN ISO 28881:2013

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

- HRN EN 1760-1:2009 en  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlak (tlačnu silu, silu pritiska) – 1. dio: Opći principi za projektiranje i ispitivanje podloga (za stajanje ili pristupanje čovjeka) osjetljivih na tlačnu silu (EN 1760-1:1997+A1:2009)  
Safety of machinery – Pressure sensitive protective devices – Part 1: General principles for the design and testing of pressure sensitive mats and pressure sensitive floors (EN 1760-1:1997+A1:2009)  
- zamijenjena s: HRN EN ISO 13856-1:2013
- HRN EN 1760-2:2009 en  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlačnu silu – 2. dio: Opći principi za projektiranje i ispitivanje letvica i motki osjetljivih na dodirnu tlačnu silu (dodira ili naslanjanja) (EN 1760-2:2001+A1:2009)  
Safety of machinery – Pressure sensitive protective devices – Part 2: General principles for the design and testing of pressure sensitive edges and pressure sensitive bars (EN 1760-2:2001+A1:2009)  
- zamijenjena s: HRN EN ISO 13856-2:2013

- HRN EN 1760-3:2009 en  
Sigurnost strojeva – Zaštitni uređaji osjetljivi na tlačnu silu – 3. dio: Opći principi za projektiranje i ispitivanje odbojnika, pločica, žica i sličnih uređaja osjetljivih na dodirnu tlačnu silu (EN 1760-3:2004+A1:2009)  
Safety of machinery – Pressure sensitive protective devices – Part 3: General principles for the design and testing of pressure sensitive bumpers, plates, wires and similar devices (EN 1760-3:2004+A1:2009)  
- zamijenjena s: HRN EN ISO 13856-3:2013
- HRN EN 1953:2010 en  
Oprema za raspršivanje i naštrcavanje pri prevlačenju materijala – Sigurnosni zahtjevi (EN 1953:1998+A1:2009)  
Atomising and spraying equipment for coating materials – Safety requirements (EN 1953:1998+A1:2009)  
- zamijenjena s: HRN EN 1953:2013

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

- HRN ISO 5536:2010 en  
Masni mliječni proizvodi – Određivanje udjela vode – Karl Fischerova metoda (ISO 5536:2009)  
Milk fat products – Determination of water content – Karl Fischer method (ISO 5536:2009)  
- zamijenjena s: HRN EN ISO 5536:2013
- HRN ISO 9233-1:2010 en  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 1. dio: Metoda molekularne apsorpcijske spektrometrije za koru sira (ISO 9233-1:2007)  
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 1: Molecular absorption spectrometric method for cheese rind (ISO 9233-1:2007)  
- zamijenjena s: HRN EN ISO 9233-1:2013
- HRN ISO 9233-2:2010 en  
Sir, kora sira i topljeni sir – Određivanje udjela natamicina – 2. dio: Metoda tekućinske kromatografije visokog učinka za sir, koru sira i topljeni sir (ISO 9233-2:2007)  
Cheese, cheese rind and processed cheese – Determination of natamycin content – Part 2: High-performance liquid chromatographic method for cheese, cheese rind and processed cheese (ISO 9233-2:2007)  
- zamijenjena s: HRN EN ISO 9233-2:2013

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

- HRN IEC 60684-3-240:2005 en  
Savittljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlaka – 240 do 243. list: Toplinski skupljajuće PFTE navlake (IEC 60684-3-240:2002)  
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheets 240 to 243: Heat-shrinkable PTFE sleeving (IEC 60684-3-240:2002)  
- zamijenjena s: HRN EN 60684-3-240:2013

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

- HRN EN 474-5:2012 en  
Strojevi za zemljane radove – Sigurnost – 5. dio: Zahtjevi za hidraulične bagere (EN 474-5:2006+A1:2009+A2:2012)  
Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators (EN 474-5:2006+A1:2009+A2:2012)  
- zamijenjena s: HRN EN 474-5:2013

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

- HRN EN ISO 10555-1:2011 en  
Sterilni jednokratni intravaskularni kateteri – 1. dio: Opći zahtjevi (ISO 10555-1:1995+Amd 1:1999+Amd 2:2004; EN ISO 10555-1:2009)  
Sterile, single-use intravascular catheters – Part 1: General requirements (ISO 10555-1:1995+Amd 1:1999+Amd 2:2004; EN ISO 10555-1:2009)  
- zamijenjena s: HRN EN ISO 10555-1:2013
- HRN EN ISO 10555-3:2008 en  
Sterilni jednokratni intravaskularni kateteri – 3. dio: Centralni venski kateteri (ISO 10555-3:1996+Cor 1:2002; EN ISO 10555-3:1997+AC:2002)  
Sterile, single-use intravascular catheters – Part 3: Central venous catheters (ISO 10555-3:1996+Cor 1:2002; EN ISO 10555-3:1997+AC:2002)  
- zamijenjena s: HRN EN ISO 10555-3:2013
- HRN EN ISO 10555-4:2008 en  
Sterilni jednokratni intravaskularni kateteri – 4. dio: Dilatacijski balonski kateteri (ISO 10555-4:1996+Cor 1:2002; EN ISO 10555-4:1997+AC:2002)  
Sterile, single-use intravascular catheters – Part 4: Balloon dilatation catheters (ISO 10555-4:1996+Cor 1:2002; EN ISO 10555-4:1997+AC:2002)  
- zamijenjena s: HRN EN ISO 10555-4:2013
- HRN EN ISO 10555-5:2008 en  
Sterilni jednokratni intravaskularni kateteri – 5. dio: Periferni kateteri s unutrašnjom iglom (ISO 10555-5:1996+Amd 1:1999+Cor 1:2002; EN ISO 10555-5:1997+A1:2000+AC:2002)  
Sterile, single-use intravascular catheters – Part 5: Over-needle peripheral catheters (ISO 10555-5:1996+Amd 1:1999+Cor 1:2002; EN ISO 10555-5:1997+A1:2000+AC:2002)  
- zamijenjena s: HRN EN ISO 10555-5:2013

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

- HRN EN 3645-001:2008 en  
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 001: Technical specification (EN 3645-001:2007)  
- zamijenjena s: HRN EN 3645-001:2013
- HRN EN 3646-004:2008 en  
Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 004: Receptacle, jam-nut mounting – Product standard (EN 3646-004:2006)  
- zamijenjena s: HRN EN 3646-004:2013
- HRN EN 4199-001:2008 en  
Aerospace series – Bonding straps for aircraft – Part 001: Technical specification (EN 4199-001:2006)  
- zamijenjena s: HRN EN 4199-001:2013
- HRN EN 4628:2008 en  
Aerospace series – Steel FE-PM 3504 (X4CrNiMo16-5-1) – Air melted – Hardened and tempered – Bar –  $D_e \leq 150$  mm –  $1100$  MPa  $\leq R_m \leq 1300$  MPa (EN 4628:2007)  
- zamijenjena s: HRN EN 4628:2013
- HRN EN 4629:2008 en  
Aerospace series – Steel FE-PM 3504 (X4CrNiMo16-5-1) – Air melted – Hardened and tempered – Forging stock –  $D_e \leq 300$  mm (EN 4629:2007)  
- zamijenjena s: HRN EN 4629:2013

HRN EN 4631:2008 en  
Aerospace series – Steel FE-PM 3504  
(X4CrNiMo16-5-1) – Air melted – Hardened and  
tempered – Bar –  $D_0 \leq 200$  mm –  $900$  MPa  $\leq R_m \leq$   
 $1050$  MPa (EN 4631:2007)  
- zamijenjena s: HRN EN 4631:2013

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

HRN IEC 80416-3:2008 en  
Osnovna načela grafičkih simbola za uporabu na  
opremi – 3. dio: Smjernice za primjenu grafičkih  
simbola (IEC 80416-3:2002)  
Basic principles for graphical symbols for use on  
equipment – Part 3: Guidelines for the application of  
graphical symbols (IEC 80416-3:2002)  
- zamijenjena s: HRN EN 80416-3:2008

## 1.6 Ispravci hrvatskih norma

U popisima hrvatskih norma objavljenim u ranijim brojevima  
službenog glasila potkrale su se pogreške.  
Niže navodimo ispravne oznake i naslove hrvatskih norma.

### HZNTO 511, *Eksplzivni za civilnu uporabu*

- **umjesto**  
HRN EN ISO 14451-4:2013  
Pirotehnička sredstva – Pirotehnička sredstva za vozila  
– 4. dio: Zahtjevi na mikro generatore plina  
(ISO 14451-4:2013; EN ISO 14451-4:2013)  
Pyrotechnic articles – Pyrotechnic articles for vehicles  
– Part 4: Requirements and categorization for micro  
gas generators (ISO 14451-4:2013;  
EN ISO 14451-4:2013)
- **treba biti**  
HRN EN ISO 14451-4:2013  
Pirotehnička sredstva – Pirotehnička sredstva za vozila  
– 4. dio: Zahtjevi i **kategorizacija** za mikro generatore  
plina (ISO 14451-4:2013; EN ISO 14451-4:2013)  
Pyrotechnic articles – Pyrotechnic articles for vehicles  
– Part 4: Requirements and categorization for micro  
gas generators (ISO 14451-4:2013;  
EN ISO 14451-4:2013)

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

- **umjesto**  
HRI CEN ISO/TR ISO 24014-3:2013  
Javni prijevoz – Interoperabilan sustav upravljanja  
naplatom – 3. dio: Dodatni pojmovi za 1. dio za  
višestruko primjenljive medije (ISO/TR 24014-3:2013;  
CEN ISO/TR **ISO** 24014-3:2013)  
Public transport – Interoperable fare management  
system – Part 3: Complementary concepts to Part 1  
for multi-application media (ISO/TR 24014-3:2013;  
CEN ISO/TR **ISO** 24014-3:2013)
- **treba biti**  
HRI CEN ISO/TR 24014-3:2013  
Javni prijevoz – Interoperabilan sustav upravljanja  
naplatom – 3. dio: Dodatni pojmovi za 1. dio za  
višestruko primjenljive medije (ISO/TR 24014-3:2013;  
CEN ISO/TR 24014-3:2013)  
Public transport – Interoperable fare management  
system – Part 3: Complementary concepts to Part 1  
for multi-application media (ISO/TR 24014-3:2013;  
CEN ISO/TR 24014-3:2013)

### HZNTO 531, *Plastika i guma*

- **umjesto**  
HRN EN ISO 8030:2008  
Gumena i plastična crijeva – Metoda ispitivanja  
gorivosti (ISO 8030:1987; EN ISO 8030:1997)  
Rubber and plastics hoses – Method of test for  
flammability (ISO 8030:1987; EN ISO 8030:1997)
- **treba biti**  
HRN EN ISO 8030:2008  
Gumena i plastična crijeva – Metoda ispitivanja  
gorivosti (ISO 8030:1995; EN ISO 8030:1997)  
Rubber and plastics hoses – Method of test for  
flammability (ISO 8030:1995; EN ISO 8030:1997)

### HZNTO 560, *Tekstilni proizvodi*

- **umjesto**  
HRN EN ISO 105-G01:2003/Ispr.1:2008  
Tekstil – Ispitivanje postojanosti obojenja – Dio G01:  
Ispitivanje postojanosti obojenja na dušikove okside  
(ISO 105-G01:1993; EN ISO 105-G01:1995/AC:1996)  
Textiles – Tests for colour fastness – Part G01: Colour  
fastness to nitrogen oxides (ISO 105-G01:1993;  
EN ISO 105-G01:1995/AC:1996)
- **treba biti**  
HRN EN ISO 105-G01:2003/Ispr.1:2008  
Tekstil – Ispitivanje postojanosti obojenja – Dio G01:  
Ispitivanje postojanosti obojenja na dušikove okside  
(ISO 105-G01:1993/**Cor 1:1995**;  
EN ISO 105-G01:1995/AC:1996)  
Textiles – Tests for colour fastness – Part G01: Colour  
fastness to nitrogen oxides  
(ISO 105-G01:1993/**Cor 1:1995**;  
EN ISO 105-G01:1995/AC:1996)

### HZNTO E23, *Električni instalacijski pribor*

- **umjesto**  
HRN HD 639 S1:2007  
Električni **pribori** – Prenosive strujne zaštitne sklopke  
bez združene nadstrujne zaštite za kućanstvo i sličnu  
**uporabu** (PRCD-i) (IEC 61540:1997+am1:1998, MOD;  
HD 639 S1:2002+AC:2003)  
Electrical accessories – Portable residual current devices  
without integral overcurrent protection for household  
and similar use (PRCDs) (IEC 61540:1997+am1:1998,  
MOD; HD 639 S1:2002+AC:2003)
- **treba biti**  
HRN HD 639 S1:2007  
Električni **pribor** – Prenosive strujne zaštitne sklopke  
bez združene nadstrujne zaštite za kućanstvo i sličnu  
**primjenu** (PRCD-i) (IEC 61540:1997+am1:1998,  
MOD; HD 639 S1:2002+AC:2003)  
Electrical accessories – Portable residual current devices  
without integral overcurrent protection for household  
and similar use (PRCDs) (IEC 61540:1997+am1:1998,  
MOD; HD 639 S1:2002+AC:2003)
- **umjesto**  
HRN HD 639 S1:2007/A2:2011  
**Elektroinstalacijski** pribor – Prenosive strujne zaštitne  
sklopke, bez združene nadstrujne zaštite za kućanstvo  
i sličnu **uporabu** (HD 639 S1:2002/A2:2010)  
Electrical accessories – Portable residual current  
devices without integral overcurrent protection for  
household and similar use (HD 639 S1:2002/A2:2010)



- **treba biti**
- HRN HD 639 S1:2007/A2:2011  
Električni pribor – Prenosive strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i sličnu primjenu (PRCD-i) (HD 639 S1:2002/A2:2010)  
Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (HD 639 S1:2002/A2:2010)
- **umjesto**
- HRN HD 639 S1/A1:2007  
Električni pribori – Prenosive strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i sličnu uporabu (PRCD-i) (HD 639 S1:2002/A2:2010)  
Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (HD 639 S1:2002/A2:2010)
- **treba biti**
- HRN HD 639 S1:2007/A1:2007  
Električni pribor – Prenosive strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i sličnu primjenu (PRCD-i) (HD 639 S1:2002/A1:2003)  
Electrical accessories – Portable residual current devices without integral overcurrent protection for household and similar use (PRCD's) (HD 639 S1:2002/A1:2003)
- **umjesto**
- HRN EN 50085-1:2007  
Sustavi za nošenje i sustavi za vođenje kabela (instalacijski kanali) za električne instalacije – 1.dio: Opći zahtjevi (EN 50085-1:2005)  
Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (EN 50085-1:2005)
- **treba biti**
- HRN EN 50085-1:2007  
Sustavi za nošenje i vođenje kabela za električne instalacije – 1. dio: Opći zahtjevi (EN 50085-1:2005)  
Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements (EN 50085-1:2005)
- **umjesto**
- HRN EN 50085-2-1:2007  
Sustavi za nošenje i sustavi za vođenje kabela (instalacijski kanali) za električne instalacije – Dio 2-1: Sustavi za nošenje i vođenje kabela (instalacijski kanali) namijenjeni ugradbi na zidove i stropove (EN 50085-2-1:2006)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (EN 50085-2-1:2006)
- **treba biti**
- HRN EN 50085-2-1:2007  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-1: Sustavi za nošenje i vođenje kabela namijenjeni ugradbi na zidove i stropove (EN 50085-2-1:2006)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (EN 50085-2-1:2006)
- **umjesto**
- HRN EN 50085-2-1:2007/A1:2011  
Sustavi za nošenje i sustavi za vođenje kabela (instalacijski kanali) za električne instalacije – Dio 2-1: Sustavi za nošenje i vođenje kabela (instalacijski kanali) namijenjeni ugradbi na zidove i stropove (EN 50085-2-1:2006/A1:2011)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (EN 50085-2-1:2006/A1:2011)
- **treba biti**
- HRN EN 50085-2-1:2007/A1:2012  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-1: Sustavi za nošenje i vođenje kabela namijenjeni ugradbi na zidove i stropove (EN 50085-2-1:2006/A1:2011)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-1: Cable trunking systems and cable ducting systems intended for mounting on walls and ceilings (EN 50085-2-1:2006/A1:2011)
- **umjesto**
- HRN EN 50085-2-2:2010  
Sustavi za nošenje i sustavi za vođenje kabela (otvarajući i zatvoreni kanali) za električne instalacije – 2-2.dio: Posebni zahtjevi za sustave za nošenje i sustave za vođenje kabela (otvarajuće i zatvorene kanale) namijenjene za ugradbu ispod poda, u razini poda ili na pod (EN 50085-2-2:2008)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or on floor (EN 50085-2-2:2008)
- **treba biti**
- HRN EN 50085-2-2:2010  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-2: Posebni zahtjevi za sustave za nošenje i vođenje kabela namijenjene za ugradnju ispod poda, u razini poda ili na pod (EN 50085-2-2:2008)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-2: Particular requirements for cable trunking systems and cable ducting systems intended for mounting underfloor, flushfloor, or on floor (EN 50085-2-2:2008)
- **umjesto**
- HRN EN 50085-2-4:2010  
Sustavi za nošenje i sustavi za vođenje kabela (otvarajući i zatvoreni kanali) za električne instalacije – 2-4.dio: Posebni zahtjevi za stupiće s elektroinstalacijskim priborom (EN 50085-2-4:2009)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements for service poles and service posts (EN 50085-2-4:2009)
- **treba biti**
- HRN EN 50085-2-4:2010  
Sustavi za nošenje i vođenje kabela za električne instalacije – Dio 2-4: Posebni zahtjevi za stupiće s elektroinstalacijskim priborom (EN 50085-2-4:2009)  
Cable trunking systems and cable ducting systems for electrical installations – Part 2-4: Particular requirements for service poles and service posts (EN 50085-2-4:2009)
- **umjesto**
- HRN EN 50369:2007  
Sustavi navlaka (plašteva) nepropusnih za tekućine za vođenje kabela (EN 50369:2005)  
Liquid tight sheathing systems for cable management (EN 50369:2005)

- **treba biti**
- HRN EN 50369:2007  
Sustavi navlaka nepropusnih za tekućine za vođenje kabela (EN 50369:2005)  
Liquid tight sheathing systems for cable management (EN 50369:2005)
- **umjesto**
- HRN EN 50425:2008  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Pobočna norma – Vatrogasne sklopke za vanjsku i unutarnju signalizaciju i osvjetljenje (EN 50425:2008)  
Switches for household and similar fixed electrical installations – Collateral standard – Fireman's switches for exterior and interior signs and luminaires (EN 50425:2008)
- **treba biti**
- HRN EN 50425:2008  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Pobočna norma – Vatrogasne sklopke za vanjsku i unutarnju signalizaciju i osvjetljenje (EN 50425:2008)  
Switches for household and similar fixed electrical installations – Collateral standard – Fireman's switches for exterior and interior signs and luminaires (EN 50425:2008)
- **umjesto**
- HRN EN 50428:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Pobočna norma – Sklopke i srodni **pribori** za uporabu u elektroničkim sustavima **kuće i građevine** (HBES) (EN 50428:2005+A1:2007)  
Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) (EN 50428:2005+A1:2007)
- **treba biti**
- HRN EN 50428:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Pobočna norma – Sklopke i srodni **pribor** za uporabu u elektroničkim sustavima **kuća i zgrada** (HBES) (EN 50428:2005+A1:2007)  
Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) (EN 50428:2005+A1:2007)
- **umjesto**
- HRN EN 50428:2007/A2:2010  
Sklopke za kućanstvo i slične **trajno učvršćene** električne instalacije – Pobočna norma – Sklopke i srodni **pribori** za uporabu u elektroničkim sustavima **kuće i građevine** (HBES) (EN 50428:2005/A2:2009)  
Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) (EN 50428:2005/A2:2009)
- **treba biti**
- HRN EN 50428:2007/A2:2010  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Pobočna norma – Sklopke i srodni **pribor** za uporabu u elektroničkim sustavima **kuća i zgrada** (HBES) (EN 50428:2005/A2:2009)  
Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES) (EN 50428:2005/A2:2009)

- **umjesto**
- HRN EN 60320-2-2:2002  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-2: **Međuutični pribor (spojni) za** kućanstvo i sličnu opremu (IEC 60320-2-2:1998; EN 60320-2-2:1998)  
Appliance couplers for household and similar general purposes – Part 2-2: Interconnection couplers for **household** and similar equipment (IEC 60320-2-2:1998; EN 60320-2-2:1998)
- **treba biti**
- HRN EN 60320-2-2:2002  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-2: **Spojnice** za kućanstvo i sličnu opremu (IEC 60320-2-2:1998; EN 60320-2-2:1998)  
Appliance couplers for household and similar general purposes – Part 2-2: Interconnection couplers for **household** and similar equipment (IEC 60320-2-2:1998; EN 60320-2-2:1998)
- **umjesto**
- HRN EN 60320-2-4:2007/A1:2010  
Aparatni utični pribor za kućanstvo i slične opće svrhe – 2-4.dio: Utični **pribori ovisni** o težini aparata za uticanje (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)
- **treba biti**
- HRN EN 60320-2-4:2007/A1:2010  
Aparatni utični pribor za kućanstvo i slične opće svrhe – Dio 2-4: Utični **pribor ovisan** o težini aparata za uticanje (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)  
Appliance couplers for household and similar general purposes – Part 2-4: Couplers dependent on appliance weight for engagement (IEC 60320-2-4:2005/am1:2009; EN 60320-2-4:2006/A1:2009)
- **umjesto**
- HRN EN 60669-1:2002/A1:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – 1.dio: Opći zahtjevi (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)  
Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)
- **treba biti**
- HRN EN 60669-1:2002/A1:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)  
Switches for household and similar fixed electrical installations – Part 1: General requirements (IEC 60669-1:1998/am1:1999, MOD; EN 60669-1:1999/A1:2002)
- **umjesto**
- HRN EN 60669-1:2002/A2:2010  
Sklopke za kućanstvo i slične **trajno učvršćene** električne instalacije – 1.dio: Opći zahtjevi (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)  
Switches for household and similar fixed-electrical installations – Part 1: General requirements (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)

- **treba biti**
- HRN EN 60669-1:2002/A2:2010  
Sklopke za kućanstvo i slične **fiksne** učvršćene električne instalacije – 1. dio: Opći zahtjevi (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)  
Switches for household and similar fixed-electrical installations – Part 1: General requirements (IEC 60669-1:1998/am2:2006, MOD; EN 60669-1:1999/A2:2008)
- **umjesto**
- HRN EN 60669-2-1:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Dio 2-1: Posebni zahtjevi – Elektroničke sklopke (IEC 60669-2-1:2002, MOD; EN 60669-2-1:2004)  
Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002, MOD; EN 60669-2-1:2004)
- **treba biti**
- HRN EN 60669-2-1:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Dio 2-1: Posebni zahtjevi – Elektroničke sklopke (IEC 60669-2-1:2002, MOD; EN 60669-2-1:2004)  
Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002, MOD; EN 60669-2-1:2004)
- **umjesto**
- HRN EN 60669-2-1:2007/A1:2010  
Sklopke za kućanstvo i slične **trajno učvršćene** električne instalacije – 2-1.dio: Posebni zahtjevi – Elektroničke sklopke (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)  
Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)
- **treba biti**
- HRN EN 60669-2-1:2007/A1:2010  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Dio 2-1: Posebni zahtjevi – Elektroničke sklopke (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)  
Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002/am1:2008, MOD; EN 60669-2-1:2004/A1:2009)
- **umjesto**
- HRN EN 60669-2-2:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Dio 2-2: Posebni zahtjevi – **Elektromagnetski** daljinski upravljane sklopke (IEC 60669-2-2:2006; EN 60669-2-2:2006)  
Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control switches (RCS) (IEC 60669-2-2:2006; EN 60669-2-2:2006)
- **treba biti**
- HRN EN 60669-2-2:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Dio 2-2: Posebni zahtjevi – **Elektromagnetske** daljinski upravljane sklopke (IEC 60669-2-2:2006; EN 60669-2-2:2006)  
Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control switches (RCS) (IEC 60669-2-2:2006; EN 60669-2-2:2006)
- **umjesto**
- HRN EN 60669-2-3:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Dio 2-3: Posebni zahtjevi – Sklopke s vremenskim zatezanjem (TDS) (IEC 60669-2-3:2006; EN 60669-2-3:2006)  
Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time delay switches (TDS) (IEC 60669-2-3:2006; EN 60669-2-3:2006)
- **treba biti**
- HRN EN 60669-2-3:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Dio 2-3: Posebni zahtjevi – Sklopke s vremenskim zatezanjem (TDS) (IEC 60669-2-3:2006; EN 60669-2-3:2006)  
Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time delay switches (TDS) (IEC 60669-2-3:2006; EN 60669-2-3:2006)
- **umjesto**
- HRN EN 60669-2-4:2007  
Sklopke za kućanstvo i slične **stalne** električne instalacije – Dio 2-4: Posebni zahtjevi – Sklopke za odvajanje (IEC 60669-2-4:2004, MOD; EN 60669-2-4:2005)  
Switches for household and similar fixed electrical installations – Part 2-4: Particular requirements – Isolating switches (IEC 60669-2-4:2004, MOD; EN 60669-2-4:2005)
- **treba biti**
- HRN EN 60669-2-4:2007  
Sklopke za kućanstvo i slične **fiksne** električne instalacije – Dio 2-4: Posebni zahtjevi – Sklopke za odvajanje (IEC 60669-2-4:2004, MOD; EN 60669-2-4:2005)  
Switches for household and similar fixed electrical installations – Part 2-4: Particular requirements – Isolating switches (IEC 60669-2-4:2004, MOD; EN 60669-2-4:2005)
- **umjesto**
- HRN EN 60670-1:2007  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)
- **treba biti**
- HRN EN 60670-1:2007  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002+Corr.:2003, MOD; EN 60670-1:2005)
- **umjesto**
- HRN EN 60670-1:2007/A1:2013  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)

- Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)
- **treba biti**
- HRN EN 60670-1:2007/A1:2013  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (IEC 60670-1:2002/am1:2011, MOD; EN 60670-1:2005/A1:2013)
- **umjesto**
- HRN EN 60670-1:2007/Ispr.1:2012  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2007)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2007)
- **treba biti**
- HRN EN 60670-1:2007/Ispr.1:2012  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2007)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2007)
- **umjesto**
- HRN EN 60670-1:2007/Ispr.2:2012  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2010)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2010)
- **treba biti**
- HRN EN 60670-1:2007/Ispr.2:2012  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (EN 60670-1:2005/AC:2010)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 1: General requirements (EN 60670-1:2005/AC:2010)
- **umjesto**
- HRN EN 60670-21:2007  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 21.dio: Posebni zahtjevi za kutije i kućišta s **ovjesnim sredstvima** (IEC 60670-21:2004, MOD; EN 60670-21:2007)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 21: Particular requirements for boxes and enclosures with provision for suspension means (IEC 60670-21:2004, MOD; EN 60670-21:2007)
- **treba biti**
- HRN EN 60670-21:2007  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 21. dio: Posebni zahtjevi za kutije i kućišta s **izvedbom za ovjesna sredstva** (IEC 60670-21:2004, MOD; EN 60670-21:2007)
- Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 21: Particular requirements for boxes and enclosures with provision for suspension means (IEC 60670-21:2004, MOD; EN 60670-21:2007)
- **umjesto**
- HRN EN 60670-22:2007  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **stalne** električne instalacije – 22.dio: Posebni zahtjevi za **priključne (razvodne)** kutije i kućišta (IEC 60670-22:2003, MOD; EN 60670-22:2006)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003, MOD; EN 60670-22:2006)
- **treba biti**
- HRN EN 60670-22:2007  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 22. dio: Posebni zahtjevi za **razvodne** kutije i kućišta (IEC 60670-22:2003, MOD; EN 60670-22:2006)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 22: Particular requirements for connecting boxes and enclosures (IEC 60670-22:2003, MOD; EN 60670-22:2006)
- **umjesto**
- HRN EN 60670-23:2010  
Kutije i kućišta za **električne pribore** za kućanstvo i slične **trajno učvršćene** električne instalacije – 23.dio: Posebni zahtjevi za podne kutije i kućišta (IEC 60670-23:2006, MOD; EN 60670-23:2008)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures (IEC 60670-23:2006, MOD; EN 60670-23:2008)
- **treba biti**
- HRN EN 60670-23:2010  
Kutije i kućišta za **električni pribor** za kućanstvo i slične **fiksne** električne instalacije – 23. dio: Posebni zahtjevi za podne kutije i kućišta (IEC 60670-23:2006, MOD; EN 60670-23:2008)  
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations – Part 23: Particular requirements for floor boxes and enclosures (IEC 60670-23:2006, MOD; EN 60670-23:2008)
- **umjesto**
- HRN EN 60898-1:2007  
**Električni pribori** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1.dio: Instalacijski prekidači za rad s **a.c.** (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)  
Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)
- **treba biti**
- HRN EN 60898-1:2007  
**Električni pribor** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s **izmjeničnom strujom** (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)



- Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (IEC 60898-1:2002, MOD+am1:2002, MOD; EN 60898-1:2003+AC:2004+A1:2004)
- **umjesto**
- HRN EN 60898-1:2007/A11:2007  
**Električni pribori** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad **s a.c.** (EN 60898-1:2003/A11:2005)  
 Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A11:2005)
- **treba biti**
- HRN EN 60898-1:2007/A11:2007  
**Električni pribor** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s **izmjeničnom strujom** (EN 60898-1:2003/A11:2005)  
 Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A11:2005)
- **umjesto**
- HRN EN 60898-1:2007/A12:2008  
**Električni pribori** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične svrhe – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/A12:2008)  
 Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A12:2008)
- **treba biti**
- HRN EN 60898-1:2007/A12:2008  
**Električni pribor** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 1. dio: Instalacijski prekidači za rad s izmjeničnom strujom (EN 60898-1:2003/A12:2008)  
 Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation (EN 60898-1:2003/A12:2008)
- **umjesto**
- HRN EN 60898-2:2007  
**Električni pribori** – Instalacijski prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 2. dio: Instalacijski prekidači za rad **s a.c. i d.c.** (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)  
 Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 2: Circuit-breakers for a.c. and d.c. operation (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)
- **treba biti**
- HRN EN 60898-2:2007  
**Električni pribor** – Prekidači za nadstrujnu zaštitu za kućanstvo i slične instalacije – 2. dio: Prekidači za rad s **izmjeničnom i istosmjernom strujom** (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)  
 Electrical accessories – Circuit-breakers for overcurrent protection for household and similar installations – Part 2: Circuit-breakers for a.c. and d.c. operation (IEC 60898-2:2000+am1:2003, MOD; EN 60898-2:2006)
- **umjesto**
- HRN EN 60934/A1:2007  
**Instalacijski prekidači** za opremu (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)  
 Circuit-breakers for equipment (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)
- **treba biti**
- HRN EN 60934:2002/A1:2007  
**Prekidači** za opremu (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)  
 Circuit-breakers for equipment (CBE) (IEC 60934:2000/am1:2007; EN 60934:2001/A1:2007)
- **umjesto**
- HRN EN 60998-1:2007  
 Spojne (**priključne**) naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 60998-1:2002, MOD; EN 60998-1:2004)  
 Connecting devices for low-voltage circuits for household and similar purposes – Part 1: General requirements (IEC 60998-1:2002, MOD; EN 60998-1:2004)
- **treba biti**
- HRN EN 60998-1:2007  
 Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 60998-1:2002, MOD; EN 60998-1:2004)  
 Connecting devices for low-voltage circuits for household and similar purposes – Part 1: General requirements (IEC 60998-1:2002, MOD; EN 60998-1:2004)
- **umjesto**
- HRN EN 60998-2-1:2007  
 Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-1: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama (**mjestima**) **tipa-s vijkom** (IEC 60998-2-1:2002, MOD; EN 60998-2-1:2004)  
 Connecting devices for low-voltage circuits for household and similar purposes – Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units (IEC 60998-2-1:2002, MOD; EN 60998-2-1:2004)
- **treba biti**
- HRN EN 60998-2-1:2007  
 Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-1: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama **s vijkom** (IEC 60998-2-1:2002, MOD; EN 60998-2-1:2004)  
 Connecting devices for low-voltage circuits for household and similar purposes – Part 2-1: Particular requirements for connecting devices as separate entities with screw-type clamping units (IEC 60998-2-1:2002, MOD; EN 60998-2-1:2004)
- **umjesto**
- HRN EN 60998-2-2:2007  
 Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-2: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama (**mjestima**) **tipa** – bez vijka (IEC 60998-2-2:2002, MOD; EN 60998-2-2:2004)  
 Connecting devices for low-voltage circuits for household and similar purposes – Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units (IEC 60998-2-2:2002, MOD; EN 60998-2-2:2004)

- **treba biti**
- HRN EN 60998-2-2:2007  
Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-2: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama bez vijka (IEC 60998-2-2:2002, MOD; EN 60998-2-2:2004)  
Connecting devices for low-voltage circuits for household and similar purposes – Part 2-2: Particular requirements for connecting devices as separate entities with screwless-type clamping units (IEC 60998-2-2:2002, MOD; EN 60998-2-2:2004)
- **umjesto**
- HRN EN 60998-2-3:2007  
Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-3: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama (**mjestima**) tipa – **probijanje izolacije** (IEC 60998-2-3:2002, MOD; EN 60998-2-3:2004)  
Connecting devices for low-voltage circuits for household and similar purposes – Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units (IEC 60998-2-3:2002, MOD; EN 60998-2-3:2004)
- **treba biti**
- HRN EN 60998-2-3:2007  
Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-3: Posebni zahtjevi za spojne naprave kao zasebne cjeline sa steznim jedinicama **koje probijaju izolaciju** (IEC 60998-2-3:2002, MOD; EN 60998-2-3:2004)  
Connecting devices for low-voltage circuits for household and similar purposes – Part 2-3: Particular requirements for connecting devices as separate entities with insulation-piercing clamping units (IEC 60998-2-3:2002, MOD; EN 60998-2-3:2004)
- **umjesto**
- HRN EN 60998-2-4:2007  
Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-4: Posebni zahtjevi za spojne naprave sa sukanjem (**pletanjem**) (IEC 60998-2-4:2004, MOD; EN 60998-2-4:2005)  
Connecting devices for low voltage circuits for household and similar purposes – Part 2-4: Particular requirements for twist-on connecting devices (IEC 60998-2-4:2004, MOD; EN 60998-2-4:2005)
- **treba biti**
- HRN EN 60998-2-4:2007  
Spojne naprave za niskonaponske strujne krugove za kućanstvo i slične svrhe – Dio 2-4: Posebni zahtjevi za spojne naprave sa sukanjem (IEC 60998-2-4:2004, MOD; EN 60998-2-4:2005)  
Connecting devices for low voltage circuits for household and similar purposes – Part 2-4: Particular requirements for twist-on connecting devices (IEC 60998-2-4:2004, MOD; EN 60998-2-4:2005)
- **umjesto**
- HRN EN 60999-1:2002  
Priključne naprave – Električni bakreni vodiči – Sigurnosni zahtjevi za stezne jedinice tipa – s vijkom i tipa – bez vijka – 1. dio: Opći zahtjevi i posebni zahtjevi za stezne jedinice (**mjestu**) za vodiče od 0,5 mm<sup>2</sup> do 35 mm<sup>2</sup> (uključivo) (IEC 60999-1:1999; EN 60999-1:2000)  
Connecting devices – Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors – Part 1: General requirements and particular requirements for conductors from 0,5 mm<sup>2</sup> up to 35 mm<sup>2</sup> (included) (IEC 60999-1:1999; EN 60999-1:2000)

- **treba biti**
- HRN EN 60999-1:2002  
Priključne naprave – Električni bakreni vodiči – Sigurnosni zahtjevi za stezne jedinice tipa – s vijkom i tipa – bez vijka – 1. dio: Opći zahtjevi i posebni zahtjevi za stezne jedinice za vodiče od 0,5 mm<sup>2</sup> do 35 mm<sup>2</sup> (uključivo) (IEC 60999-1:1999; EN 60999-1:2000)  
Connecting devices – Safety requirements for screw-type and screwless-type clamping units for electrical copper conductors – Part 1: General requirements and particular requirements for conductors from 0,5 mm<sup>2</sup> up to 35 mm<sup>2</sup> (included) (IEC 60999-1:1999; EN 60999-1:2000)
- **umjesto**
- HRN EN 61008-1:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **uporabe** (RCCB-i) – 1. dio: Opća pravila (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)
- **treba biti**
- HRN EN 61008-1:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **primjene** (RCCB-i) – 1. dio: Opća pravila (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)
- **umjesto**
- HRN EN 61008-1:2007/A11:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **uporabe** (RCCB-i) – 1. dio: Opća pravila (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (IEC 61008-1:1996+A1:2002, MOD; EN 61008-1:2004)
- **treba biti**
- HRN EN 61008-1:2007/A11:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **primjene** (RCCB-i) – 1. dio: Opća pravila (EN 61008-1:2004/A11:2007)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (EN 61008-1:2004/A11:2007)
- **umjesto**
- HRN EN 61008-1:2007/A12:2010  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **uporabe** (RCCB's) – 1. dio: Opća pravila (EN 61008-1:2004/A12:2009)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (EN 61008-1:2004/A12:2009)
- **treba biti**
- HRN EN 61008-1:2007/A12:2010  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **primjene** (RCCB-i) – 1. dio: Opća pravila (EN 61008-1:2004/A12:2009)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 1: General rules (EN 61008-1:2004/A12:2009)

- **umjesto**

HRN EN 61008-2-1:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **svrhe** (RCCB-i) – Dio 2-1: Primjenjivost općih pravila na RCCB-e **radno neovisne** o naponu opskrbe (IEC 61008-2-1:1990; EN 61008-2-1:1994)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally independent of line voltage (IEC 61008-2-1:1990; EN 61008-2-1:1994)

- **treba biti**

HRN EN 61008-2-1:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **primjene** (RCCB-i) – Dio 2-1: Primjenjivost općih pravila na RCCB-e **koji su radno neovisni** o naponu opskrbe (IEC 61008-2-1:1990; EN 61008-2-1:1994)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally independent of line voltage (IEC 61008-2-1:1990; EN 61008-2-1:1994)

- **umjesto**

HRN EN 61008-2-1/A11:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **svrhe** (RCCB-i) – Dio 2-1: Primjenjivost općih pravila na RCCB-e **radno neovisne** o naponu opskrbe (EN 61008-2-1:1994/A11:1998+AC:1999)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally, independent of line voltage (EN 61008-2-1:1994/A11:1998+AC:1999)

- **treba biti**

HRN EN 61008-2-1:2007/A11:2007  
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične **primjene** (RCCB-i) – Dio 2-1: Primjenjivost općih pravila na RCCB-e **koji su radno neovisni** o naponu opskrbe (EN 61008-2-1:1994/A11:1998+AC:1999)  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally, independent of line voltage (EN 61008-2-1:1994/A11:1998+AC:1999)

- **umjesto**

HRN EN 61009-1:2007  
Strujne zaštitne sklopke **s** združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO-i) – 1. dio: Opća pravila (IEC 61009-1:1996+Corr.:2003+am1:2002, MOD; EN 61009-1:2004+AC:2006)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (IEC 61009-1:1996+Corr.:2003+am1:2002, MOD; EN 61009-1:2004+AC:2006)

- **treba biti**

HRN EN 61009-1:2007  
Strujne zaštitne sklopke **sa** združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – 1. dio: Opća pravila (IEC 61009-1:1996+Corr.:2003+am1:2002, MOD; EN 61009-1:2004+AC:2006)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (IEC 61009-1:1996+Corr.:2003+am1:2002, MOD; EN 61009-1:2004+AC:2006)

- **umjesto**

HRN EN 61009-1:2007/A11:2011  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **upotrebe** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A11:2008)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A11:2008)

- **treba biti**

HRN EN 61009-1:2007/A11:2011  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A11:2008)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A11:2008)

- **umjesto**

HRN EN 61009-1:2007/A12:2010  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO's) – 1. dio: Opća pravila (EN 61009-1:2004/A12:2009)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A12:2009)

- **treba biti**

HRN EN 61009-1:2007/A12:2010  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A12:2009)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A12:2009)

- **umjesto**

HRN EN 61009-1:2007/A13:2010  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO's) – 1. dio: Opća pravila (EN 61009-1:2004/A13:2009)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A13:2009)

- **treba biti**

HRN EN 61009-1:2007/A13:2010  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A13:2009)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A13:2009)

- **umjesto**

HRN EN 61009-1:2007/A14:2012  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A14:2012)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A14:2012)

- **treba biti**
- HRN EN 61009-1:2007/A14:2012  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – 1. dio: Opća pravila (EN 61009-1:2004/A14:2012)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 1: General rules (EN 61009-1:2004/A14:2012)
- **umjesto**
- HRN EN 61009-2-1:2007  
Strujne zaštitne sklopke s združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO-i) – Dio 2-1: Primjenjivost općih pravila na RCBO-e **radno neovisne** o naponu opskrbe (IEC 61009-2-1:1991; EN 61009-2-1:1994)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage (IEC 61009-2-1:1991; EN 61009-2-1:1994)
- **treba biti**
- HRN EN 61009-2-1:2007  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – Dio 2-1: Primjenjivost općih pravila na RCBO-e **koji su radno neovisni** o naponu opskrbe (IEC 61009-2-1:1991; EN 61009-2-1:1994)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage (IEC 61009-2-1:1991; EN 61009-2-1:1994)
- **umjesto**
- HRN EN 61009-2-1/A11:2007  
Strujne zaštitne sklopke s združenom nadstrujnom zaštitom za kućanstvo i slične **uporabe** (RCBO-i) – Dio 2-1: Primjenjivost općih pravila na RCBO-e **radno neovisne** o naponu opskrbe (EN 61009-2-1:1994/A11:1998+AC:1999)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage (EN 61009-2-1:1994/A11:1998+AC:1999)
- **treba biti**
- HRN EN 61009-2-1:2007/A11:2007  
Strujne zaštitne sklopke sa združenom nadstrujnom zaštitom za kućanstvo i slične **primjene** (RCBO-i) – Dio 2-1: Primjenjivost općih pravila na RCBO-e **koji su radno neovisni** o naponu opskrbe (EN 61009-2-1:1994/A11:1998+AC:1999)  
Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage (EN 61009-2-1:1994/A11:1998+AC:1999)
- **umjesto**
- HRN EN 61242:2002  
Električni pribor – Namatalice **vodova (kabela)** za kućanstvo i slične svrhe (IEC 61242:1995, preinačena; EN 61242:1997)  
Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995, modified; EN 61242:1997)
- **treba biti**
- HRN EN 61242:2002  
Električni pribor – Namatalice **kabela** za kućanstvo i slične svrhe (IEC 61242:1995, preinačena; EN 61242:1997)  
Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995, modified; EN 61242:1997)
- **umjesto**
- HRN EN 61242:2002/A1:2008  
Električni **pribri** – Namatalice kabela za kućanstvo i slične svrhe (IEC 61242:1995/am1:2008; EN 61242:1997/A1:2008)  
Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995/am1:2008; EN 61242:1997/A1:2008)
- **treba biti**
- HRN EN 61242:2002/A1:2008  
Električni **pribri** – Namatalice kabela za kućanstvo i slične svrhe (IEC 61242:1995/am1:2008; EN 61242:1997/A1:2008)  
Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995/am1:2008; EN 61242:1997/A1:2008)
- **umjesto**
- HRN EN 61534-22:2010  
Energetski tračnički sustavi – 22.dio: Posebni zahtjevi za energetske tračničke sustave namijenjene za **instalacije na podu** ili ispod poda (IEC 61534-22:2009; EN 61534-22:2009)  
Powertrack systems – Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation (IEC 61534-22:2009; EN 61534-22:2009)
- **treba biti**
- HRN EN 61534-22:2010  
Energetski tračnički sustavi – 22. dio: Posebni zahtjevi za energetske tračničke sustave namijenjene **ugradnji na pod** ili ispod poda (IEC 61534-22:2009; EN 61534-22:2009)  
Powertrack systems – Part 22: Particular requirements for powertrack systems intended for on floor or under floor installation (IEC 61534-22:2009; EN 61534-22:2009)
- **umjesto**
- HRN EN 61535:2010  
**Instalacijski utični pribor** za trajni priključak u **trajno učvršćenim** instalacijama (IEC 61535:2009; EN 61535:2009)  
Installations couplers intended for permanent connection in fixed installations (IEC 61535:2009; EN 61535:2009)
- **treba biti**
- HRN EN 61535:2010  
**Instalacijske spojnice** za trajni priključak u **fiksni** instalacijama (IEC 61535:2009; EN 61535:2009)  
Installations couplers intended for permanent connection in fixed installations (IEC 61535:2009; EN 61535:2009)
- **umjesto**
- HRN EN 61543:1997  
**Zaštitni uređaji koji rade pod djelovanjem preostale struje (RCD)** za kućanstvo i sličnu primjenu – Elektromagnetska kompatibilnost (IEC 61543:1995; EN 61543:1995)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995; EN 61543:1995)



- **treba biti**
- HRN EN 61543:1997  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu primjenu – Elektromagnetska kompatibilnost (IEC 61543:1995; EN 61543:1995)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995; EN 61543:1995)
- **umjesto**
- HRN EN 61543:1997/A11:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu uporabu – Elektromagnetska **snošljivost** (EN 61543:1995/A11:2003+AC:2004)  
Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility (EN 61543:1995/A11:2003+AC:2004)
- **treba biti**
- HRN EN 61543:1997/A11:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu primjenu – Elektromagnetska **kompatibilnost** (EN 61543:1995/A11:2003+AC:2004)  
Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility (EN 61543:1995/A11:2003+AC:2004)
- **umjesto**
- HRN EN 61543:1997/A12:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu uporabu – Elektromagnetska **snošljivost** (EN 61543:1995/A12:2005)  
Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility (EN 61543:1995/A12:2005)
- **treba biti**
- HRN EN 61543:1997/A12:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu primjenu – Elektromagnetska **kompatibilnost** (EN 61543:1995/A12:2005)  
Residual current-operated protective devices (RCD's) for household and similar use – Electromagnetic compatibility (EN 61543:1995/A12:2005)
- **umjesto**
- HRN EN 61543:1997/A2:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu uporabu – Elektromagnetska **snošljivost** (IEC 61543:1995/am2:2005; EN 61543:1995/A2:2006)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995/am2:2005; EN 61543:1995/A2:2006)
- **treba biti**
- HRN EN 61543:1997/A2:2007  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu primjenu – Elektromagnetska **kompatibilnost** (IEC 61543:1995/am2:2005; EN 61543:1995/A2:2006)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995/am2:2005; EN 61543:1995/A2:2006)
- **umjesto**
- HRN EN 61543:1997/Ispr.1:2013  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu uporabu – Elektromagnetska **snošljivost** (EN 61543:1995/AC:1997)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (EN 61543:1995/AC:1997)

- **treba biti**
- HRN EN 61543:1997/Ispr.1:2013  
Strujne zaštitne sklopke (RCD-i) za kućanstvo i sličnu primjenu – Elektromagnetska **kompatibilnost** (EN 61543:1995/AC:1997)  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (EN 61543:1995/AC:1997)
- **umjesto**
- HRN EN 61995-1:2010  
Naprave za priključak **svjetiljaka** za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 61995-1:2005, MOD; EN 61995-1:2008)  
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements (IEC 61995-1:2005, MOD; EN 61995-1:2008)
- **treba biti**
- HRN EN 61995-1:2010  
Naprave za priključak **svjetiljki** za kućanstvo i slične svrhe – 1. dio: Opći zahtjevi (IEC 61995-1:2005, MOD; EN 61995-1:2008)  
Devices for the connection of luminaires for household and similar purposes – Part 1: General requirements (IEC 61995-1:2005, MOD; EN 61995-1:2008)
- **umjesto**
- HRN EN 61995-2:2010  
Naprave za priključak **svjetiljaka** za kućanstvo i slične svrhe – 2. dio: **Normirani** listovi za DCL (IEC 61995-2:2009; EN 61995-2:2009)  
Devices for the connection of luminaires (DCL) for household and similar purposes – Part 2: Standard sheets for DCL (IEC 61995-2:2009; EN 61995-2:2009)
- **treba biti**
- HRN EN 61995-2:2010  
Naprave za priključak **svjetiljki (DCL)** za kućanstvo i slične svrhe – 2. dio: **Normirani** listovi za DCL (IEC 61995-2:2009; EN 61995-2:2009)  
Devices for the connection of luminaires (DCL) for household and similar purposes – Part 2: Standard sheets for DCL (IEC 61995-2:2009; EN 61995-2:2009)
- **umjesto**
- HRN EN 62020:2002  
Električni pribor – Monitori (**kontrolnici izolacije**) na **diferencijalnu struju** za kućanstvo i slične **upotrebe** (RCM-i) (IEC 62020:1998; EN 62020:1998)  
Electrical accessories – Residual current monitors for household and similar uses (RCMs) (IEC 62020:1998; EN 62020:1998)
- **treba biti**
- HRN EN 62020:2002  
Električni pribor – Monitori **diferencijalne struje** za kućanstvo i slične **primjene** (RCM-i) (IEC 62020:1998; EN 62020:1998)  
Electrical accessories – Residual current monitors for household and similar uses (RCMs) (IEC 62020:1998; EN 62020:1998)
- **umjesto**
- HRN EN 62020:2002/A1:2007  
Električni **pribori** – Monitori **na preostalu (diferencijalnu) struju** za kućanstvo i slične **uporabe** (RCM-i) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)  
Electrical accessories – Residual current monitors for household and similar use (RCM's) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)

- **treba biti**
- HRN EN 62020:2002/A1:2007  
Električni **pristor** – Monitori **diferencijalne struje** za kućanstvo i slične **primjene** (RCM-i) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)  
Electrical accessories – Residual current monitors for household and similar use (RCM's) (IEC 62020:1998/am1:2003, MOD; EN 62020:1998/A1:2005)
- **umjesto**
- HRN EN 62094-1:2007  
Pokazne svjetlosne jedinice za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (IEC 62094-1:2002; EN 62094-1:2003)  
Indicator light units for household and similar fixed-electrical installations – Part 1: General requirements (IEC 62094-1:2002; EN 62094-1:2003)
- **treba biti**
- HRN EN 62094-1:2007  
Pokazne svjetlosne jedinice za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (IEC 62094-1:2002; EN 62094-1:2003)  
Indicator light units for household and similar fixed-electrical installations – Part 1: General requirements (IEC 62094-1:2002; EN 62094-1:2003)
- **umjesto**
- HRN EN 62094-1:2007/A11:2007  
Pokazne svjetlosne jedinice za kućanstvo i slične **stalne** električne instalacije – 1. dio: Opći zahtjevi (EN 62094-1:2003/A11:2003)  
Indicator light units for household and similar fixed-electrical installations – Part 1: General requirements (EN 62094-1:2003/A11:2003)
- **treba biti**
- HRN EN 62094-1:2007/A11:2007  
Pokazne svjetlosne jedinice za kućanstvo i slične **fiksne** električne instalacije – 1. dio: Opći zahtjevi (EN 62094-1:2003/A11:2003)  
Indicator light units for household and similar fixed-electrical installations – Part 1: General requirements (EN 62094-1:2003/A11:2003)
- **umjesto**
- HRN EN 62196-1:2007  
Utikači, utičnice, kabelski utični pribor za vozila i utikači za vozila – **Vodljivo** punjenje električnih vozila – 1. dio: Punjenje električnih vozila do 250 A a.c. i 400 A d.c. (IEC 62196-1:2003; EN 62196-1:2003)  
Plugs, socket-outlets, vehicle couplers and vehicle inlets – Conductive charging of electric vehicles – Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c. (IEC 62196-1:2003; EN 62196-1:2003)
- **treba biti**
- HRN EN 62196-1:2007  
Utikači, utičnice, kabelski utični pribor za vozila i utikači za vozila – **Kontaktno** punjenje električnih vozila – 1. dio: Punjenje električnih vozila do 250 A **izmjenično** i 400 A **istosmjerno** (IEC 62196-1:2003; EN 62196-1:2003)  
Plugs, socket-outlets, vehicle couplers and vehicle inlets – Conductive charging of electric vehicles – Part 1: Charging of electric vehicles up to 250 A a.c. and 400 A d.c. (IEC 62196-1:2003; EN 62196-1:2003)

## HZN/TO T4, Normizacija u telekomunikacijama

- **umjesto**
- HRN EN 303 084 V1.1.1:2013  
Sustav pojačanja (GBAS) VHF radiodifuzije podataka zemlja-zrak (VDB) baziran na tlu – Tehničke karakteristike i metode mjerenja za opremu baziranu na tlu – Harmonizirana EN norma obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE (EN 303 084 V1.1.1:2013)  
Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB) – Technical characteristics and methods of measurement for ground-based equipment – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive (EN 303 084 V1.1.1:2013)
- **treba biti**
- HRN EN 303 084 V1.1.1:2013  
Sustav pojačanja (GBAS) VHF radiodifuzije podataka zemlja-zrak (VDB) baziran na tlu – Tehničke karakteristike i metode mjerenja za opremu baziranu na tlu – Harmonizirana **europska** norma **koja** obuhvaća bitne zahtjeve iz članka 3.2 direktive R&TTE (EN 303 084 V1.1.1:2013)  
Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB) – Technical characteristics and methods of measurement for ground-based equipment – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive (EN 303 084 V1.1.1:2013)

## HZN/TU N1, Nemetalni materijali 1

- **umjesto**
- HRN EN 15358:2011  
Solid recovered fuels – Quality management systems – Particular requirements to the production of solid recovered fuels (EN 15358:2011)
- **treba biti**
- HRN EN 15358:2011  
**Kruta oporabljena goriva – Sustavi upravljanja kvalitetom – Posebni zahtjevi za primjenu u proizvodnji čvrstih oporabljenih goriva (EN 15358:2011)**  
Solid recovered fuels – Quality management systems – Particular requirements **for their application** to the production of solid recovered fuels (EN 15358:2011)

## 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 5, Metalne cijevi i priključci

- HRS CEN/TS 1591-3:2009  
Prirubnice i njihovi spojevi – Pravila za projektiranje prirubničkih spojeva s kružnim prirubnicama i brtvljenjem – 3. dio: Računska metoda za metal na metal kontakti tip prirubničkog spoja (CEN/TS 1591-3:2007)  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 3: Calculation method for metal to metal contact type flanged joint (CEN/TS 1591-3:2007)
- HRN EN 14525:2008  
Duktilne željezne širokotolerantne spojnice i prirubnički priključci za upotrebu kod cijevi iz različitih materijala: duktilno željezo, sivi lijev, čelik, PVC-U PE, cement ojačan vlaknima (EN 14525:2004)

- Ductile iron wide tolerance couplings and flange adaptors for use with pipes of different materials: ductile iron, grey iron, steel, PVC-U PE, fibre-cement (EN 14525:2004)
- HRN EN 14628:2008  
Duktilne željezne cijevi, spojni dijelovi i pribor – Vanjska polipropilenska obloga za cijevi – Zahtjevi i metode ispitivanja (EN 14628:2005)  
Ductile iron pipes, fittings and accessories – External polyethylene coating for pipes – Requirements and test methods (EN 14628:2005)
- HRN EN 14772:2008  
Prirubnice i njihovi spojevi – Inspekcija osiguranja kvalitete i ispitivanje brtvi sukladno nizu norma EN 1514 i EN 12560 (EN 14772:2005)  
Flanges and their joints – Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560 (EN 14772:2005)
- HRN EN 14901:2008  
Duktilne željezne cijevi, spojni dijelovi i pribor – Epoksidalna obloga (teški uvjeti) za duktilne željezne spojne dijelove i pribor – Zahtjevi i metode ispitivanja (EN 14901:2006)  
Ductile iron pipes, fittings and accessories – Epoxy coating (heavy duty) of ductile iron fittings and accessories – Requirements and test methods (EN 14901:2006)
- HRN EN 15266:2008  
Nehrđajući čelični savitljivi valoviti cijevni setovi u zgradama za plin radnog tlaka do 0,5 bara (EN 15266:2007)  
Stainless steel pliable corrugated tubing kits in buildings for gas with an operating pressure up to 0,5 bar (EN 15266:2007)
- HRN EN 15542:2008  
Duktilne željezne cijevi, spojni dijelovi i pribor – Vanjska cementna obloga za cijevi – Zahtjevi i metode ispitivanja (EN 15542:2008)  
Ductile iron pipes, fittings and accessories – External cement mortar coating for pipes – Requirements and test methods (EN 15542:2008)
- HRI CEN/TR 15545:2009  
Uputa za upotrebu norme EN 545 (CEN/TR 15545:2006)  
Guide to the use of EN 545 (CEN/TR 15545:2006)
- HRN EN 15655:2009  
Duktilne željezne cijevi, spojni dijelovi i pribor – Unutrašnja poliuretanska obloga za cijevi i spojne dijelove – Zahtjevi i metode ispitivanja (EN 15655:2009)  
Ductile iron pipes, fittings and accessories – Internal polyurethane lining for pipes and fittings – Requirements and test methods (EN 15655:2009)

### **HZNTO 563, Sigurnost strojeva**

- HRN EN ISO 21469:2008  
Sigurnost strojeva – Maziva koja slučajno mogu doći u dodir s proizvodom – Higijenski zahtjevi (ISO 21469:2006; EN ISO 21469:2006)  
Safety of machinery – Lubricants with incidental product contact – Hygiene requirements (ISO 21469:2006; EN ISO 21469:2006)

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

- HRN EN ISO 10058-1:2009  
Kemijska analiza magnezitnih i dolomitnih vatrostalnih proizvoda (alternativa metodi fluorescenciji X zraka) – 1. dio: Aparatura, reagensi, otapalo i određivanje gravimetrijske silike (ISO 10058-1:2008; EN ISO 10058-1:2008)

Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method) – Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica (ISO 10058-1:2008; EN ISO 10058-1:2008)

- HRN EN ISO 10058-2:2009  
Kemijska analiza magnezitnih i dolomitnih vatrostalnih proizvoda (alternativa metodi fluorescenciji X zraka) – 2. dio: Mokra kemijska analiza (ISO 10058-2:2008; EN ISO 10058-2:2008)  
Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method) – Part 2: Wet chemical analysis (ISO 10058-2:2008; EN ISO 10058-2:2008)
- HRN EN ISO 10058-3:2009  
Kemijska analiza magnezitnih i dolomitnih vatrostalnih proizvoda (alternativa metodi fluorescenciji X zraka) – 3. dio: Atomska apsorpcijska spektrometrija plamenom (FAAS) i atomska spektrometrijska apsorpcija induktivno spregnutom plazmom (ICP-AES) (ISO 10058-3:2008; EN ISO 10058-3:2008)  
Chemical analysis of magnesite and dolomite refractory products (alternative to the X-ray fluorescence method) – Part 3: Flame atomic absorption spectrophotometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES) (ISO 10058-3:2008; EN ISO 10058-3:2008)
- HRN EN ISO 20565-1:2009  
Kemijska analiza vatrostalnih proizvoda koji sadrže krom i sirovina koje sadrže krom (alternativa fluorescencijskoj metodi X-zrakama) – 1. dio: Aparatura, reagensi, otapalo i određivanje gravimetrijske silike (ISO 20565-1:2008; EN ISO 20565-1:2008)  
Chemical analysis of chrome-bearing refractory products and chrome-bearing raw materials (alternative to the X-ray fluorescence method) – Part 1: Apparatus, reagents, dissolution and determination of gravimetric silica (ISO 20565-1:2008; EN ISO 20565-1:2008)
- HRN EN ISO 20565-2:2009  
Kemijska analiza vatrostalnih proizvoda koji sadrže krom i sirovina koje sadrže krom (alternativa fluorescencijskoj metodi X-zrakama) – 2. dio: Mokra kemijska analiza (ISO 20565-2:2008; EN ISO 20565-2:2008)  
Chemical analysis of chrome-bearing refractory products and chrome-bearing raw materials (alternative to the X-ray fluorescence method) – Part 2: Wet chemical analysis (ISO 20565-2:2008; EN ISO 20565-2:2008)
- HRN EN ISO 20565-3:2009  
Kemijska analiza vatrostalnih proizvoda koji sadrže krom i sirovina koje sadrže krom (alternativa fluorescencijskoj metodi X-zrakama) – 3. dio: Atomska apsorpcijska spektrometrija plamenom (FAAS) i atomska emisijska spektrometrija spregnutom plazmom (ICP-AES) (ISO 20565-3:2008; EN ISO 20565-3:2008)  
Chemical analysis of chrome-bearing refractory products and chrome-bearing raw materials (alternative to the X-ray fluorescence method) – Part 3: Flame atomic absorption spectrometry (FAAS) and inductively coupled plasma atomic emission spectrometry (ICP-AES) (ISO 20565-3:2008; EN ISO 20565-3:2008)
- HRN EN 15410:2011  
Kruta oporabljena goriva – Metode za određivanje sadržaja glavnih elemenata (Al, Ca, Fe, K, Mg, Na, P, Si, Ti) (EN 15410:2011)  
Solid recovered fuels – Methods for the determination of the content of major elements (Al, Ca, Fe, K, Mg, Na, P, Si, Ti) (EN 15410:2011)

- HRN EN 15411:2011  
Kruta oporabljena goriva – Metode za određivanje sadržaja elemenata u tragovima (As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Mn, Ni, Pb, Sb, Se, Ti, V and Zn) (EN 15411:2011)  
Solid recovered fuels – Methods for the determination of the content of trace elements (As, Ba, Be, Cd, Co, Cr, Cu, Hg, Mo, Mn, Ni, Pb, Sb, Se, Ti, V and Zn) (EN 15411:2011)
- HRN EN 15413:2011  
Kruta oporabljena goriva – Metode za pripremu uzorka za ispitivanje iz laboratorijskog uzorka (EN 15413:2011)  
Solid recovered fuels – Methods for the preparation of the test sample from the laboratory sample (EN 15413:2011)
- HRN EN 15359:2012  
Kruta oporabljena goriva – Specifikacije i klase (EN 15359:2011)  
Solid recovered fuels – Specifications and classes (EN 15359:2011)
- HRI CEN/TR 14980:2012  
Kruta oporabljena goriva – Izvještaj o relativnoj razlici između biorazgradivih i biogenih frakcija čvrstih oporabljenih goriva (SRF) (CEN/TR 14980:2004)  
Solid recovered fuels – Report on relative difference between biodegradable and biogenic fractions of SRF (CEN/TR 14980:2004)
- HRI CEN/TR 15441:2012  
Kruta oporabljena goriva – Smjernice za zdravstvene aspekte zaštite na radu (CEN/TR 15441:2006)  
Solid recovered fuels – Guidelines on occupational health aspects (CEN/TR 15441:2006)
- HRI CEN/TR 15508:2012  
Ključna svojstva krutih oporabljenih goriva koja se upotrebljavaju za uspostavu razredbenog sustava (CEN/TR 15508:2006)  
Key properties on solid recovered fuels to be used for establishing a classification system (CEN/TR 15508:2006)
- HRI CEN/TR 15591:2012  
Kruta oporabljena goriva – Određivanje sadržaja biomase na temelju 14C metode (CEN/TR 15591:2007)  
Solid recovered fuels – Determination of the biomass content based on the 14C method (CEN/TR 15591:2007)
- HRI CEN/TR 15716:2012  
Kruta oporabljena goriva – Određivanje ponašanja pri izgaranju (CEN/TR 15716:2008)  
Solid recovered fuels – Determination of combustion behaviour (CEN/TR 15716:2008)
- HRN EN 12698-1:2008  
Kemijska analiza nitridom vezanih silikon karbid vatrostralnih materijala – 1. dio: Kemijska metoda (EN 12698-1:2007)  
Chemical analysis of nitride bonded silicon carbide refractories – Part 1: Chemical methods (EN 12698-1:2007)
- HRN EN 12698-2:2008  
Kemijska analiza nitridom vezanih silikon karbid vatrostralnih materijala – 2. dio: XRD metoda (EN 12698-2:2007)  
Chemical analysis of nitride bonded silicon carbide refractories – Part 2: XRD methods (EN 12698-2:2007)
- HRN EN 993-1:2008  
Metode ispitivanja neprozirnih vatrostralnih proizvoda – 1. dio: Određivanje stvarne volumne gustoće, prividne poroznosti i stvarne poroznosti (EN 993-1:1995)  
Methods of test for dense shaped refractory products – Part 1: Determination of bulk density, apparent porosity and true porosity (EN 993-1:1995)
- HRN EN 993-2:2008  
Metode ispitivanja neprozirnih vatrostralnih proizvoda – 2. dio: Određivanje stvarne gustoće (EN 993-2:1995+A1:2003)  
Methods of test for dense shaped refractory products – Part 2: Determination of true density (EN 993-2:1995+A1:2003)
- HRN EN 993-3:2008  
Metode ispitivanja neprozirnih vatrostralnih proizvoda – 3. dio: Metode ispitivanja za vatrostralne materijale koji sadrže ugljik (EN 993-3:1997)  
Methods of test for dense shaped refractory products – Part 3: Test methods for carbon-containing refractories (EN 993-3:1997)
- HRN EN 993-4:2008  
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- HRN EN ISO 1927-1:2012  
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Monolitni (neoblikovani) vatrostalni proizvodi – 4. dio: Određivanje konzistencije odljevka (ISO 1927-4:2012; EN ISO 1927-4:2012)  
Monolithic (unshaped) refractory products – Part 4: Determination of consistency of castables (ISO 1927-4:2012; EN ISO 1927-4:2012)
- HRN EN ISO 1927-5:2013  
Monolitni (neoblikovani) vatrostalni proizvodi – 5. dio: Priprema i obrada ispitnih uzoraka (ISO 1927-5:2012; EN ISO 1927-5:2012)  
Monolithic (unshaped) refractory products – Part 5: Preparation and treatment of test pieces (ISO 1927-5:2012; EN ISO 1927-5:2012)
- HRN EN ISO 1927-6:2013  
Monolitni (neoblikovani) vatrostalni proizvodi – 6. dio: Mjerenje fizikalnih svojstava (ISO 1927-6:2012; EN ISO 1927-6:2012)  
Monolithic (unshaped) refractory products – Part 6: Measurement of physical properties (ISO 1927-6:2012; EN ISO 1927-6:2012)
- HRN EN ISO 1927-7:2013  
Monolitni (neoblikovani) vatrostalni proizvodi – 7. dio: Ispitivanje predoblikovanih oblika (ISO 1927-7:2012; EN ISO 1927-7:2012)  
Monolithic (unshaped) refractory products – Part 7: Tests on pre-formed shapes (ISO 1927-7:2012; EN ISO 1927-7:2012)
- HRN EN ISO 1927-8:2013  
Monolitni (neoblikovani) vatrostalni proizvodi – 8. dio: Određivanje dodatnih svojstava (ISO 1927-8:2012; EN ISO 1927-8:2012)  
Monolithic (unshaped) refractory products – Part 8: Determination of complementary properties (ISO 1927-8:2012; EN ISO 1927-8:2012)
- HRN EN 15357:2011  
Kruta oporabljena goriva – Nazivlje, definicije i opisi (EN 15357:2011)  
Solid recovered fuels – Terminology, definitions and descriptions (EN 15357:2011)
- HRN EN 15400:2011  
Kruta oporabljena goriva – Određivanje ogrijevne vrijednosti (EN 15400:2011)  
Solid recovered fuels – Determination of calorific value (EN 15400:2011)
- HRN EN 15402:2011  
Kruta oporabljena goriva – Određivanje sadržaja hlapljivih tvari (EN 15402:2011)  
Solid recovered fuels – Determination of the content of volatile matter (EN 15402:2011)
- HRN EN 15403:2011  
Kruta oporabljena goriva – Određivanje sadržaja pepela (EN 15403:2011)  
Solid recovered fuels – Determination of ash content (EN 15403:2011)
- HRN EN 15407:2011  
Kruta oporabljena goriva – Metode za određivanje sadržaja ugljika (C), vodika (H) i dušika (N) (EN 15407:2011)  
Solid recovered fuels – Methods for the determination of carbon (C), hydrogen (H) and nitrogen (N) content (EN 15407:2011)
- HRN EN 15408:2011  
Kruta oporabljena goriva – Metode za određivanje sadržaja sumpora (S), klora (Cl), flora (F) i broma (Br) (EN 15408:2011)  
Solid recovered fuels – Methods for the determination of sulphur (S), chlorine (Cl), fluorine (F) and bromine (Br) content (EN 15408:2011)



- HRN EN 15414-3:2011  
Kruta oporabljena goriva – Određivanje sadržaja vlage metodom sušenja u pećnici – 3. dio: Vlaga u općoj analizi uzorka (EN 15414-3:2011)  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 3: Moisture in general analysis sample (EN 15414-3:2011)
- HRN EN 15440:2011  
Kruta oporabljena goriva – Metode određivanja sadržaja biomase (EN 15440:2011)  
Solid recovered fuels – Methods for the determination of biomass content (EN 15440:2011)
- HRN EN 15440:2011/Ispr.1:2011  
Kruta oporabljena goriva – Metode određivanja sadržaja biomase (EN 15440:2011/AC:2011)  
Solid recovered fuels – Methods for the determination of biomass content (EN 15440:2011/AC:2011)
- HRN EN 15442:2011  
Kruta oporabljena goriva – Metode uzorkovanja (EN 15442:2011)  
Solid recovered fuels – Methods for sampling (EN 15442:2011)
- HRN EN 15443:2011  
Kruta oporabljena goriva – Metode za pripremu laboratorijskoga uzorka (EN 15443:2011)  
Solid recovered fuels – Methods for the preparation of the laboratory sample (EN 15443:2011)
- HRS CEN/TS 15414-1:2010  
Kruta oporabljena goriva – Određivanje sadržaja vlage metodom sušenja u pećnici – 1. dio: Određivanje ukupne vlage referentnom metodom (CEN/TS 15414-1:2010)  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 1: Determination of total moisture by a reference method (CEN/TS 15414-1:2010)
- HRS CEN/TS 15414-2:2010  
Kruta oporabljena goriva – Određivanje sadržaja vlage metodom sušenja u pećnici – 2. dio: Određivanje ukupne vlage pojednostavljenom metodom (CEN/TS 15414-2:2010)  
Solid recovered fuels – Determination of moisture content using the oven dry method – Part 2: Determination of total moisture content by a simplified method (CEN/TS 15414-2:2010)
- HRN EN 15415-1:2011  
Kruta oporabljena goriva – Određivanje raspodjele veličine čestica – 1. dio: Metoda prosijavanja čestica malih dimenzija (EN 15415-1:2011)  
Solid recovered fuels – Determination of particle size distribution – Part 1: Screen method for small dimension particles (EN 15415-1:2011)
- HRN EN 15415-2:2012  
Kruta oporabljena goriva – Određivanje raspodjele veličine čestica – 2. dio: Metoda maksimalne projicirane duljine čestica velikih dimenzija (ručna) (EN 15415-2:2012)  
Solid recovered fuels – Determination of particle size distribution – Part 2: Maximum projected length method (manual) for large dimension particles (EN 15415-2:2012)
- HRN EN 15415-3:2012  
Kruta oporabljena goriva – Određivanje raspodjele veličine čestica – 3. dio: Metoda analize slike čestica velikih dimenzija (EN 15415-3:2012)  
Solid recovered fuels – Determination of particle size distribution – Part 3: Method by image analysis for large dimension particles (EN 15415-3:2012)
- HRS CEN/TS 15401:2010  
Kruta oporabljena goriva – Određivanje gustoće rastresitog materijala (CEN/TS 15401:2010)  
Solid recovered fuels – Determination of bulk density (CEN/TS 15401:2010)
- CEN/TS 15412:2010  
Kruta oporabljena goriva – Metode za određivanje metala aluminija (CEN/TS 15412:2010)  
Solid recovered fuels – Methods for the determination of metallic aluminium (CEN/TS 15412:2010)
- HRI CEN/TR 15404:2011  
Kruta oporabljena goriva – Metode za određivanje ponašanja taljenja pepela pri karakterističnim temperaturama (CEN/TR 15404:2010)  
Solid recovered fuels – Methods for the determination of ash melting behaviour by using characteristic temperatures (CEN/TR 15404:2010)
- HRS CEN/TS 15405:2011  
Kruta oporabljena goriva – Određivanje gustoće peleta i briketa (CEN/TS 15405:2010)  
Solid recovered fuels – Determination of density of pellets and briquettes (CEN/TS 15405:2010)
- HRS CEN/TS 15406:2011  
Kruta oporabljena goriva – Određivanje svojstava premošćivanja rastresitog materijala (CEN/TS 15406:2010)  
Solid recovered fuels – Determination of bridging properties of bulk material (CEN/TS 15406:2010)
- HRS CEN/TS 15639:2011  
Kruta oporabljena goriva – Određivanje mehaničke izdržljivosti peleta (CEN/TS 15639:2010)  
Solid recovered fuels – Determination of mechanical durability of pellets (CEN/TS 15639:2010)
- HRN EN ISO 12677:2012  
Kemijska analiza vatrostalnih proizvoda fluorescencijom X-zraka (XRF) – Metoda stapanja lijevanoga zrna (ISO 12677:2011; EN ISO 12677:2011)  
Chemical analysis of refractory products by X-ray fluorescence (XRF) – Fused cast-bead method (ISO 12677:2011; EN ISO 12677:2011)
- HRN EN 15590:2012  
Kruta oporabljena goriva – Određivanje trenutne vrijednosti aerobne bakterijske aktivnosti pomoću stvarnoga dinamičkog indeksa disanja (EN 15590:2011)  
Solid recovered fuels – Determination of the current rate of aerobic microbial activity using the real dynamic respiration index (EN 15590:2011)

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

### 01.040.13 Okoliš. Zaštita zdravlja. Sigurnost (Rječnici)

#### Međunarodna normizacija IEC

IEC 62542:2013  
Environmental standardization for electrical and electronic products and systems – Standardization of environmental aspects – Glossary of terms

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

#### Europska normizacija CENELEC

EN 60469:2013  
Transitions, pulses and related waveforms – Terms, definitions and algorithms (IEC 60469:2013)

### 01.040.31 Elektronika (Rječnici)

#### Međunarodna normizacija IEC

IEC 62629-1-2:2013  
3D display devices – Part 1-2: Generic – Terminology and letter symbols

### 01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

#### Međunarodna normizacija ISO

ISO/IEC 29182-2:2013  
Information technology – Sensor networks: Sensor Network Reference Architecture (SNRA) – Part 2: Vocabulary and terminology

### 01.040.71 Kemijska tehnologija (Rječnici)

#### Međunarodna normizacija IEC

IEC 62703:2013  
Expression of performance of fluorometric oxygen analyzers in liquid media

### 01.040.83 Industrija gume i plastike (Rječnici)

#### Međunarodna normizacija ISO

ISO 1629:2013  
Rubber and latices – Nomenclature

### 01.100.01 Tehnički crteži općenito

#### Međunarodna normizacija ISO

ISO 129-4:2013  
Technical product documentation (TPD) – Indication of dimensions and tolerances – Part 4: Dimensioning of shipbuilding drawings

### 01.120 Normizacija. Opća pravila

#### Europska normizacija CEN/CENELEC

CEN-CENELEC Guide 25:2013  
The concept of Partnership with European Organisations and other stakeholders

CEN-CENELEC Guide 26:2013  
Railway applications – Preparation of standards for urban rail systems design, construction, manufacture, operations and maintenance

### 03.100.01 Ustroj poduzeća i upravljanje poduzećem općenito

#### Europska normizacija CEN

CWA 16649:2013  
Managing emerging technology-related risks

### 03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

#### Međunarodna normizacija ISO

ISO 10008:2013  
Quality management – Customer satisfaction – Guidelines for business-to-consumer electronic commerce transactions

#### IEC

IEC 62673:2013  
Methodology for communication network dependability assessment and assurance

### 11.020 Medicinska znanost i sredstva za zdravstvenu zaštitu općenito

#### Europska normizacija CEN

CWA 16642:2013  
Health care services – Quality criteria for health checks

### 11.040.01 Medicinska oprema općenito

#### Međunarodna normizacija ISO

ISO/TR 24971:2013  
Medical devices – Guidance on the application of ISO 14971

## IEC

IEC 60601-1-9:2007/am1:2013

Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design

IEC 60601-1-9 Edition 1.1:2013

Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design

### 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

#### Europska normizacija CEN

EN ISO 3826-1:2013

Plastics collapsible containers for human blood and blood components – Part 1: Conventional containers (ISO 3826-1:2013)

### 11.040.25 Šprice. Igle. Kateteri

#### Međunarodna normizacija ISO

ISO 10555-1:2013

Intravascular catheters – Sterile and single-use catheters – Part 1: General requirements

ISO 10555-3:2013

Intravascular catheters – Sterile and single-use catheters – Part 3: Central venous catheters

ISO 10555-4:2013

Intravascular catheters – Sterile and single-use catheters – Part 4: Balloon dilatation catheters

ISO 10555-5:2013

Intravascular catheters – Sterile and single-use catheters – Part 5: Over-needle peripheral catheters

### 11.040.50 Radiografska oprema

#### Europska normizacija CENELEC

EN 60601-1-3:2008/A1:2013

Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/A1:2013)

### 11.060.01 Stomatologija općenito

#### Europska normizacija CEN

EN ISO 29022:2013

Dentistry – Adhesion – Notched-edge shear bond strength test (ISO 29022:2013)

### 11.060.10 Stomatološki materijali

#### Europska normizacija CEN

EN ISO 29022:2013

Dentistry – Adhesion – Notched-edge shear bond strength test (ISO 29022:2013)

### 11.080.99 Ostale norme koje se odnose na sterilizaciju i dezinfekciju

#### Europska normizacija CEN

EN ISO 11137-2:2013

Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2013)

#### Međunarodna normizacija ISO

ISO 11137-2:2013

Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose

### 13.020.99 Ostale norme koje se odnose na zaštitu okoliša

#### Međunarodna normizacija ISO

ISO 13073-2:2013

Ships and marine technology – Risk assessment on anti-fouling systems on ships – Part 2: Marine environmental risk assessment method for anti-fouling systems on ships using biocidally active substances

## IEC

IEC 62542:2013

Environmental standardization for electrical and electronic products and systems – Standardization of environmental aspects – Glossary of terms

### 13.060.30 Kanalizacijske vode

#### Europska normizacija CEN

EN 12566-3+A2:2013

Small wastewater treatment systems for up to 50 PT – Part 3: Packaged and/or site assembled domestic wastewater treatment plants

### 13.080.10 Kemijske značajke tla

#### Europska normizacija CEN

EN ISO 17380:2013

Soil quality – Determination of total cyanide and easily liberatable cyanide – Continuous-flow analysis method (ISO 17380:2013)

#### Međunarodna normizacija ISO

ISO 17380:2013

Soil quality – Determination of total cyanide and easily liberatable cyanide – Continuous-flow analysis method

### 13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

#### Europska normizacija CENELEC

EN 50382-1:2008/A1:2013

Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 1: General requirements

EN 50382-2:2008/A1:2013

Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 2: Single core silicone rubber insulated cables for 120 °C or 150 °C

**Međunarodna normizacija  
IEC**

IEC 61034-1:2005/am1:2013

Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus

IEC 61034-1 Edition 3.1:2013

Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus

IEC 61034-2:2005/am1:2013

Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements

IEC 61034-2 Edition 3.1:2013

Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements

**13.220.50 Vatrootpornost građevnih materijala i elemenata**

**Međunarodna normizacija  
ISO**

ISO/TR 22899-2:2013

Determination of the resistance to jet fires of passive fire protection – Part 2: Guidance on classification and implementation methods

**13.260 Zaštita od električnog udara. Rad pod naponom**

**Europska normizacija  
CENELEC**

EN 61472:2013

Live working – Minimum approach distances for a.c. systems in the voltage range 72,5 kV to 800 kV – A method of calculation (IEC 61472:2013)

**13.280 Zaštita od zračenja**

**Europska normizacija  
CENELEC**

EN 60601-1-3:2008/A1:2013

Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/A1:2013)

**17.140.20 Buka koju proizvode strojevi i oprema**

**Međunarodna normizacija  
ISO**

ISO 15739:2013

Photography – Electronic still-picture imaging – Noise measurements

**17.140.30 Buka koju proizvode prijevozna sredstva**

**Međunarodna normizacija  
ISO**

ISO 20906:2009/Amd 1:2013

Acoustics – Unattended monitoring of aircraft sound in the vicinity of airports; Amendment 1

**17.160 Vibracije, udari i mjerenja vibracija**

**Međunarodna normizacija  
ISO**

ISO/TR 19201:2013

Mechanical vibration – Methodology for selecting appropriate machinery vibration standards

**17.220.01 Elektricitet. Magnetizam. Opći aspekti**

**Europska normizacija  
CENELEC**

EN 60469:2013

Transitions, pulses and related waveforms – Terms, definitions and algorithms (IEC 60469:2013)

**17.220.20 Mjerenje električnih i magnetskih veličina**

**Europska normizacija  
CENELEC**

EN 50383:2010/AC:2013

Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz – 40 GHz); Corrigendum

EN 61557-10:2013

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 10: Combined measuring equipment for testing, measuring or monitoring of protective measures (IEC 61557-10:2013)

EN 61557-14:2013

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 14: Equipment for testing the safety of electrical equipment for machinery (IEC 61557-14:2013)

**17.240 Mjerenja zračenja**

**Međunarodna normizacija  
ISO**

ISO 15690:2013

Radioprotection – Recommandations relatives au traitement des écarts entre systèmes dosimétriques individuels utilisés Europska normizacija parallèle



## 19.040 Ispitivanje utjecaja okoliša

### Međunarodna normizacija

#### IEC

- IEC 60721-2-1:2013  
Classification of environmental conditions – Part 2-1: Environmental conditions appearing in nature – Temperature and humidity
- IEC 60721-2-3:2013  
Classification of environmental conditions – Part 2-3: Environmental conditions appearing in nature – Air pressure

## 19.100 Nerazorna ispitivanja

### Europska normizacija

#### CEN

- EN ISO 3452-1:2013  
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2013)
- EN ISO 19232-1:2013  
Non-destructive testing – Image quality of radiographs – Part 1: Determination of the image quality value using wire-type image quality indicators (ISO 19232-1:2013)
- EN ISO 19232-2:2013  
Non-destructive testing – Image quality of radiographs – Part 2: Determination of the image quality value using step/hole-type image quality indicators (ISO 19232-2:2013)
- EN ISO 19232-3:2013  
Non-destructive testing – Image quality of radiographs – Part 3: Image quality classes (ISO 19232-3:2013)
- EN ISO 19232-4:2013  
Non-destructive testing – Image quality of radiographs – Part 4: Experimental evaluation of image quality values and image quality tables (ISO 19232-4:2013)
- EN ISO 19232-5:2013  
Non-destructive testing – Image quality of radiographs – Part 5: Determination of the image unsharpness value using duplex wire-type image quality indicators (ISO 19232-5:2013)

### Međunarodna normizacija

#### ISO

- ISO 3452-1:2013  
Non-destructive testing – Penetrant testing – Part 1: General principles
- ISO 19232-1:2013  
Non-destructive testing – Image quality of radiographs – Part 1: Determination of the image quality value using wire-type image quality indicators
- ISO 19232-2:2013  
Non-destructive testing – Image quality of radiographs – Part 2: Determination of the image quality value using step/hole-type image quality indicators
- ISO 19232-3:2013  
Non-destructive testing – Image quality of radiographs – Part 3: Image quality classes
- ISO 19232-4:2013  
Non-destructive testing – Image quality of radiographs – Part 4: Experimental evaluation of image quality values and image quality tables
- ISO 19232-5:2013  
Non-destructive testing – Image quality of radiographs – Part 5: Determination of the image unsharpness value using duplex wire-type image quality indicators

## 19.120 Analiza veličine čestica. Prosijavanje

### Međunarodna normizacija

#### ISO

- ISO/TR 13097:2013  
Guidelines for the characterization of dispersion stability

## 21.060.20 Matice

### Europska normizacija

#### CEN

- EN ISO 4034:2012/AC:2013  
Hexagon regular nuts (style 1) – Product grade C – Technical Corrigendum 1 (ISO 4034:2012/Cor 1:2013)
- EN ISO 4035:2012/AC:2013  
Hexagon thin nuts chamfered (style 0) – Product grades A and B – Technical Corrigendum 1 (ISO 4035:2012)
- EN ISO 7719:2012/AC:2013  
Prevailing torque type all-metal hexagon regular nuts – Property classes 5, 8 and 10 – Technical Corrigendum 1 (ISO 7719:2012/Cor 1:2013)

### Međunarodna normizacija

#### ISO

- ISO 4034:2012/Cor 1:2013  
Hexagon regular nuts (style 1) – Product grade C; Technical Corrigendum 1
- ISO 7719:2012/Cor 1:2013  
Prevailing torque type all-metal hexagon regular nuts – Property classes 5, 8 and 10; Technical Corrigendum 1

## 21.160 Opruge

### Europska normizacija

#### CEN

- EN 13906-2:2013  
Cylindrical helical springs made from round wire and bar – Calculation and design – Part 2: Extension springs

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Europska normizacija

#### CEN

- EN ISO 11439:2013  
Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles (ISO 11439:2013)

### Međunarodna normizacija

#### ISO

- ISO 11439:2013  
Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles

## 23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

### Europska normizacija CEN

- EN 16348:2013  
Gas infrastructure – Safety Management System (SMS) for gas transmission infrastructure and Pipeline Integrity Management System (PIMS) for gas transmission pipelines – Functional requirements

## 23.040.20 Plastične cijevi

### Međunarodna normizacija ISO

- ISO 10928:2009/Amd 1:2013  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use; Amendment 1

## 23.040.45 Plastične spojnice

### Međunarodna normizacija ISO

- ISO 10928:2009/Amd 1:2013  
Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use; Amendment 1

## 23.040.70 Crijeva i crijevni sklopovi

### Europska normizacija CEN

- EN 1360:2013  
Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems – Specification
- EN 13483:2013  
Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – Specification
- EN 14422:2013  
Clamp type coupling assemblies for liquefied petroleum gas (LPG) transfer hoses
- EN 14423:2013  
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar
- EN 14424:2013  
Hose fittings with screwed ferrules

## 23.060.01 Zaporni uređaji općenito

### Europska normizacija CEN

- EN ISO 11297-3:2013  
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 3: Lining with close-fit pipes (ISO 11297-3:2013)

### Međunarodna normizacija ISO

- ISO 11297-3:2013  
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 3: Lining with close-fit pipes

## 23.060.40 Regulatori tlaka

### Međunarodna normizacija IEC

- IEC 61514-2:2013  
Industrial Process Control Systems – Part 2: Methods of evaluating the performance of intelligent valve positioners with pneumatic outputs

## 23.100.01 Sustavi za hidraulički i pneumatski prijenos energije općenito

### Međunarodna normizacija ISO

- ISO/TR 10686:2013  
Hydraulic fluid power – Method to relate the cleanliness of a hydraulic system to the cleanliness of the components and hydraulic fluid that make up the system

## 25.040.40 Mjerenje i upravljanje u industrijskim procesima

### Međunarodna normizacija IEC

- IEC 61514-2:2013  
Industrial Process Control Systems – Part 2: Methods of evaluating the performance of intelligent valve positioners with pneumatic outputs

## 25.160.10 Procesi zavarivanja

### Europska normizacija CEN

- EN ISO 12996:2013  
Mechanical joining – Destructive testing of joints – Specimen dimensions and test procedure for tensile shear testing of single joints (ISO 12996:2013)
- EN ISO 15614-14:2013  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 14: Laser-arc hybrid welding of steels, nickel and nickel alloys (ISO 15614-14:2013)

### Međunarodna normizacija ISO

- ISO 15614-14:2013  
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 14: Laser-arc hybrid welding of steels, nickel and nickel alloys

## 25.160.20 Dodatni i potrošni materijali za zavarivanje

### Europska normizacija CEN

- EN ISO 6847:2013  
Welding consumables – Deposition of a weld metal pad for chemical analysis (ISO 6847:2013)

## **Međunarodna normizacija ISO**

ISO 6847:2013  
Welding consumables – Deposition of a weld metal pad for chemical analysis

### **25.160.40 Zavareni spojevi i zavari**

## **Europska normizacija CEN**

EN ISO 12932:2013  
Welding – Laser-arc hybrid welding of steels, nickel and nickel alloys – Quality levels for imperfections (ISO 12932:2013)  
EN ISO 12996:2013  
Mechanical joining – Destructive testing of joints – Specimen dimensions and test procedure for tensile shear testing of single joints (ISO 12996:2013)

## **Međunarodna normizacija ISO**

ISO 12932:2013  
Welding – Laser-arc hybrid welding of steels, nickel and nickel alloys – Quality levels for imperfections

### **25.160.50 Tvrdo i meko lemljenje**

## **Međunarodna normizacija IEC**

IEC 62739-1:2013  
Test method for erosion of wave soldering equipment using molten lead-free solder alloy – Part 1: Erosion test method for metal materials without surface processing

### **25.180.10 Električne peći**

## **Europska normizacija CENELEC**

EN 60519-12:2013  
Safety in electroheating installations – Part 12: Particular requirements for infrared electroheating installations (IEC 60519-12:2013)

## **Međunarodna normizacija IEC**

IEC 60519-4:2013  
Safety in electroheating installations – Part 4: Particular requirements for arc furnace installations  
IEC 62693:2013  
Industrial electroheating installations – Test methods for infrared electroheating installations

### **27.040 Plinske i parne turbine. Parni strojevi**

## **Europska normizacija CENELEC**

EN 60045-1:1993  
Steam turbines – Part 1: Specifications (IEC 60045-1:1991)

### **27.070 Gorivi članci**

## **Međunarodna normizacija ISO**

ISO 23273:2013  
Fuel cell road vehicles – Safety specifications – Protection against hydrogen hazards for vehicles fuelled with compressed hydrogen

### **27.140 Hidroenergetika**

## **Međunarodna normizacija IEC**

IEC 62364:2013  
Hydraulic machines – Guide for dealing with hydro-abrasive erosion in Kaplan, Francis, and Pelton turbines

### **27.160 Solarna energetika**

## **Europska normizacija CENELEC**

EN 50548:2011/A1:2013  
Junction boxes for photovoltaic modules

## **Međunarodna normizacija IEC**

IEC 62716:2013  
Photovoltaic (PV) modules – Ammonia corrosion testing

### **29.020 Elektrotehnika općenito**

## **Međunarodna normizacija IEC**

IEC 62321-2:2013  
Determination of certain substances in electrotechnical products – Part 2: Disassembly, disjointment and mechanical sample preparation  
IEC 62321-3-1:2013  
Determination of certain substances in electrotechnical products – Part 3-1: Screening test methods – Screening of electrotechnical products for lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry  
IEC 62321-3-2:2013  
Determination of certain substances in electrotechnical products – Part 3-2: Screening test methods – Screening of total bromine in polymers and electronics by combustion – Ion chromatography (C-IC)  
IEC 62321-4:2013  
Determination of certain substances in electrotechnical products – Part 4: Determination of mercury in polymers, metals and electronics by CV-AAS, CV-AFS, ICP- OES and ICP-MS  
IEC 62321-5:2013  
Determination of certain substances in electrotechnical products – Part 5: Determination of cadmium, lead, and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP- OES and ICP-MS  
IEC 62506:2013  
Methods for product accelerated testing  
IEC 62542:2013  
Environmental standardization for electrical and electronic products and systems – Standardization of environmental aspects – Glossary of terms

## 29.035.01 Izolacijski materijali općenito

### Međunarodna normizacija

#### IEC

IEC 60544-1:2013

Electrical insulating materials – Determination of the effects of ionizing radiation – Part 1: Radiation interaction and dosimetry

## 29.035.20 Plastični i gumeni izolacijski materijali

### Europska normizacija

#### CENELEC

EN 60455-3-8:2013

Resin based reactive compounds used for electrical insulation – Part 3: Specifications for individual materials – Sheet 8: Resins for cable accessories (IEC 60455-3-8:2013)

EN 61212-3-1:2013

Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Round laminated rolled tubes (IEC 61212-3-1:2013)

EN 61212-3-2:2013

Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 3: Specifications for individual materials – Sheet 2: Round laminated moulded tubes (IEC 61212-3-2:2013)

## 29.050 Supravodljivost i vodljivi materijali

### Međunarodna normizacija

#### IEC

IEC 61788-12:2013

Superconductivity – Part 12: Matrix to superconductor volume ratio measurement – Copper to non-copper volume ratio of Nb3Sn composite superconducting wires

## 29.060.20 Kabeli

### Europska normizacija

#### CENELEC

EN 50382-1:2008/A1:2013

Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 1: General requirements

EN 50382-2:2008/A1:2013

Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 2: Single core silicone rubber insulated cables for 120 °C or 150 °C

### Međunarodna normizacija

#### IEC

IEC 61034-1:2005/am1:2013

Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus

IEC 61034-1 Edition 3.1:2013

Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus

IEC 61034-2:2005/am1:2013

Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements

IEC 61034-2 Edition 3.1:2013

Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements

## 29.120.10 Zaštitne cijevi za električne potrebe

### Europska normizacija

#### CENELEC

EN 50085-1:2005/A1:2013

Cable trunking systems and cable ducting systems for electrical installations – Part 1: General requirements

EN 50548:2011/A1:2013

Junction boxes for photovoltaic modules

## 29.120.30 Utikači, utičnice, sprežnici

### Međunarodna normizacija

#### IEC

IEC 60884-2-7:2011/am1:2013

Plugs and socket-outlets for household and similar purposes – Part 2-7: Particular requirements for cord extension sets

IEC 60884-2-7 Edition 1.1:2013

Plugs and socket-outlets for household and similar purposes – Part 2-7: Particular requirements for cord extension sets

## 29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

### Europska normizacija

#### CENELEC

EN 60549:2013

High-voltage fuses for the external protection of shunt capacitors (IEC 60549:2013)

### Međunarodna normizacija

#### IEC

IEC 60269-3 AMD 1 Corrigendum 2:2013

Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household or similar application) – Examples of standardized systems of fuses A to F; Corrigendum 2

## 29.120.70 Sklopnici (releji)

### Europska normizacija

#### CENELEC

EN 50578:2013

Railway applications – Direct current signalling relays



## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Europska normizacija CENELEC

- EN 62683:2013  
Low-voltage switchgear and controlgear – Product data and properties for information exchange (IEC 62683:2013)

## 29.140.01 Svjetiljke općenito

### Međunarodna normizacija IEC

- IEC 61231:2010/am1:2013  
International lamp coding system (ILCOS)
- IEC 61231 Edition 1.1:2013  
International lamp coding system (ILCOS)
- IEC 61547 Interpretation Sheet 1:2013  
Equipment for general lighting purposes – EMC immunity requirements; Interpretation Sheet 1
- CISPR 15 Interpretation Sheet 1:2013  
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment – Interpretation sheet on the assessment of retrofit Extra Low Voltage LED lamps; Interpretation Sheet 1
- CISPR 15 Interpretation Sheet 2:2013  
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment – Interpretation sheet to test conditions for wall dimmers; Interpretation Sheet 2

## 29.140.40 Rasvjetna tijela

### Europska normizacija CENELEC

- EN 60598-2-8:2013  
Luminaires – Part 2-8: Particular requirements – Handlamps (IEC 60598-2-8:2013)
- EN 60598-2-12:2013  
Luminaires – Part 2-12: Particular requirements – Mains socket-outlet mounted nightlights (IEC 60598-2-12:2013)

### Međunarodna normizacija IEC

- IEC 60598-2-24:2013  
Luminaires – Part 2-24: Particular requirements – Luminaires with limited surface temperatures

## 29.140.50 Rasvjetni instalacijski sustavi

### Međunarodna normizacija IEC

- IEC 61534-1:2011/Corr.1:2013  
Powertrack systems – Part 1: General requirements; Corrigendum 1

## 29.140.99 Ostale norme koje se odnose na svjetiljke

### Međunarodna normizacija IEC

- IEC 62612:2013  
Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements

## 29.180 Transformatori. Prigušnice

### Europska normizacija CENELEC

- EN 50541-2:2013  
Three phase dry-type distribution transformers 50 Hz, from 100 kVA to 3150 kVA, with highest voltage for equipment not exceeding 36 kV – Part 2: Determination of loadability of a transformer loaded with non-sinusoidal current

## 29.220.30 Alkalni sekundarni članci i baterije

### Međunarodna normizacija IEC

- IEC 62133:2012/Corr.1:2013  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications; Corrigendum 1

## 31.020 Elektronički sastavni dijelovi općenito

### Međunarodna normizacija IEC

- IECQ 01A:2013  
IEC quality assessment system for electronic components (IECQ system) – IECQ Guide – Guidance for the use of the IECQ Logo and IECQ Mark of Conformity
- IECQ 02:2013  
IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – General Requirements for the Acceptance of IECQ Certification Bodies into the IECQ System
- IECQ 03-7:2013  
IEC Quality Assessment System for Electronic Components (IECQ System) – Rules of Procedure – Part 7: IECQ Counterfeit Avoidance Programme (IECQ AP-CAP) Program Requirements
- IEC 62542:2013  
Environmental standardization for electrical and electronic products and systems – Standardization of environmental aspects – Glossary of terms

## 31.040.10 Nepromjenjivi otpornici

### Europska normizacija CENELEC

- EN 140401-803:2007/A2:2013  
Detail specification: Fixed low power film SMD resistors – Cylindrical – Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2

## 31.060.10 Nepromenljivi kondenzatori

### Međunarodna normizacija

#### IEC

IEC 60384-14:2013

Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

## 31.060.70 Energetski kondenzatori

### Europska normizacija

#### CENELEC

EN 60143-2:2013

Series capacitors for power systems – Part 2: Protective equipment for series capacitor banks (IEC 60143-2:2012)

## 31.080.99 Ostale poluvodičke naprave

### Međunarodna normizacija

#### IEC

IEC 60747-16-5:2013

Semiconductor devices – Part 16-5: Microwave integrated circuits – Oscillators

## 31.120 Elektronički uređaji za prikazivanje

### Međunarodna normizacija

#### IEC

IEC 61747-40-1:2013

Liquid crystal display devices – Part 40-1: Mechanical testing of display cover glass for mobile devices – Guidelines

IEC 62629-1-2:2013

3D display devices – Part 1-2: Generic – Terminology and letter symbols

## 31.140 Piezoelektrične naprave

### Međunarodna normizacija

#### IEC

IEC 60444-6:2013

Measurement of quartz crystal unit parameters – Part 6: Measurement of drive level dependence (DLD)

## 31.180 Tiskani krugovi i pločice

### Međunarodna normizacija

#### IEC

IEC 61191-2:2013

Printed board assemblies – Part 2: Sectional specification – Requirements for surface mount soldered assemblies

## 31.220.10 Utikačke i utičničke naprave. Konektori

### Međunarodna normizacija

#### IEC

IEC 60352-2:2002/am1:2013

Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance

IEC 60352-2 Edition 2.1:2013

Solderless connections – Part 2: Crimped connections – General requirements, test methods and practical guidance

IEC 62680-4:2013

Universal Serial Bus interfaces for data and power – Part 4: Universal Serial Bus Cables and Connectors Class, Document Revision 2.0

## 33.020 Telekomunikacije općenito

### Europska normizacija

#### ETSI

ETSI SR 002959 V 1.3.2:2013

Electronic Working Tools – Roadmap including recommendations for the deployment and usage of electronic working tools in the ETSI standardization process

ETSI ES 202781 V 1.2.1:2013

Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – TTCN-3 Language Extensions: Configuration and Deployment Support

## 33.040.01 Telekomunikacijski sustavi općenito

### Europska normizacija

#### ETSI

ETSI TS 102250-3 V 2.3.1:2013

Speech and multimedia Transmission Quality (STQ) – QoS aspects for popular services in mobile networks – Part 3: Typical procedures for Quality of Service measurement equipment

ETSI TS 102250-5 V 2.4.1:2013

Speech and multimedia Transmission Quality (STQ) – QoS aspects for popular services in mobile networks – Part 5: Definition of typical measurement profiles

ETSI TR 102489 V 1.3.1:2013

Environmental Engineering (EE) – European telecommunications standard for equipment practice – Thermal management guidance for equipment and its deployment

ETSI TS 102918 V 1.3.1:2013

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC)

ETSI TS 103174 V 2.2.1:2013

Electronic Signatures and Infrastructures (ESI) – ASiC Baseline Profile

ETSI TS 119612 V 1.1.1:2013

Electronic Signatures and Infrastructures (ESI) – Trusted Lists

ETSI ES 203136 V 1.1.1:2013

Environmental Engineering (EE) – Measurement methods for energy efficiency of router and switch equipment

## 33.040.40 Mreže za prijenos podataka

### Međunarodna normizacija

#### IEC

IEC 62673:2013

Methodology for communication network dependability assessment and assurance

## 33.040.99 Ostala oprema za komunikacijske sustave

### Europska normizacija

#### ETSI

ETSI TS 186008-1 V 1.2.2:2013

IMS Network Testing (INT) – IMS/NGN Performance Benchmark – Part 1: Core Concepts

ETSI TS 186025-4 V 2.2.1:2013

IMS Network Testing (INT) – IMS/PES Performance Benchmark – Part 4: Reference Load network quality parameters

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

#### ETSI

EN 301908-4 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 4: CDMA Multi-Carrier (cdma2000) User Equipment (UE)

EN 301908-19 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 19: OFDMA TDD WMAN (Mobile WiMAX) TDD User Equipment (UE)

EN 301908-20 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 20: OFDMA TDD WMAN (Mobile WiMAX) TDD Base Stations (BS)

ETSI TR 102945 V 1.1.1:2013

Reconfigurable Radio Systems (RRS) – Definitions and abbreviations

ETSI TR 102947 V 1.1.1:2013

Reconfigurable Radio Systems (RRS) – Use Cases for building and exploitation of Radio Environment Maps (REMs) for intra-operator scenarios

## 33.060.30 Radioreleji i nepomični satelitski komunikacijski sustavi

### Europska normizacija

#### ETSI

EN 301444 V 1.2.2:2013

Satellite Earth Stations and Systems (SES) – Harmonized EN for Land Mobile Earth Stations (LMES) operating in the 1,5 GHz and 1,6 GHz bands providing voice and/or data communications covering essential requirements of article 3.2 of the R&TTE directive

## 33.060.40 Kabelski distribucijski sustavi

### Europska normizacija

#### ETSI

ETSI ES 205200-1 V 1.1.1:2013

Access, Terminals, Transmission and Multiplexing (ATTM) – Energy management – Global KPIs – Operational infrastructures – Part 1: General requirements

ETSI ES 205200-2-1 V 1.1.1:2013

Access, Terminals, Transmission and Multiplexing (ATTM) – Energy management – Global KPIs – Operational infrastructures – Part 2: Specific requirements – Sub-part 1: Data centres

## 33.070.01 Usluge pokretne mreže općenito

### Europska normizacija

#### ETSI

EN 301908-4 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 4: CDMA Multi-Carrier (cdma2000) User Equipment (UE)

EN 301908-19 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 19: OFDMA TDD WMAN (Mobile WiMAX) TDD User Equipment (UE)

EN 301908-20 V 6.2.1:2013

IMT cellular networks – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive – Part 20: OFDMA TDD WMAN (Mobile WiMAX) TDD Base Stations (BS)

## 33.070.40 Sateliti

### Europska normizacija

#### ETSI

EN 301444 V 1.2.2:2013

Satellite Earth Stations and Systems (SES) – Harmonized EN for Land Mobile Earth Stations (LMES) operating in the 1,5 GHz and 1,6 GHz bands providing voice and/or data communications covering essential requirements of article 3.2 of the R&TTE directive

ETSI TR 101542 V 1.2.1:2013

Satellite Earth Stations and Systems (SES) – Comparison of candidate radio interfaces performances in MSS context

ETSI TR 103124 V 1.1.1:2013

Satellite Earth Stations and Systems (SES) – Combined Satellite and Terrestrial Networks scenarios

## 33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

### Europska normizacija

#### ETSI

ETSI TS 103147 V 1.1.1:2013

Railway Telecommunications (RT) – GSM-R Core Network Redundancy

ETSI TR 121900 V 11.0.1:2013

Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – Technical Specification Group working methods (3GPP TR 21.900 version 11.0.1 Release 11)

- ETSI TS 122146 V 11.1.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Stage 1 (3GPP TS 22.146 version 11.1.0 Release 11)
- ETSI TS 123002 V 11.6.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Network architecture (3GPP TS 23.002 version 11.6.0 Release 11)
- ETSI TS 123007 V 11.6.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Restoration procedures (3GPP TS 23.007 version 11.6.0 Release 11)
- ETSI TS 123008 V 10.6.1:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 10.6.1 Release 10)
- ETSI TS 123008 V 11.8.1:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 11.8.1 Release 11)
- ETSI TS 123015 V 11.3.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – Technical realization of Operator Determined Barring (ODB) (3GPP TS 23.015 version 11.3.0 Release 11)
- ETSI TS 123060 V 10.12.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 2 (3GPP TS 23.060 version 10.12.0 Release 10)
- ETSI TS 123060 V 11.6.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 2 (3GPP TS 23.060 version 11.6.0 Release 11)
- ETSI TS 123167 V 11.7.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 11.7.0 Release 11)
- ETSI TS 123203 V 11.10.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and charging control architecture (3GPP TS 23.203 version 11.10.0 Release 11)
- ETSI TS 123204 V 11.4.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access – Stage 2 (3GPP TS 23.204 version 11.4.0 Release 11)
- ETSI TS 123216 V 10.6.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Single Radio Voice Call Continuity (SRVCC) – Stage 2 (3GPP TS 23.216 version 10.6.0 Release 10)
- ETSI TS 123216 V 11.9.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Single Radio Voice Call Continuity (SRVCC) – Stage 2 (3GPP TS 23.216 version 11.9.0 Release 11)
- ETSI TS 123221 V 11.2.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Architectural requirements (3GPP TS 23.221 version 11.2.0 Release 11)
- ETSI TS 123228 V 11.8.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 11.8.0 Release 11)
- ETSI TS 123237 V 10.11.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Service Continuity – Stage 2 (3GPP TS 23.237 version 10.11.0 Release 10)
- ETSI TS 123237 V 11.8.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Service Continuity – Stage 2 (3GPP TS 23.237 version 11.8.0 Release 11)
- ETSI TS 123251 V 10.6.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Network sharing – Architecture and functional description (3GPP TS 23.251 version 10.6.0 Release 10)
- ETSI TS 123272 V 9.14.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Switched (CS) fallback in Evolved Packet System (EPS) – Stage 2 (3GPP TS 23.272 version 9.14.0 Release 9)
- ETSI TS 123272 V 10.11.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Switched (CS) fallback in Evolved Packet System (EPS) – Stage 2 (3GPP TS 23.272 version 10.11.0 Release 10)
- ETSI TS 123272 V 11.5.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Switched (CS) fallback in Evolved Packet System (EPS) – Stage 2 (3GPP TS 23.272 version 11.5.0 Release 11)
- ETSI TS 123292 V 11.6.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) centralized services – Stage 2 (3GPP TS 23.292 version 11.6.0 Release 11)
- ETSI TS 123401 V 11.6.0:2013  
LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 11.6.0 Release 11)
- ETSI TS 123402 V 11.7.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 11.7.0 Release 11)
- ETSI TS 123682 V 11.4.0:2013  
Digital cellular telecommunications system (Phase 2+) – Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 11.4.0 Release 11)
- ETSI TS 125211 V 11.4.0:2013  
Universal Mobile Telecommunications System (UMTS) – Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 11.4.0 Release 11)



- ETSI TS 125212 V 11.5.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– Multiplexing and channel coding (FDD)  
(3GPP TS 25.212 version 11.5.0 Release 11)
- ETSI TS 125214 V 10.7.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– Physical layer procedures (FDD) (3GPP TS 25.214  
version 10.7.0 Release 10)
- ETSI TS 125214 V 11.6.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– Physical layer procedures (FDD) (3GPP TS 25.214  
version 11.6.0 Release 11)
- ETSI TS 129060 V 11.7.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – General Packet Radio Service (GPRS)  
– GPRS Tunnelling Protocol (GTP) across the Gn  
and Gp interface (3GPP TS 29.060 version 11.7.0  
Release 11)
- ETSI TS 129171 V 11.3.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Location Services (LCS) – LCS  
Application Protocol (LCS-AP) between the Mobile  
Management Entity (MME) and Evolved Serving  
Mobile Location Centre (E-SMLC) – S-Ls interface  
(3GPP TS 29.171 version 11.3.0 Release 11)
- ETSI TS 129228 V 11.8.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IP Multimedia (IM) Subsystem Cx and  
Dx Interfaces – Signalling flows and message contents  
(3GPP TS 29.228 version 11.8.0 Release 11)
- ETSI TS 129229 V 11.4.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Cx and Dx interfaces based on the  
Diameter protocol – Protocol details (3GPP TS 29.229  
version 11.4.0 Release 11)
- ETSI TS 129230 V 8.16.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Diameter applications – 3GPP specific  
codes and identifiers (3GPP TS 29.230 version 8.16.0  
Release 8)
- ETSI TS 129230 V 9.14.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Diameter applications – 3GPP specific  
codes and identifiers (3GPP TS 29.230 version 9.14.0  
Release 9)
- ETSI TS 129230 V 10.10.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Diameter applications – 3GPP specific  
codes and identifiers (3GPP TS 29.230 version 10.10.0  
Release 10)
- ETSI TS 129230 V 11.7.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Diameter applications – 3GPP specific  
codes and identifiers (3GPP TS 29.230 version 11.7.0  
Release 11)
- ETSI TS 129232 V 10.6.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Media Gateway Controller (MGC) –  
Media Gateway (MGW) interface – Stage 3  
(3GPP TS 29.232 version 10.6.0 Release 10)
- ETSI TS 129232 V 11.2.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Media Gateway Controller (MGC) –  
Media Gateway (MGW) interface – Stage 3  
(3GPP TS 29.232 version 11.2.0 Release 11)
- ETSI TS 129234 V 6.18.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – 3GPP system to Wireless Local Area Network  
(WLAN) interworking – Stage 3 (3GPP TS 29.234  
version 6.18.0 Release 6)
- ETSI TS 129234 V 7.15.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – 3GPP system to Wireless Local Area Network  
(WLAN) interworking – Stage 3 (3GPP TS 29.234  
version 7.15.0 Release 7)
- ETSI TS 129234 V 8.6.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – 3GPP system to Wireless Local Area Network  
(WLAN) interworking – Stage 3 (3GPP TS 29.234  
version 8.6.0 Release 8)
- ETSI TS 129234 V 10.4.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – 3GPP system to Wireless Local Area Network  
(WLAN) interworking – Stage 3 (3GPP TS 29.234  
version 10.4.0 Release 10)
- ETSI TS 129234 V 11.2.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – 3GPP system to Wireless Local Area Network  
(WLAN) interworking – Stage 3 (3GPP TS 29.234  
version 11.2.0 Release 11)
- ETSI TS 129238 V 10.6.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Interconnection Border Control  
Functions (IBCF) – Transition Gateway (TrGW)  
interface, Ix interface – Stage 3 (3GPP TS 29.238  
version 10.6.0 Release 10)
- ETSI TS 129238 V 11.2.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Interconnection Border Control  
Functions (IBCF) – Transition Gateway (TrGW)  
interface, Ix interface – Stage 3 (3GPP TS 29.238  
version 11.2.0 Release 11)
- ETSI TS 129272 V 8.13.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – Mobility  
Management Entity (MME) and Serving GPRS Support  
Node (SGSN) related interfaces based on Diameter  
protocol (3GPP TS 29.272 version 8.13.0 Release 8)
- ETSI TS 129272 V 9.12.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – Mobility  
Management Entity (MME) and Serving GPRS Support  
Node (SGSN) related interfaces based on Diameter  
protocol (3GPP TS 29.272 version 9.12.0 Release 9)
- ETSI TS 129272 V 10.8.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – Mobility  
Management Entity (MME) and Serving GPRS Support  
Node (SGSN) related interfaces based on Diameter  
protocol (3GPP TS 29.272 version 10.8.0 Release 10)
- ETSI TS 129272 V 11.7.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – Mobility  
Management Entity (MME) and Serving GPRS Support  
Node (SGSN) related interfaces based on Diameter  
protocol (3GPP TS 29.272 version 11.7.0 Release 11)

- ETSI TS 129273 V 11.6.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – 3GPP EPS  
AAA interfaces (3GPP TS 29.273 version 11.6.0  
Release 11)
- ETSI TS 129274 V 10.11.0:2013  
Universal Mobile Telecommunications System  
(UMTS) – LTE – 3GPP Evolved Packet System (EPS)  
– Evolved General Packet Radio Service (GPRS)  
Tunnelling Protocol for Control plane (GTPv2-C) –  
Stage 3 (3GPP TS 29.274 version 10.11.0 Release 10)
- ETSI TS 129274 V 11.7.0:2013  
Universal Mobile Telecommunications System  
(UMTS) – LTE – 3GPP Evolved Packet System (EPS)  
– Evolved General Packet Radio Service (GPRS)  
Tunnelling Protocol for Control plane (GTPv2-C) –  
Stage 3 (3GPP TS 29.274 version 11.7.0 Release 11)
- ETSI TS 129275 V 10.8.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Proxy Mobile IPv6 (PMIPv6) based Mobility  
and Tunnelling protocols – Stage 3 (3GPP TS 29.275  
version 10.8.0 Release 10)
- ETSI TS 129275 V 11.7.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Proxy Mobile IPv6 (PMIPv6) based Mobility  
and Tunnelling protocols – Stage 3 (3GPP TS 29.275  
version 11.7.0 Release 11)
- ETSI TS 129280 V 11.4.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – Evolved Packet System (EPS) – 3GPP Sv  
interface (MME to MSC, and SGSN to MSC) for  
SRVCC (3GPP TS 29.280 version 11.4.0 Release 11)
- ETSI TS 129305 V 8.5.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – InterWorking Function (IWF) between MAP  
based and Diameter based interfaces  
(3GPP TS 29.305 version 8.5.0 Release 8)
- ETSI TS 129305 V 9.3.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – InterWorking Function (IWF) between MAP  
based and Diameter based interfaces  
(3GPP TS 29.305 version 9.3.0 Release 9)
- ETSI TS 129305 V 10.4.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – InterWorking Function (IWF) between MAP  
based and Diameter based interfaces  
(3GPP TS 29.305 version 10.4.0 Release 10)
- ETSI TS 129305 V 11.5.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– LTE – InterWorking Function (IWF) between MAP  
based and Diameter based interfaces  
(3GPP TS 29.305 version 11.5.0 Release 11)
- ETSI TS 129328 V 10.10.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IP Multimedia (IM) Subsystem Sh  
interface – Signalling flows and message contents  
(3GPP TS 29.328 version 10.10.0 Release 10)
- ETSI TS 129328 V 11.8.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IP Multimedia (IM) Subsystem Sh  
interface – Signalling flows and message contents  
(3GPP TS 29.328 version 11.8.0 Release 11)
- ETSI TS 129329 V 11.7.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – Sh interface based on the Diameter  
protocol – Protocol details (3GPP TS 29.329 version  
11.7.0 Release 11)
- ETSI TS 129332 V 10.8.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – Media Gateway Control Function (MGCF)  
– IM Media Gateway – Mn interface (3GPP TS 29.332  
version 10.8.0 Release 10)
- ETSI TS 129332 V 11.3.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – Media Gateway Control Function (MGCF)  
– IM Media Gateway – Mn interface (3GPP TS 29.332  
version 11.3.0 Release 11)
- ETSI TS 129333 V 10.7.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – Multimedia Resource Function Controller  
(MRFC) – Multimedia Resource Function Processor  
(MRFP) Mp interface – Stage 3 (3GPP TS 29.333  
version 10.7.0 Release 10)
- ETSI TS 129333 V 11.3.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – Multimedia Resource Function Controller  
(MRFC) – Multimedia Resource Function Processor  
(MRFP) Mp interface – Stage 3 (3GPP TS 29.333  
version 11.3.0 Release 11)
- ETSI TS 129334 V 10.6.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IMS Application Level Gateway (IMS-  
ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface  
– Stage 3 (3GPP TS 29.334 version 10.6.0 Release 10)
- ETSI TS 129334 V 11.2.0:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IMS Application Level Gateway (IMS-  
ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface  
– Stage 3 (3GPP TS 29.334 version 11.2.0 Release 11)
- ETSI TS 129337 V 11.3.0:2013  
Universal Mobile Telecommunications System (UMTS) –  
LTE – Diameter-based T4 Interface for communications  
with packet data networks and applications  
(3GPP TS 29.337 version 11.3.0 Release 11)
- ETSI TS 129364 V 9.3.1:2013  
Digital cellular telecommunications system (Phase  
2+) – Universal Mobile Telecommunications System  
(UMTS) – LTE – IP Multimedia Subsystem (IMS)  
Application Server (AS) service data descriptions for  
AS interoperability (3GPP TS 29.364 version 9.3.1  
Release 9)
- ETSI TS 134121-1 V 10.6.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– User Equipment (UE) conformance specification  
– Radio transmission and reception (FDD) – Part 1:  
Conformance specification (3GPP TS 34.121-1 version  
10.6.0 Release 10)
- ETSI TS 134121-2 V 10.7.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– User Equipment (UE) conformance specification  
– Radio transmission and reception (FDD) – Part 2:  
Implementation Conformance Statement (ICS)  
(3GPP TS 34.121-2 version 10.7.0 Release 10)
- ETSI TS 134123-1 V 10.4.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– User Equipment (UE) conformance specification –  
Part 1: Protocol conformance specification  
(3GPP TS 34.123-1 version 10.4.0 Release 10)
- ETSI TS 134123-3 V 10.3.0:2013  
Universal Mobile Telecommunications System (UMTS)  
– User Equipment (UE) conformance specification –  
Part 3: Abstract test suite (ATS) (3GPP TS 34.123-3  
version 10.3.0 Release 10)

- ETSI TS 134229-2 V 10.1.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 10.1.0 Release 10)
- ETSI TS 134229-3 V 9.8.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 9.8.0 Release 9)
- ETSI TS 136211 V 11.3.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 11.3.0 Release 11)
- ETSI TS 136212 V 10.8.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 10.8.0 Release 10)
- ETSI TS 136212 V 11.3.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 11.3.0 Release 11)
- ETSI TS 136213 V 10.10.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 10.10.0 Release 10)
- ETSI TS 136213 V 11.3.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 11.3.0 Release 11)
- ETSI TS 136508 V 10.5.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 10.5.0 Release 10)
- ETSI TS 136509 V 10.1.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 10.1.0 Release 10)
- ETSI TS 136521-2 V 10.6.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 10.6.0 Release 10)
- ETSI TS 136521-2 V 11.1.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 11.1.0 Release 11)
- ETSI TS 136523-1 V 11.2.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 11.2.0 Release 11)
- ETSI TS 136523-2 V 11.3.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 11.3.0 Release 11)
- ETSI TS 136523-3 V 10.3.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 10.3.0 Release 10)
- ETSI TR 136903 V 10.2.0:2013  
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for Radio Resource Management (RRM) conformance tests (3GPP TR 36.903 version 10.2.0 Release 10)
- ETSI TS 137571-1 V 10.4.0:2013  
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 10.4.0 Release 10)
- ETSI TS 144018 V 11.5.0:2013  
Digital cellular telecommunications system (Phase 2+) – Mobile radio interface layer 3 specification – Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 11.5.0 Release 11)
- ETSI TS 144060 V 11.5.0:2013  
Digital cellular telecommunications system (Phase 2+) – General Packet Radio Service (GPRS) – Mobile Station (MS) – Base Station System (BSS) interface – Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 11.5.0 Release 11)
- ETSI TS 148008 V 10.7.0:2013  
Digital cellular telecommunications system (Phase 2+) – Mobile Switching Centre – Base Station system (MSC-BSS) interface – Layer 3 specification (3GPP TS 48.008 version 10.7.0 Release 10)
- ETSI TS 148008 V 11.5.0:2013  
Digital cellular telecommunications system (Phase 2+) – Mobile Switching Centre – Base Station system (MSC-BSS) interface – Layer 3 specification (3GPP TS 48.008 version 11.5.0 Release 11)
- ETSI TS 148018 V 10.8.0:2013  
Digital cellular telecommunications system (Phase 2+) – General Packet Radio Service (GPRS) – Base Station System (BSS) – Serving GPRS Support Node (SGSN) – BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 10.8.0 Release 10)
- ETSI TS 148018 V 11.3.0:2013  
Digital cellular telecommunications system (Phase 2+) – General Packet Radio Service (GPRS) – Base Station System (BSS) – Serving GPRS Support Node (SGSN) – BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 11.3.0 Release 11)
- ETSI TS 151010-1 V 10.4.0:2013  
Digital cellular telecommunications system (Phase 2+) – Mobile Station (MS) conformance specification – Part 1: Conformance specification (3GPP TS 51.010-1 version 10.4.0 Release 10)
- ETSI TS 151010-1 V 11.0.0:2013  
Digital cellular telecommunications system (Phase 2+) – Mobile Station (MS) conformance specification – Part 1: Conformance specification (3GPP TS 51.010-1 version 11.0.0 Release 11)

## 33.100.10 Zračenje

### Europska normizacija

#### ETSI

ETSI TR 103113 V 1.1.1:2013

Electromagnetic compatibility and Radio spectrum Matters (ERM) – System Reference document (SRdoc) – Mobile broadband services in the 2300 MHz – 2400 MHz frequency band under Licensed Shared Access regime

### Međunarodna normizacija

#### IEC

CISPR 15 Interpretation Sheet 1:2013

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment – Interpretation sheet on the assessment of retrofit Extra Low Voltage LED lamps; Interpretation Sheet 1

CISPR 15 Interpretation Sheet 2:2013

Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment – Interpretation sheet to test conditions for wall dimmers; Interpretation Sheet 2

## 33.100.20 Otpornost

### Međunarodna normizacija

#### ISO

ISO 11452-7:20037Amd 1:2013

Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 7: Direct radio frequency (RF) power injection; Amendment 1

#### IEC

IEC 61326-3-2 Interpretation Sheet 1:2013

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety related functions (functional safety) – Industrial applications with specified electromagnetic environment – Interpretation sheet 1

## 33.120.10 Koaksijalni kabeji. Valovodi

### Europska normizacija

#### CENELEC

EN 50117-1:2002/A2:2013

Coaxial cables – Part 1: Generic specification

## 33.120.20 Žice i simetrični kabeji

### Međunarodna normizacija

#### IEC

IEC/TR 61156-1-5:2013

Multicore and symmetrical pair/quad cables for digital communications – Part 1-5: Correction procedures for the measurement results of return loss and input impedance

## 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

### Europska normizacija

#### CENELEC

EN 55013:2013

Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement (CIPSR 13:2009, modified)

### Međunarodna normizacija

#### IEC

IEC 61938:2013

Multimedia systems – Guide to the recommended characteristics of analogue interfaces to achieve interoperability

## 33.160.10 Pojačala

### Europska normizacija

#### CENELEC

EN 60268-3:2013

Sound system equipment – Part 3: Amplifiers (IEC 60268-3:2013)

## 33.170 Televizijski i radijski prijenos

### Europska normizacija

#### ETSI

EN 303084 V 1.1.1:2013

Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB) – Technical characteristics and methods of measurement for ground-based equipment – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

## 33.180.30 Optička pojačala

### Međunarodna normizacija

#### IEC

IEC 62343:2013

Dynamic modules and devices – General and guidance

## 33.180.99 Ostala svjetlovodna oprema

### Međunarodna normizacija

#### IEC

IEC 62496-2-4:2013

Optical circuit boards – Basic test and measurement procedures – Part 2-4: Optical transmission test for optical circuit boards without input/output fibres

## 33.200 Daljinsko upravljanje. Daljinsko mjerenje

### Europska normizacija

#### ETSI

ETSI TS 102689 V 1.2.1:2013

Machine-to-Machine communications (M2M) – M2M service requirements

ETSI TS 102689 V 2.1.1:2013

Machine-to-Machine communications (M2M) – M2M service requirements



- ETSI TS 102690 V 1.2.1:2013  
Machine-to-Machine communications (M2M) –  
Functional architecture
- ETSI TR 102725 V 1.1.1:2013  
Machine-to-Machine communications (M2M) –  
Definitions
- ETSI TS 102921 V 1.2.1:2013  
Machine-to-Machine communications (M2M) – mla,  
dla and mld interfaces

## 35.040 Skupovi znakova i kodiranje informacija

### Međunarodna normizacija ISO/IEC

- ISO/IEC 13818-1:2013  
Information technology – Generic coding of moving  
pictures and associated audio information: Systems
- ISO/IEC 18180:2013  
Information technology – Specification for the  
Extensible Configuration Checklist Description Format  
(XCCDF) Version 1.2
- ISO/IEC 23005-5:2013  
Information technology – Media context and control –  
Part 5: Data formats for interaction devices
- ISO/IEC 24769-2:2013  
Information technology – Real-time locating systems  
(RTLS) device conformance test methods – Part 2: Test  
methods for air interface communication at 2,4 GHz
- ISO/IEC 29192-4:2013  
Information technology – Security techniques –  
Lightweight cryptography – Part 4: Mechanisms using  
asymmetric techniques

## 35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

### Međunarodna normizacija ISO/IEC

- ISO/IEC 1539-1 Technical Corrigendum 2:2013  
Information technology – Programming languages  
– Fortran – Part 1: Base language; Technical  
Corrigendum 2

## 35.080 Softver (programaska podrška)

### Međunarodna normizacija ISO/IEC

- ISO/IEC 15504-6:2013  
Information technology – Process assessment – Part 6:  
An exemplar system life cycle process assessment  
model

## 35.100.70 Sloj primjene

### Međunarodna normizacija ISO/IEC

- ISO/IEC 9594-8:2008/Cor 3:2013  
Information technology – Open Systems Interconnection  
– The Directory: Public-key and attribute certificate  
frameworks; Technical Corrigendum 3
- IEC 62056-5-3:2013  
Electricity metering data exchange – The DLMS/  
COSEM suite – Part 5-3: DLMS/COSEM application  
layer

## 35.110 Umrežavanje

### Međunarodna normizacija ISO/IEC

- ISO/IEC 29182-1:2013  
Information technology – Sensor networks: Sensor  
Network Reference Architecture (SNRA) – Part 1:  
General overview and requirements
- ISO/IEC 29182-2:2013  
Information technology – Sensor networks: Sensor  
Network Reference Architecture (SNRA) – Part 2:  
Vocabulary and terminology

### IEC

- IEC 62673:2013  
Methodology for communication network dependability  
assessment and assurance

## 35.200 Sučelna i spojna oprema

### Međunarodna normizacija IEC

- IEC 62680-4:2013  
Universal Serial Bus interfaces for data and power –  
Part 4: Universal Serial Bus Cables and Connectors  
Class, Document Revision 2.0

## 35.240.15 Identifikacijske kartice i pripadajuće naprave

### Europska normizacija ETSI

- ETSI TS 102268 V 6.1.0:2013  
Smart Cards – Test specification for the UICC  
Application Programming Interface (API) for Java  
Card(TM) (Release 6)
- ETSI TS 102694-2 V 7.4.0:2013  
Smart Cards – Test specification for the Single Wire  
Protocol (SWP) interface – Part 2: UICC features  
(Release 7)
- ETSI TS 102695-1 V 7.3.0:2013  
Smart Cards – Test specification for the Host Controller  
Interface (HCI) – Part 1: Terminal features (Release 7)
- ETSI TS 102695-3 V 7.1.0:2013  
Smart Cards – Test specification for the Host Controller  
Interface (HCI) – Part 3: Host Controller features  
(Release 7)
- ETSI TS 103383 V 12.1.0:2013  
Smart Cards – Embedded UICC – Requirements  
Specification (Release 12)
- ETSI TS 103484-1 V 9.0.0:2013  
Smart Cards – Test specification for the Secure  
Channel interface – Part 1: Terminal features  
(Release 9)
- ETSI TS 103484-2 V 9.0.0:2013  
Smart Cards – Test specification for the Secure  
Channel interface – Part 2: UICC features (Release 9)

### Međunarodna normizacija ISO/IEC

- ISO/IEC 19794-4:2011/Amd 1:2013  
Information technology – Biometric data interchange  
formats – Part 4: Finger image data – Amendment 1:  
Conformance testing methodology and clarification  
of defects

- ISO/IEC 19794-5:2005/Cor 3:2013  
Information technology – Biometric data interchange formats – Part 5: Face image data; Technical Corrigendum 3
- ISO/IEC 24787:2010/Cor 1:2013  
Information technology – Identification cards – On-card biometric comparison; Technical Corrigendum 1

### **35.240.40 Primjene IT-a u bankarstvu**

#### **Međunarodna normizacija ISO**

- ISO 1004-1:2013  
Information processing – Magnetic ink character recognition – Part 1: Print specifications for E13B
- ISO 1004-2:2013  
Information processing – Magnetic ink character recognition – Part 2: Print specifications for CMC7

### **35.240.50 Primjene IT-a u industriji**

#### **Međunarodna normizacija IEC**

- IEC 62264-2:2013  
Enterprise-control system integration – Part 2: Object and attributes for enterprise-control system integration

### **35.240.60 Primjene IT-a u prijevozu i trgovini**

#### **Međunarodna normizacija ISO**

- ISO 8277:2013  
Ships and marine technology – Pipework and machinery – Information transfer
- ISO/TR 14806:2013  
Intelligent transport systems – Public transport requirements for the use of payment applications for fare media
- ISO 15638-2:2013  
Intelligent transport systems – Framework for collaborative Telematics Applications for Regulated commercial freight Vehicles (TARV) – Part 2: Common platform parameters using CALM
- ISO 15638-3:2013  
Intelligent transport systems – Framework for collaborative telematics applications for regulated commercial freight vehicles (TARV) – Part 3: Operating requirements, 'Approval Authority' procedures, and enforcement provisions for the providers of regulated services
- ISO 15638-5:2013  
Intelligent transport systems – Framework for collaborative Telematics Applications for Regulated commercial freight Vehicles (TARV) – Part 5: Generic vehicle information
- ISO 15638-7:2013  
Intelligent transport systems – Framework for collaborative Telematics Applications for Regulated commercial freight Vehicles (TARV) – Part 7: Other applications
- ISO 22839:2013  
Intelligent transport systems – Forward vehicle collision mitigation systems – Operation, performance, and verification requirements

### **35.240.80 Primjene IT-a u tehnologiji zaštite zdravlja**

#### **Europska normizacija CEN**

- EN ISO 21549-1:2013  
Health informatics – Patient healthcard data – Part 1: General structure (ISO 21549-1:2013)

#### **Međunarodna normizacija ISO**

- ISO 21549-1:2013  
Health informatics – Patient healthcard data – Part 1: General structure

### **37.040.10 Fotografaska oprema. Projektori**

#### **Međunarodna normizacija ISO**

- ISO 15739:2013  
Photography – Electronic still-picture imaging – Noise measurements

### **37.040.20 Fotografski papir, filmovi i kazete**

#### **Međunarodna normizacija ISO**

- ISO 18902:2013  
Imaging materials – Processed imaging materials – Albums, framing and storage materials

### **43.040.10 Električna i elektronička oprema**

#### **Međunarodna normizacija ISO**

- ISO 11452-7:20037Amd 1:2013  
Road vehicles – Component test methods for electrical disturbances from narrowband radiated electromagnetic energy – Part 7: Direct radio frequency (RF) power injection; Amendment 1

### **43.040.99 Ostali sustavi u/na cestovnim vozilima**

#### **Međunarodna normizacija ISO**

- ISO 22839:2013  
Intelligent transport systems – Forward vehicle collision mitigation systems – Operation, performance, and verification requirements

### **43.060.40 Sustavi goriva**

#### **Europska normizacija CEN**

- EN ISO 11439:2013  
Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles (ISO 11439:2013)

## **Međunarodna normizacija ISO**

ISO 11439:2013  
Gas cylinders – High pressure cylinders for the on-board storage of natural gas as a fuel for automotive vehicles

### **43.120 Električna cestovna vozila**

## **Međunarodna normizacija ISO**

ISO 23273:2013  
Fuel cell road vehicles – Safety specifications – Protection against hydrogen hazards for vehicles fuelled with compressed hydrogen

### **43.180 Oprema za dijagnostiku, održavanje i ispitivanje**

## **Međunarodna normizacija ISO**

ISO 3560:2013  
Road vehicles – Frontal fixed barrier or pole impact test procedure

ISO 15829:2013  
Road vehicles – Side impact test procedures for the evaluation of occupant interactions with side airbags by pole impact simulation

### **45.020 Željeznička tehnika općenito**

## **Europska normizacija CEN/CENELEC**

CEN-CENELEC Guide 26:2013  
Railway applications – Preparation of standards for urban rail systems design, construction, manufacture, operations and maintenance

### **45.060.01 Željeznička tračnička vozila općenito**

## **Europska normizacija CENELEC**

EN 50382-1:2008/A1:2013  
Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 1: General requirements

EN 50382-2:2008/A1:2013  
Railway applications – Railway rolling stock high temperature power cables having special fire performance – Part 2: Single core silicone rubber insulated cables for 120 °C or 150 °C

### **47.020.01 Opće norme koje se odnose na brodogradnju i pomorske konstrukcije**

## **Međunarodna normizacija ISO**

ISO 129-4:2013  
Technical product documentation (TPD) – Indication of dimensions and tolerances – Part 4: Dimensioning of shipbuilding drawings

### **47.020.30 Cjevovodni sustavi**

## **Međunarodna normizacija ISO**

ISO 8277:2013  
Ships and marine technology – Pipework and machinery – Information transfer

### **47.020.70 Oprema za navigaciju i upravljanje**

## **Međunarodna normizacija ISO**

ISO 13643-1:2013  
Ships and marine technology – Manoeuvring of ships – Part 1: General concepts, quantities and test conditions

ISO 13643-2:2013  
Ships and marine technology – Manoeuvring of ships – Part 2: Turning and yaw checking

ISO 13643-3:2013  
Ships and marine technology – Manoeuvring of ships – Part 3: Yaw stability and steering

ISO 13643-4:2013  
Ships and marine technology – Manoeuvring of ships – Part 4: Stopping, acceleration, traversing

ISO 13643-5:2013  
Ships and marine technology – Manoeuvring of ships – Part 5: Submarine specials

ISO 13643-6:2013  
Ships and marine technology – Manoeuvring of ships – Part 6: Model test specials

## **IEC**

IEC 62388:2013  
Maritime navigation and radiocommunication equipment and systems – Shipborne radar – Performance requirements, methods of testing and required test results

### **47.020.99 Ostale norme koje se odnose na brodogradnju i pomorske konstrukcije**

## **Međunarodna normizacija ISO**

ISO 13073-2:2013  
Ships and marine technology – Risk assessment on anti-fouling systems on ships – Part 2: Marine environmental risk assessment method for anti-fouling systems on ships using biocidally active substances

### **49.140 Svemirski sustavi i operacije**

## **Međunarodna normizacija ISO**

ISO 15887:2013  
Space data and information transfer systems – Lossless data compression

ISO 17807:2013  
Space data and information transfer systems – Asynchronous message service

ISO 17854:2013  
Space data and information transfer systems – Flexible advanced coding and modulation scheme for high rate telemetry applications

ISO 18201:2013  
Space data and information transfer systems – Mission operations reference model

ISO 18202:2013  
Space data and information transfer systems – Mission operations message abstraction layer

ISO 18381:2013  
Space data and information transfer systems – Lossless multispectral and hyperspectral image compression

ISO 18382:2013  
Space data and information transfer systems – Spacecraft onboard interface services – RFID-based inventory management systems

ISO 18423:2013  
Space data and information transfer systems – Pseudo-Noise (PN) Ranging Systems

ISO 18424:2013  
Space data and information transfer systems – XML Telemetric and Command Exchange (XTCE)

ISO 18425:2013  
Space data and information transfer systems – Spacecraft Onboard Interface Services – Subnetwork Packet Service

ISO 18426:2013  
Space data and information transfer systems – Spacecraft Onboard Interface Services – Subnetwork Memory Access Service

ISO 18427:2013  
Space data and information transfer systems – Spacecraft Onboard Interface Services – Subnetwork Synchronization Service

ISO 18428:2013  
Space data and information transfer systems – Spacecraft Onboard Interface Services – Subnetwork Device Discovery Service

ISO 18438:2013  
Space data and information transfer systems – Spacecraft Onboard Interface Services – Subnetwork Test Service

ISO 18439:2013  
Space data and information transfer systems – Space Communication Cross Support – Service Management – Service Specification

ISO 18440:2013  
Space data and information transfer systems – Space Link Extension – Internet Protocol for Transfer Services

ISO 18441:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for Transfer Services – Core Specification

ISO 18442:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for Return All Frames Service

ISO 18443:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for Return Channel Frames Service

ISO 18444:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for Return Operational Control Fields Service

ISO 18445:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for the Forward CLTU Service

ISO 18446:2013  
Space data and information transfer systems – Space Link Extension – Application Program Interface for the Forward Space Packet Service

ISO 22664:2013  
Space data and information transfer systems – TC (telecommand) space data link protocol

ISO 22667:2013  
Space data and information transfer systems – Communications operation procedure-1

ISO 22669:2013  
Space data and information transfer systems – Space link extension (SLE) – Return-all-frames service

ISO 22670:2013  
Space data and information transfer systems – Space link extension (SLE) – Return-channel-frames service

ISO 26143:2013  
Space data and information transfer systems – Space link extension (SLE) – Return operational control fields service

## 53.020.20 Dizalice

### Međunarodna normizacija ISO

ISO 9927-1:2013  
Cranes – Inspections – Part 1: General

## 53.040.20 Sastavni dijelovi za prijenosne trake

### Europska normizacija CEN

EN ISO 16851:2013  
Textile conveyor belts – Determination of the net length of an endless (spliced) conveyor belt (ISO 16851:2012)

## 55.020 Ambalaža, pakiranje i distribucija robe općenito

### Međunarodna normizacija ISO

ISO/TR 17098:2013  
Packaging material recycling – Report on substances and materials which may impede recycling

ISO/TR 17370:2013  
Application Guideline on Data Carriers for Supply Chain Management

## 55.100 Boce. Vrčevi. Lonci

### Međunarodna normizacija ISO

ISO 12818:2013  
Glass packaging – Standard tolerances for flaconnage

## 55.180.10 Kontejneri opće namjene

### Međunarodna normizacija ISO

ISO 1496-1:2013  
Series 1 freight containers – Specification and testing – Part 1: General cargo containers for general purposes



## 55.180.20 Palete opće namjene

### Međunarodna normizacija ISO

ISO/TR 17350:2013  
Direct Marking on Plastic Returnable Transport Items (RTIs)

## 65.060.10 Poljoprivredni traktori i priključna vozila

### Međunarodna normizacija ISO

ISO 5721-1:2013  
Agricultural tractors – Requirements, test procedures and acceptance criteria for the operator's field of vision – Part 1: Field of vision to the front

## 65.060.40 Oprema za njegu biljaka

### Europska normizacija CEN

EN ISO 19932-1:2013  
Equipment for crop protection – Knapsack sprayers – Part 1: Safety and environmental requirements (ISO 19932-1:2013)  
EN ISO 19932-2:2013  
Equipment for crop protection – Knapsack sprayers – Part 2: Test methods (ISO 19932-2:2013)

### Međunarodna normizacija ISO

ISO 16236:2013  
Crop protection equipment – Test method for the determination of drainable volume and its concentration  
ISO 19932-1:2013  
Equipment for crop protection – Knapsack sprayers – Part 1: Safety and environmental requirements  
ISO 19932-2:2013  
Equipment for crop protection – Knapsack sprayers – Part 2: Test methods

## 67.050 Opće metode ispitivanja i analize hrane

### Europska normizacija CEN

EN ISO 24276:2006/A1:2013  
Foodstuffs – Methods of analysis for the detection of genetically modified organisms and derived products – General requirements and definitions (ISO 24276:2006/Amd 1:2013)

## 67.100.10 Mlijeko i obrađeni mliječni proizvodi

### Međunarodna normizacija ISO

ISO 16297:2013  
Milk – Bacterial count – Protocol for the evaluation of alternative methods

## 67.100.30 Sir

### Međunarodna normizacija ISO

ISO 5534:2004/Cor 1:2013  
Cheese and processed cheese – Determination of the total solids content (Reference method); Technical Corrigendum 1

## 71.040.40 Kemijska analiza

### Međunarodna normizacija IEC

IEC 62703:2013  
Expression of performance of fluorometric oxygen analyzers in liquid media

## 75.060 Prirodni plin

### Europska normizacija CEN

EN ISO 13686:2013  
Natural gas – Quality designation (ISO 13686:2013)

### Međunarodna normizacija ISO

ISO 13686:2013  
Natural gas – Quality designation

## 75.160.20 Tekuća goriva

### Europska normizacija CEN

CEN/TR 16514:2013  
Automotive fuels – Unleaded petrol containing more than 3,7 % (m/m) oxygen – Roadmap, test methods, and requirements for E10+ petrol  
CEN/TR 16569:2013  
Automotive fuels – Assessing the effects of E10 petrol on vehicle emissions and performance

## 75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

### Europska normizacija CEN

EN 1360:2013  
Rubber and plastic hoses and hose assemblies for measured fuel dispensing systems – Specification  
EN 13483:2013  
Rubber and plastic hoses and hose assemblies with internal vapour recovery for measured fuel dispensing systems – Specification  
EN 14125:2013  
Thermoplastic and flexible metal pipework for underground installation at petrol filling stations

## 77.040.10 Mehaničko ispitivanje metala

### Europska normizacija CEN

EN ISO 377:2013  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO 377:2013)

**Međunarodna normizacija  
ISO**

ISO 377:2013  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing

**77.060 Korozija metala**

**Europska normizacija  
CEN**

EN 12496:2013  
Galvanic anodes for cathodic protection in seawater and saline mud

**77.080.20 Čelici**

**Međunarodna normizacija  
ISO**

ISO 404:2013  
Steel and steel products – General technical delivery requirements

**77.140.01 Proizvodi od željeznog lijeva i  
čelika općenito**

**Međunarodna normizacija  
ISO**

ISO 377:2013  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing

ISO 404:2013  
Steel and steel products – General technical delivery requirements

ISO 10474:2013  
Steel and steel products – Inspection documents

**77.140.50 Proizvodi i poluproizvodi od  
plosnatog čelika**

**Europska normizacija  
CEN**

EN 10209:2013  
Cold rolled low carbon steel flat products for vitreous enamelling – Technical delivery conditions

**77.150.30 Proizvodi od bakra**

**Europska normizacija  
CEN**

EN 13600:2013  
Copper and copper alloys – Seamless copper tubes for electrical purposes

EN 13601:2013  
Copper and copper alloys – Copper rod, bar and wire for general electrical purposes

EN 13602:2013  
Copper and copper alloys – Drawn, round copper wire for the manufacture of electrical conductors

EN 13604:2013  
Copper and copper alloys – Semiconductor devices, electronic and vacuum products made from high conductivity copper

EN 13605:2013  
Copper and copper alloys – Copper profiles and profiled wire for electrical purposes

**79.060.01 Ploče na osnovi drva općenito**

**Europska normizacija  
CEN**

EN 12871:2013  
Wood-based panels – Determination of performance characteristics for load bearing panels for use in floors, roofs and walls

**79.060.10 Uslojeno drvo**

**Međunarodna normizacija  
ISO**

ISO 12466-1:2007/Amd 1:2013  
Plywood – Bonding quality – Part 1: Test methods; Amendment 1

**79.060.99 Ostale ploče na osnovi drva**

**Europska normizacija  
CEN**

EN 14080:2013  
Timber structures – Glued laminated timber and glued solid timber – Requirements

**Međunarodna normizacija  
ISO**

ISO 18776:2008/Amd 1:2013  
Laminated veneer lumber (LVL) – Specifications; Amendment 1

**81.060.30 Tehnička keramika**

**Međunarodna normizacija  
ISO**

ISO 14544:2013  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at high temperature – Determination of compression properties

**83.040.10 Lateks i sirova guma**

**Međunarodna normizacija  
ISO**

ISO 1629:2013  
Rubber and latices – Nomenclature

**83.060 Guma**

**Međunarodna normizacija  
ISO**

ISO 1629:2013  
Rubber and latices – Nomenclature

**83.140.50 Brtve**

**Međunarodna normizacija  
ISO**

ISO 5892:2013  
Rubber building gaskets – Materials for preformed solid vulcanized structural gaskets – Specification

## 83.180 Adhezivi

### Međunarodna normizacija

#### ISO

ISO 26842-1:2013

Adhesives – Test methods for the evaluation and selection of adhesives for indoor wood products – Part 1: Resistance to delamination in non-severe environments

ISO 26842-2:2013

Adhesives – Test methods for the evaluation and selection of adhesives for indoor wood products – Part 2: Resistance to delamination in severe environments

## 91.060.50 Vrata i prozori

### Europska normizacija

#### CEN

EN 1932:2013

External blinds and shutters – Resistance to wind loads – Method of testing and performance criteria

EN 13330:2013

Shutters – Hard body impact and prevention of access – Test methods

## 91.080.30 Zidarstvo

### Europska normizacija

#### CEN

EN 845-1:2013

Specification for ancillary components for masonry – Part 1: Wall ties, tension straps, hangers and brackets

## 91.080.40 Betonske konstrukcije

### Međunarodna normizacija

#### ISO

ISO 28841:2013

Guidelines for simplified seismic assessment and rehabilitation of concrete buildings

ISO 28842:2013

Guidelines for simplified design of reinforced concrete bridges

## 91.100.01 Građevni materijali općenito

### Europska normizacija

#### CEN

EN ISO 12570:2000/A1:2013

Hygrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature – Amendment 1 (ISO 12570:2000/Amd 1:2013)

### Međunarodna normizacija

#### ISO

ISO 12570:2000/Amd 1:2013

Hygrothermal performance of building materials and products – Determination of moisture content by drying at elevated temperature; Amendment 1

## 91.100.10 Cement. Gips. Vapno. Mort

### Europska normizacija

#### CEN

EN 196-2:2013

Method of testing cement – Part 2: Chemical analysis of cement

## 91.100.15 Mineralni materijali i proizvodi

### Europska normizacija

#### CEN

EN 1097-6:2013

Tests for mechanical and physical properties of aggregates – Part 6: Determination of particle density and water absorption

EN 15286:2013

Agglomerated stone – Slabs and tiles for wall finishes (internal and external)

## 91.100.50 Veziva. Materijali za brtvljenje

### Međunarodna normizacija

#### ISO

ISO 5892:2013

Rubber building gaskets – Materials for preformed solid vulcanized structural gaskets – Specification

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Europska normizacija

#### CEN

EN 16205:2013

Laboratory measurement of walking noise on floors

## 91.140.40 Sustavi opskrbe plinom

### Europska normizacija

#### CEN

EN 16314:2013

Gas meters – Additional functionalities

## 91.140.50 Sustavi opskrbe električnom energijom

### Međunarodna normizacija

#### IEC

IEC 62056-5-3:2013

Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer

## 91.140.70 Sanitarne instalacije

### Europska normizacija

#### CEN

EN 33:2011/AC:2013

WC pans and WC suites – Connecting dimensions

**Međunarodna normizacija**  
**IEC**

- IEC 60335-2-105 AMD 2:2013  
Household and similar electrical appliances – Safety –  
Part 2-105: Particular requirements for multifunctional  
shower cabinets
- IEC 60335-2-105 Edition 1.2:2013  
Household and similar electrical appliances – Safety –  
Part 2-105: Particular requirements for multifunctional  
shower cabinets

**93.030 Vanjski kanalizacijski sustavi**

**Europska normizacija**  
**CEN**

- EN ISO 11297-3:2013  
Plastics piping systems for renovation of underground  
drainage and sewerage networks under pressure –  
Part 3: Lining with close-fit pipes (ISO 11297-3:2013)

**Međunarodna normizacija**  
**ISO**

- ISO 11297-3:2013  
Plastics piping systems for renovation of underground  
drainage and sewerage networks under pressure –  
Part 3: Lining with close-fit pipes

**93.040 Mostogradnja**

**Međunarodna normizacija**  
**ISO**

- ISO 28842:2013  
Guidelines for simplified design of reinforced concrete  
bridges

**93.100 Gradnja željezničkih pruga**

**Europska normizacija**  
**CENELEC**

- EN 50578:2013  
Railway applications – Direct current signalling relays

**93.120 Gradnja zračnih luka**

**Međunarodna normizacija**  
**ISO**

- ISO 20906:2009/Amd 1:2013  
Acoustics – Unattended monitoring of aircraft sound  
in the vicinity of airports; Amendment 1

**97.040.20 Štednjaci, radni stolovi, pećnice  
i slični uređaji**

**Europska normizacija**  
**CENELEC**

- EN 60350-1:2013  
Household electric cooking appliances – Part 1:  
Ranges, ovens, steam ovens and grills – Methods for  
measuring performance (IEC 60350-1:2011, modified  
+ corrigendum Feb. 2012)
- EN 60350-2:2013  
Household electric cooking appliances – Part 2: Hobs  
– Methods for measuring performance  
(IEC 60350-2:2011, modified)

**97.200.50 Igračke**

**Europska normizacija**  
**CEN**

- EN 71-3:2013  
Safety of toys – Part 3: Migration of certain elements
- EN 71-12:2013  
Safety of toys – Part 12: N-Nitrosamines and  
N-nitrosatable substances

**CENELEC**

- EN 62115/A11:2012/AC:2013  
Electric toys – Safety