

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

3/2012 lipanj, 2012.

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

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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- 4.1 Cjenik hrvatskih norma

# Rezultati hrvatske normizacije

## Rezultati hrvatske normizacije

### 1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme.

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

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

- HRN EN ISO 1974:2012 en pr  
Papir – Određivanje otpornosti na cijepanje – Elmendorf metoda (ISO 1974:2012; EN ISO 1974:2012)  
Paper – Determination of tearing resistance – Elmendorf method (ISO 1974:2012; EN ISO 1974:2012)

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

- HRN EN 671-1:2012 en pr  
Stabilni protupožarni sustavi – Hidrantski sustavi – 1. dio: Hidrantska cijevna vitla s polučvrstim cijevima (EN 671-1:2012)  
Fixed firefighting systems – Hose systems – Part 1: Hose reels with semi-rigid hose (EN 671-1:2012)
- HRN EN 671-2:2012 en pr  
Stabilni protupožarni sustavi – Hidrantski sustavi – 2. dio: Hidrantski sustavi s plosnatim cijevima (EN 671-2:2012)  
Fixed firefighting systems – Hose systems – Part 2: Hose systems with lay-flat hose (EN 671-2:2012)

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

- HRN EN 589:2012 en pr  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2008+A1:2012)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2008+A1:2012)
- HRN EN ISO 13032:2012 en pr  
Naftni proizvodi – Određivanje male količine sumpora u motornim gorivima – Energijski disperzivna fluorescencijska spektrometrija rendgenskih zraka (ISO 13032:2012; EN ISO 13032:2012)  
Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2012; EN ISO 13032:2012)
- HRN EN 16144:2012 en pr  
Tekući naftni proizvodi – Određivanje odgode paljenja i izvedenog cetanskog broja (DCN) srednje destilatnih goriva – Vremenski utvrđen raspon injektiranja, metoda izgaranja u komori stalnog obujma (EN 16144:2012)  
Liquid petroleum products – Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels – Fixed range injection period, constant volume combustion chamber method (EN 16144:2012)
- HRI CEN/TR 16366:2012 en pr  
Tekući naftni proizvodi – Srednji destilati i metilni esteri masnih kiselina (FAME), goriva i mješavine – Izvještaj Round Robin ispitivanja o primjenjivosti brze ispitne metode za određivanje oksidacijske stabilnosti male količine uzorka (CEN/TR 16366:2012)

Liquid petroleum products – Middle distillates and fatty acid methyl ester (FAME) fuels and blends – Round Robin report on applicability of Rapid Small Scale Oxidation Test method (CEN/TR 16366:2012)

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

- HRN EN ISO 520:2012 en pr  
Žitarice i mahunarke – Određivanje mase 1000 zrna (ISO 520:2010; EN ISO 520:2010)  
Cereals and pulses – Determination of the mass of 1000 grains (ISO 520:2010; EN ISO 520:2010)

#### HZN/TO 34/PO 17, *Poljoprivredni i prehrambeni proizvodi; Sustavi upravljanja za sigurnost hrane*

- HRN ISO 22006:2012 hr pp  
Sustavi upravljanja kvalitetom – Smjernice za primjenu norme ISO 9001:2008 u proizvodnji usjeva (ISO 22006:2009)  
Quality management systems – Guidelines for the application of ISO 9001:2008 to crop production (ISO 22006:2009)

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

- HRN EN ISO 1518-1:2012 en pr  
Boje i lakovi – Određivanje otpornosti na grebenje – 1. dio: Metoda konstantnog opterećenja (ISO 1518-1:2011; EN ISO 1518-1:2011)  
Paints and varnishes – Determination of scratch resistance – Part 1: Constant-loading method (ISO 1518-1:2011; EN ISO 1518-1:2011)
- HRN EN ISO 1518-2:2012 en pr  
Boje i lakovi – Određivanje otpornosti na grebenje – 2. dio: Metoda promjenjivog opterećenja (ISO 1518-2:2011; EN ISO 1518-2:2011)  
Paints and varnishes – Determination of scratch resistance – Part 2: Variable-loading method (ISO 1518-2:2011; EN ISO 1518-2:2011)
- HRN EN ISO 1519:2012 en pr  
Boje i lakovi – Ispitivanje savijanjem (cilindrično vreteno) (ISO 1519:2011; EN ISO 1519:2011)  
Paints and varnishes – Bend test (cylindrical mandrel) (ISO 1519:2011; EN ISO 1519:2011)
- HRN EN ISO 2811-1:2012 en pr  
Boje i lakovi – Određivanje gustoće – 1. dio: Metoda s piknometrom (ISO 2811-1:2011; EN ISO 2811-1:2011)  
Paints and varnishes – Determination of density – Part 1: Pycnometer method (ISO 2811-1:2011; EN ISO 2811-1:2011)
- HRN EN ISO 2811-2:2012 en pr  
Boje i lakovi – Određivanje gustoće – 2. dio: Metoda uranjanja tijela (viska) (ISO 2811-2:2011; EN ISO 2811-2:2011)  
Paints and varnishes – Determination of density – Part 2: Immersed body (plummet) method (ISO 2811-2:2011; EN ISO 2811-2:2011)
- HRN EN ISO 2811-3:2012 en pr  
Boje i lakovi – Određivanje gustoće – 3. dio: Oscilacijska metoda (ISO 2811-3:2011; EN ISO 2811-3:2011)  
Paints and varnishes – Determination of density – Part 3: Oscillation method (ISO 2811-3:2011; EN ISO 2811-3:2011)
- HRN EN ISO 2811-4:2012 en pr  
Boje i lakovi – Određivanje gustoće – 4. dio: Postupak s tlačnom posudom (ISO 2811-4:2011; EN ISO 2811-4:2011)  
Paints and varnishes – Determination of density – Part 4: Pressure cup method (ISO 2811-4:2011; EN ISO 2811-4:2011)

- HRN EN ISO 8503-1:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 1. dio: Specifikacije i definicije ISO komparatora profila površine za procjenu površina čišćenih mlazom abraziva (ISO 8503-1:2012; EN ISO 8503-1:2012)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 1: Specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces (ISO 8503-1:2012; EN ISO 8503-1:2012)
- HRN EN ISO 8503-2:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 2. dio: Metoda stupnjevanja profila površine čelika čišćenog mlazom abraziva – Postupak s komparatorom (ISO 8503-2:2012; EN ISO 8503-2:2012)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel – Comparator procedure (ISO 8503-2:2012; EN ISO 8503-2:2012)
- HRN EN ISO 8503-3:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 3. dio: Metoda umjeravanja ISO komparatora profila površine i određivanja profila površine – Postupak mikroskopskog fokusiranja (ISO 8503-3:2012; EN ISO 8503-3:2012)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 3: Method for the calibration of ISO surface profile comparators and for the determination of surface profile – Focusing microscope procedure (ISO 8503-3:2012; EN ISO 8503-3:2012)
- HRN EN ISO 8503-4:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 4. dio: Metoda umjeravanja ISO komparatora profila površine i određivanja profila površine – Postupak pomoću instrumenata s iglom (ISO 8503-4:2012; EN ISO 8503-4:2012)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 4: Method for the calibration of ISO surface profile comparators and for the determination of surface profile – Stylus instrument procedure (ISO 8503-4:2012; EN ISO 8503-4:2012)
- HRN EN ISO 10927:2012 en pr  
Plastika – Određivanje molekularne mase i raspodjele molekularne mase polimernih vrsta matricom pomoću laserske desorpcije/ionizacije vremenske masene spektroskopije (MALDI-TOF-MS) (ISO 10927:2011; EN ISO 10927:2011)  
Plastics – Determination of the molecular mass and molecular mass distribution of polymer species by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF-MS) (ISO 10927:2011; EN ISO 10927:2011)
- HRN EN ISO 11127-1:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11127-1:2011; EN ISO 11127-1:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11127-1:2011; EN ISO 11127-1:2011)
- HRN EN ISO 11127-2:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11127-2:2011; EN ISO 11127-2:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11127-2:2011; EN ISO 11127-2:2011)
- HRN EN ISO 11127-3:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 3. dio: Određivanje prividne gustoće (ISO 11127-3:2011; EN ISO 11127-3:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density (ISO 11127-3:2011; EN ISO 11127-3:2011)
- HRN EN ISO 11127-4:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 4. dio: Ocjena tvrdoće ispitivanjem s pomoću stakla (ISO 11127-4:2011; EN ISO 11127-4:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 4: Assessment of hardness by a glass slide test (ISO 11127-4:2011; EN ISO 11127-4:2011)
- HRN EN ISO 11127-5:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 5. dio: Određivanje vlažnosti (ISO 11127-5:2011; EN ISO 11127-5:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture (ISO 11127-5:2011; EN ISO 11127-5:2011)
- HRN EN ISO 11127-6:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 6. dio: Određivanje onečišćenja topljivih u vodi mjerenjem vodljivosti (ISO 11127-6:2011; EN ISO 11127-6:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 6: Determination of water-soluble contaminants by conductivity measurement (ISO 11127-6:2011; EN ISO 11127-6:2011)
- HRN EN ISO 11127-7:2012 en pr  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 7. dio: Određivanje klorida topljivih u vodi (ISO 11127-7:2011; EN ISO 11127-7:2011)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 7: Determination of water-soluble chlorides (ISO 11127-7:2011; EN ISO 11127-7:2011)

HRN EN ISO 12137:2012 en pr  
Boje i lakovi – Određivanje otpornosti na struganje  
(ISO 12137:2011; EN ISO 12137:2011)  
Paints and varnishes – Determination of mar  
resistance (ISO 12137:2011; EN ISO 12137:2011)

### **HZN/TO 43, Akustika**

HRN EN ISO 3382-3:2012 en pr  
Akustika – Mjerenje akustičkih parametara prostorija  
– 3. dio: Prostori bez pregrada (ISO 3382-3:2012;  
EN ISO 3382-3:2012)  
Acoustics – Measurement of room acoustic  
parameters – Part 3: Open plan offices  
(ISO 3382-3:2012; EN ISO 3382-3:2012)

HRN EN ISO 3745:2012 en pr  
Akustika – Određivanje razina zvučne snage i razina  
zvučne energije izvora buke uporabom zvučnoga tlaka  
– Precizne metode u gluhim i polugluhim komorama  
(ISO 3745:2012; EN ISO 3745:2012)  
Acoustics – Determination of sound power levels and  
sound energy levels of noise sources using sound  
pressure – Precision methods for anechoic rooms  
and hemi-anechoic rooms (ISO 3745:2012;  
EN ISO 3745:2012)

HRN EN ISO 8253-3:2012 en pr  
Akustika – Audiometrijske metode ispitivanja – 3. dio:  
Audiometrija govornim signalima (ISO 8253-3:2012;  
EN ISO 8253-3:2012)  
Acoustics – Audiometric test methods – Part 3:  
Speech audiometry (ISO 8253-3:2012;  
EN ISO 8253-3:2012)

### **HZN/TO 69, Primjena statističkih metoda**

HRN ISO 2602:2012 en pr  
Statističko tumačenje ispitnih rezultata – Procjena  
aritmetičke sredine – Interval vjerodostojnosti  
(ISO 2602:1980)  
Statistical interpretation of test results – Estimation  
of the mean – Confidence interval (ISO 2602:1980)

HRN ISO 2854:2012 en pr  
Statističko tumačenje podataka – Tehnike  
procjenjivanja i statistički testovi koje se odnose na  
aritmetičke sredine i varijance (ISO 2854:1976)  
Statistical interpretation of data – Techniques of  
estimation and tests relating to means and variances  
(ISO 2854:1976)

HRN ISO 2859-1:2012 en pr  
Postupci uzorkovanja pri pregledima po obilježjima  
– 1. dio: Sheme uzorkovanja razvrstane prema  
prihvatljivim razinama kvalitete za „lot-by-lot“ pregled  
(ISO 2859-1:1999+Cor 1:2001+Amd 1:2011)  
Sampling procedures for inspection by attributes –  
Part 1: Sampling schemes indexed by acceptance  
quality limit (AQL) for lot-by-lot inspection  
(ISO 2859-1:1999+Cor 1:2001+Amd 1:2011)

HRN ISO 2859-3:2012 en pr  
Postupci uzorkovanja pri pregledima po obilježjima –  
3. dio: „Skip-lot“ postupci uzorkovanja  
(ISO 2859-3:2005)  
Sampling procedures for inspection by attributes –  
Part 3: Skip-lot sampling procedures  
(ISO 2859-3:2005)

HRN ISO 2859-4:2012 en pr  
Postupci uzorkovanja pri pregledima po obilježjima  
– 4. dio: Postupci ocjenjivanja deklariranih razina  
kvalitete (ISO 2859-4:2002)  
Sampling procedures for inspection by attributes –  
Part 4: Procedures for assessment of declared quality  
levels (ISO 2859-4:2002)

HRN ISO 2859-5:2012 en pr  
Postupci uzorkovanja pri pregledima po obilježjima  
– 5. dio: Sustav planova redosljedna uzorkovanja  
razvrstanih u odnosu na prihvatljivu razinu kvalitete  
(AQL) za preglede „lot-by-lot“ (ISO 2859-5:2005)

Sampling procedures for inspection by attributes –  
Part 5: System of sequential sampling plans indexed  
by acceptance quality limit (AQL) for lot-by-lot  
inspection (ISO 2859-5:2005)

HRN ISO 3301:2012 en pr  
Statističko tumačenje podataka – Usporedba dviju  
aritmetičkih sredina u slučaju parova opažaja  
(ISO 3301:1975)  
Statistical interpretation of data – Comparison of two  
means in the case of paired observations  
(ISO 3301:1975)

HRN ISO 3494:2012 en pr  
Statističko tumačenje podataka – Snaga statističkih  
testova koji se odnose na aritmetičke sredine i  
varijance (ISO 3494:1976)  
Statistical interpretation of data – Power of tests  
relating to means and variances (ISO 3494:1976)

HRN ISO 3951-1:2012 en pr  
Postupci uzorkovanja pri pregledima po varijablama –  
1. dio: Specifikacije planova jednostrukih uzorkovanja  
razvrstanih u odnosu na prihvatljivu razinu kvalitete  
(„AQL“) za preglede „lot-by-lot“ za jednu značajku  
kvalitete i jedan „AQL“ (ISO 3951-1:2005)  
Sampling procedures for inspection by variables  
– Part 1: Specification for single sampling plans  
indexed by acceptance quality limit (AQL) for lot-by-  
lot inspection for a single quality characteristic and a  
single AQL (ISO 3951-1:2005)

HRN ISO 3951-5:2012 en pr  
Postupci uzorkovanja pri pregledima po varijablama –  
5. dio: Planovi sekvencijskog uzorkovanja indeksirani  
u odnosu na prihvatljivu razinu kvalitete („AQL“) pri  
pregledu po varijablama (za poznatu standardnu  
devijaciju) (ISO 3951-5:2006)  
Sampling procedures for inspection by variables –  
Part 5: Sequential sampling plans indexed by  
acceptance quality limit (AQL) for inspection by  
variables (known standard deviation)  
(ISO 3951-5:2006)

HRN ISO 5479:2012 en pr  
Statističko tumačenje podataka – Ispitivanja  
odstupanja od normalne razdiobe (ISO 5479:1997)  
Statistical interpretation of data – Tests for departure  
from the normal distribution (ISO 5479:1997)

HRN ISO 7870-1:2012 en pr  
Kontrolni dijagrami – 1. dio: Opće smjernice  
(ISO 7870-1:2007)  
Control charts – Part 1: General guidelines  
(ISO 7870-1:2007)

HRN ISO 8423:2012 en pr  
Planovi sekvencijskog uzorkovanja pri pregledu po  
varijablama za postotnu neusklađenost (za poznatu  
standardnu devijaciju) (ISO 8423:2008)  
Sequential sampling plans for inspection by variables  
for percent nonconforming (known standard deviation)  
(ISO 8423:2008)

HRI ISO/TR 8550-1:2012 en pr  
Smjernice za odabir i uporabu sustava uzorkovanja  
za prihvaćanje pri pregledima pojedinačnih dijelova u  
lotu – 1. dio: Uzorkovanje za prihvaćanje  
(ISO/TR 8550-1:2007)  
Guidance on the selection and usage of acceptance  
sampling systems for inspection of discrete items in  
lots – Part 1: Acceptance sampling  
(ISO/TR 8550-1:2007)

HRI ISO/TR 8550-2:2012 en pr  
Upute za odabir i uporabu sustava uzorkovanja za  
prihvaćanje pri pregledima pojedinačnih dijelova u  
lotu – 2. dio: Uzorkovanje po obilježjima  
(ISO/TR 8550-2:2007)  
Guidance on the selection and usage of acceptance  
sampling systems for inspection of discrete items in  
lots – Part 2: Sampling by attributes  
(ISO/TR 8550-2:2007)



- HRI ISO/TR 8550-3:2012 en pr  
Upute za odabir i uporabu sustava uzorkovanja za prihvaćanje pri pregledima pojedinačnih dijelova u lotu – 3. dio: Uzorkovanje po varijablama (ISO/TR 8550-3:2007)  
Guidance on the selection and usage of acceptance sampling systems for inspection of discrete items in lots – Part 3: Sampling by variables (ISO/TR 8550-3:2007)
- HRN ISO 10576-1:2012 en pr  
Statističke metode – Smjernice za vrednovanje usklađenosti s utvrđenim zahtjevima – 1. dio: Opća načela (ISO 10576-1:2003)  
Statistical methods – Guidelines for the evaluation of conformity with specified requirements – Part 1: General principles (ISO 10576-1:2003)
- HRN ISO 10725:2012 en pr  
Prihvaćanje planova uzorkovanja i postupaka za pregled rasutih materijala (ISO 10725:2000)  
Acceptance sampling plans and procedures for the inspection of bulk materials (ISO 10725:2000)
- HRN ISO 11095:2012 en pr  
Linearna kalibracija uporabom referentnih materijala (ISO 11095:1996)  
Linear calibration using reference materials (ISO 11095:1996)
- HRN ISO 11453:2012 en pr  
Statističko tumačenje podataka – Statistički testovi i intervali vjerodostojnosti koje se odnose na proporcije (ISO 11453:1996+Cor 1:1999)  
Statistical interpretation of data – Tests and confidence intervals relating to proportions (ISO 11453:1996+Cor 1:1999)
- HRN ISO 11462-1:2012 en pr  
Smjernice za primjenu statističke kontrole procesa („SPC“) – 1. dio: Elementi „SPC“-a (ISO 11462-1:2001)  
Guidelines for implementation of statistical process control (SPC) – Part 1: Elements of SPC (ISO 11462-1:2001)
- HRN ISO 11648-1:2012 en pr  
Statistički aspekti uzorkovanja rasutih materijala – 1. dio: Opća načela (ISO 11648-1:2003)  
Statistical aspects of sampling from bulk materials – Part 1: General principles (ISO 11648-1:2003)
- HRN ISO 11648-2:2012 en pr  
Statistički aspekti uzorkovanja rasutih materijala – 2. dio: Uzorkovanje zrnatih materijala (ISO 11648-2:2001)  
Statistical aspects of sampling from bulk materials – Part 2: Sampling of particulate materials (ISO 11648-2:2001)
- HRN ISO 11843-5:2012 en pr  
Sposobnost detekcije – 5. dio: Metodologija u slučajevima linearne i nelinearne kalibracije (ISO 11843-5:2008)  
Capability of detection – Part 5: Methodology in the linear and non-linear calibration cases (ISO 11843-5:2008)
- HRN ISO 13448-1:2012 en pr  
Prihvaćanje postupaka uzorkovanja koji se temelje na načelu dodjele prioriteta („APP“) – 1. dio: Smjernice za „APP“ pristup (ISO 13448-1:2005)  
Acceptance sampling procedures based on the allocation of priorities principle (APP) – Part 1: Guidelines for the APP approach (ISO 13448-1:2005)
- HRN ISO 13448-2:2012 en pr  
Prihvaćanje postupaka uzorkovanja koji se temelje na načelu dodjele prioriteta („APP“) – 2. dio: Koordinirani planovi jednostrukog uzorkovanja za prihvaćanje uzorkovanja po obilježjima (ISO 13448-2:2004)  
Acceptance sampling procedures based on the allocation of priorities principle (APP) – Part 2: Coordinated single sampling plans for acceptance sampling by attributes (ISO 13448-2:2004)
- HRN ISO 13528:2012 en pr  
Statističke metode pri ispitivanju sposobnosti putem međulaboratorijskih usporedbi (ISO 13528:2005)  
Statistical methods for use in proficiency testing by interlaboratory comparisons (ISO 13528:2005)
- HRN ISO 14560:2012 en pr  
Prihvaćanje postupaka uzorkovanja po obilježjima – Specificirane razine kvalitete u mjeri nesukladnih dijelova na milijun (ISO 14560:2004)  
Acceptance sampling procedures by attributes – Specified quality levels in nonconforming items per million (ISO 14560:2004)
- HRN ISO 16269-6:2012 en pr  
Statističko tumačenje podataka – 6. dio: Određivanje statističkih intervala tolerancija (ISO 16269-6:2005)  
Statistical interpretation of data – Part 6: Determination of statistical tolerance intervals (ISO 16269-6:2005)
- HRN ISO 16269-7:2012 en pr  
Statističko tumačenje podataka – 7. dio: Medijan – Procjenjivanje i intervali vjerodostojnosti (ISO 16269-7:2001)  
Statistical interpretation of data – Part 7: Median – Estimation and confidence intervals (ISO 16269-7:2001)
- HRN ISO 16269-8:2012 en pr  
Statističko tumačenje podataka – 8. dio: Određivanje intervala predviđanja (ISO 16269-8:2004)  
Statistical interpretation of data – Part 8: Determination of prediction intervals (ISO 16269-8:2004)
- HRN ISO 22514-3:2012 en pr  
Statističke metode pri upravljanju procesima – Sposobnost i izvedba – 3. dio: Analiza rada strojeva na temelju podataka mjerenja na pojedinačnim dijelovima (ISO 22514-3:2008)  
Statistical methods in process management – Capability and performance – Part 3: Machine performance studies for measured data on discrete parts (ISO 22514-3:2008)
- HRI ISO/TR 22514-4:2012 en pr  
Statističke metode pri upravljanju procesima – Sposobnost i izvedba – 4. dio: Procjene sposobnosti procesa i mjere izvedbe (ISO/TR 22514-4:2007)  
Statistical methods in process management – Capability and performance – Part 4: Process capability estimates and performance measures (ISO/TR 22514-4:2007)
- HRI ISO/TR 22971:2012 en pr  
Točnost (istinitost i preciznost) mjernih metoda i rezultata – Praktične upute za uporabu ISO 5725-2:1994 u osmišljavanju, primjeni i statističkome analiziranju ponovljivosti i obnovljivosti rezultata putem međulaboratorijskih usporedbi (ISO/TR 22971:2005)  
Accuracy (trueness and precision) of measurement methods and results – Practical guidance for the use of ISO 5725-2:1994 in designing, implementing and statistically analysing interlaboratory repeatability and reproducibility results (ISO/TR 22971:2005)
- HRI ISO/TR 29901:2012 en pr  
Izabrani prikazi potpunih faktorskih eksperimenata s četiri faktora (ISO/TR 29901:2007+Cor 1:2009)  
Selected illustrations of full factorial experiments with four factors (ISO/TR 29901:2007+Cor 1:2009)

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

- HRN EN 325:2012 en pr  
Ploče na osnovi drva – Određivanje dimenzija ispitnih uzoraka (EN 325:2012)  
Wood-based panels – Determination of dimensions of test pieces (EN 325:2012)

## HZN/TO 92, *Zaštita od požara*

- HRS CEN/TS 1187:2012 en pr  
Metode ispitivanja za izloženost krovova požaru izvana (CEN/TS 1187:2012)  
Test methods for external fire exposure to roofs (CEN/TS 1187:2012)
- HRN EN 15882-1:2012 en pr  
Proširena primjena rezultata ispitivanja otpornosti na požar servisnih instalacija – 1. dio: Kanali (EN 15882-1:2011)  
Extended application of results from fire resistance tests for service installations – Part 1: Ducts (EN 15882-1:2011)
- HRN EN 15882-4:2012 en pr  
Proširena primjena rezultata ispitivanja otpornosti na požar servisnih instalacija – 4. dio: Brtve linearnih spojeva (EN 15882-4:2012)  
Extended application of results from fire resistance tests for service installations – Part 4: Linear joint seals (EN 15882-4:2012)

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

- HRN ISO 14839-4:2012 en pr  
Mehaničke vibracije – Vibracije rotacijskih strojeva s aktivnim magnetskim ležajima – 4. dio: Tehničke smjernice (ISO 14839-4:2012)  
Mechanical vibration – Vibration of rotating machinery equipped with active magnetic bearings – Part 4: Technical guidelines (ISO 14839-4:2012)
- HRN EN 30326-1:2000/A2:2012 en pr  
Mehaničke vibracije – Laboratorijska metoda vrednovanja vibracija sjedala vozila – 1. dio: Osnovni zahtjevi – Amandman 2 (ISO 10326-1:1992/Amd 2:2011; EN 30326-1:1994/A2:2011)  
Mechanical vibration – Laboratory method for evaluating vehicle seat vibration – Part 1: Basic requirements – Amendment 2 (ISO 10326-1:1992/Amd 2:2011; EN 30326-1:1994/A2:2011)

## HZN/TO 120, *Koža i obuća*

- HRN EN 14906:2012 en pr  
Koža – Koža za vozila – Metode ispitivanja i parametri ispitivanja (EN 14906:2012)  
Leather – Leather for automotive – Test methods and testing parameters (EN 14906:2012)
- HRN EN ISO 17076-1:2012 en pr  
Koža – Određivanje otpornosti na habanje – 1. dio: Metoda po Taberu (ISO 17076-1:2012; EN ISO 17076-1:2012)  
Leather – Determination of abrasion resistance – Part 1: Taber method (ISO 17076-1:2012; EN ISO 17076-1:2012)
- HRN EN ISO 26082-1:2012 en pr  
Koža – Fizikalne i mehaničke metode ispitivanja za određivanje zaprljanja – 1. dio: Metoda trljanja (Martindale) (ISO 26082-1:2012; EN ISO 26082-1:2012)  
Leather – Physical and mechanical test method for the determination of soiling – Part 1: Rubbing (Martindale) method (ISO 26082-1:2012; EN ISO 26082-1:2012)

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

- HRN EN 1865-4:2012 en pr  
Oprema za postupanje s bolesnikom koja se upotrebljava u cestovnim ambulantskim vozilima – 4. dio: Sklopiva prijenosna stolica (EN 1865-4:2012)  
Patient handling equipment used in road ambulances – Part 4: Foldable patient transfer chair (EN 1865-4:2012)
- HRN EN ISO 80601-2-55:2012 en pr  
Medicinski električni uređaji – Dio 2-55: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za praćenje dišnih plinova (ISO 80601-2-55:2011; EN ISO 80601-2-55:2011)

Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (ISO 80601-2-55:2011; EN ISO 80601-2-55:2011)

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

- HRS CEN/TS 13598-3:2012 en pr  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 3. dio: Upute za ocjenjivanje sukladnosti (CEN/TS 13598-3:2012)  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride)(PVC-U), polypropylene (PP) and polyethylene (PE) – Part 3: Guidance for assessment of conformity (CEN/TS 13598-3:2012)
- HRN EN 14758-1:2012 en pr  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen s mineralnim modifikatorima (PP-MD) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 14758-1:2012)  
Plastics piping systems for non-pressure underground drainage and sewerage – Polypropylene with mineral modifiers (PP-MD) – Part 1: Specifications for pipes, fittings and the system (EN 14758-1:2012)

## HZN/TO 145, *Grafički simboli*

- HRN EN ISO 81714-1:2012 en pr  
Oblikovanje grafičkih simbola koji se upotrebljavaju u tehničkoj dokumentaciji proizvoda – 1. dio: Osnovna pravila (ISO 81714-1:2010; EN ISO 81714-1:2010)  
Design of graphical symbols for use in the technical documentation of products – Part 1: Basic rules (ISO 81714-1:2010; EN ISO 81714-1:2010)

## HZN/TO 146, *Kvaliteta zraka*

- HRN EN 482:2012 en pr  
Profesionalna izloženost – Opći zahtjevi za provođenje postupaka mjerenja kemijskih tvari (EN 482:2012)  
Workplace exposure – General requirements for the performance of procedures for the measurement of chemical agents (EN 482:2012)
- HRN ISO 12039:2012 en pr  
Emisije iz stacionarnih izvora – Određivanje ugljikova monoksida, ugljikova dioksida i kisika – Značajke automatskih mjernih sustava i njihova kalibracija (ISO 12039:2001)  
Stationary source emissions – Determination of carbon monoxide, carbon dioxide and oxygen – Performance characteristics and calibration of automated measuring systems (ISO 12039:2001)
- HRN EN ISO 13138:2012 en pr  
Air quality – Sampling conventions for airborne particle deposition in the human respiratory system (ISO 13138:2012; EN ISO 13138:2012)

## HZN/TO 147/PO 2, *Kvaliteta vode; Fizikalno-kemijske metode ispitivanja*

- HRN EN ISO 12846:2012 en pr  
Kvaliteta vode – Određivanje žive – Metoda atomske apsorpcijske spektrometrije (AAS) sa i bez obogaćenja (ISO 12846:2012; EN ISO 12846:2012)  
Water quality – Determination of mercury – Method using atomic absorption spectrometry (AAS) with and without enrichment (ISO 12846:2012; EN ISO 12846:2012)

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

- HRN EN 16150:2012 en pr  
Kvaliteta vode – Smjernice za ravnomjerno uzorkovanje bentoskih makrobekralježnjaka u plitkim rječicama prema zastupljenosti različitih staništa (EN 16150:2012)  
Water quality – Guidance on pro-rata Multi-Habitat sampling of benthic macro-invertebrates from wadeable rivers (EN 16150:2012)

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

- HRN EN ISO 9241-143:2012 en pr  
Ergonomija međudjelovanja čovjek-sustav – 143. dio: Oblici (ISO 9241-143:2012; EN ISO 9241-143:2012)  
Ergonomics of human-system interaction – Part 143: Forms (ISO 9241-143:2012; EN ISO 9241-143:2012)
- HRN EN ISO 9241-303:2012 en pr  
Ergonomija međudjelovanja čovjek-sustav – 303. dio: Zahtjevi za zaslone (ISO 9241-303:2011; EN ISO 9241-303:2011)  
Ergonomics of human-system interaction – Part 303: Requirements for electronic visual displays (ISO 9241-303:2011; EN ISO 9241-303:2011)
- HRN EN ISO 28802:2012 en pr  
Ergonomija fizičkog okruženja – Procjena okoliša pomoću istraživanja okoliša uključujući fizikalna mjerenja okoliša i subjektivne odgovore ljudi (ISO 28802:2012; EN ISO 28802:2012)  
Ergonomics of the physical environment – Assessment of environments by means of an environmental survey involving physical measurements of the environment and subjective responses of people (ISO 28802:2012; EN ISO 28802:2012)
- HRN EN ISO 28803:2012 en pr  
Ergonomija fizičkog okruženja – Primjena međunarodnih norma na osobe s posebnim potrebama (ISO 28803:2012; EN ISO 28803:2012)  
Ergonomics of the physical environment – Application of international standards to people with special requirements (ISO 28803:2012; EN ISO 28803:2012)

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

- HRI CEN/TR 15601:2012 en pr  
Ponašanje zgrada s obzirom na toplinu i vlagu – Otpornost krovnih obloga s diskontinuirano položenim malim elementima na kišu nošenu vjetrom – Metoda ispitivanja (CEN/TR 15601:2012)  
Hygrothermal performance of buildings – Resistance to wind-driven rain of roof coverings with discontinuously laid small elements – Test methods (CEN/TR 15601:2012)

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

- HRN EN 1912:2012 en pr  
Drvene konstrukcije – Razredi čvrstoća – Pridruživanje razreda vizualnim razvrstavanjem i prema vrsti (EN 1912:2012)  
Structural Timber – Strength classes – Assignment of visual grades and species (EN 1912:2012)
- HRN EN 14081-3:2012 en pr  
Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 3. dio: Strojno razvrstavanje; dodatni zahtjevi za tvorničku kontrolu proizvodnje (EN 14081-3:2012)  
Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading; additional requirements for factory production control (EN 14081-3:2012)

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

- HRN EN ISO 21254-1:2012 en pr  
Laseri i pridružena oprema – Metode ispitivanja za pragove oštećenja izazvanih laserom – 1. dio: Definicije i opća načela (ISO 21254-1:2011; EN ISO 21254-1:2011)  
Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 1: Definitions and general principles (ISO 21254-1:2011; EN ISO 21254-1:2011)
- HRN EN ISO 21254-2:2012 en pr  
Laseri i pridružena oprema – Metode ispitivanja za pragove oštećenja izazvanih laserom – 2. dio: Određivanje pragova (ISO 21254-2:2011; EN ISO 21254-2:2011)  
Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 2: Threshold determination (ISO 21254-2:2011; EN ISO 21254-2:2011)
- HRN EN ISO 21254-3:2012 en pr  
Laseri i pridružena oprema – Ispitne metode za pragove oštećenja izazvanih laserom – 3. dio: Osiguravanje sposobnosti upravljanja snagom lasera (energije) (ISO 21254-3:2011; EN ISO 21254-3:2011)  
Lasers and laser-related equipment – Test methods for laser-induced damage threshold – Part 3: Assurance of laser power (energy) handling capabilities (ISO 21254-3:2011; EN ISO 21254-3:2011)

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

- HRN EN 1745:2012 en pr  
Zidovi i proizvodi za zidanje – Metode određivanja toplinskih svojstava (EN 1745:2012)  
Masonry and masonry products – Methods for determining thermal properties (EN 1745:2012)

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

- HRN EN 1930:2012 en pr  
Proizvodi za dojenčad i malu djecu – Sigurnosne ograde – Sigurnosni zahtjevi i metode ispitivanja (EN 1930:2011)  
Child use and care articles – Safety barriers – Safety requirements and test methods (EN 1930:2011)

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

- HRN EN ISO 19258:2012 en pr  
Kvaliteta tla – Smjernice u određivanju pozadinskih vrijednosti (ISO 19258:2005; EN ISO 19258:2011)  
Soil quality – Guidance on the determination of background values (ISO 19258:2005; EN ISO 19258:2011)

## **HZN/TO 196, *Prirodni kamen***

- HRN EN 1467:2012 en pr  
Prirodni kamen – Sirovi blokovi – Zahtjevi (EN 1467:2012)  
Natural stone – Rough blocks – Requirements (EN 1467:2012)
- HRN EN 1468:2012 en pr  
Prirodni kamen – Sirove ploče – Zahtjevi (EN 1468:2012)  
Natural stone – Rough slabs – Requirements (EN 1468:2012)
- HRN EN 14617-4:2012 en pr  
Kameni aglomerat – Ispitne metode – 4. dio: Određivanje otpornosti na abraziju (EN 14617-4:2012)  
Agglomerated stone – Test methods – Part 4: Determination of the abrasion resistance (EN 14617-4:2012)



- HRN EN 14617-5:2012 en pr  
Kameni aglomerat – Ispitne metode – 5. dio:  
Određivanje otpornosti na zamrzavanje i odmrzavanje  
(EN 14617-5:2012)  
Agglomerated stone – Test methods – Part 5:  
Determination of freeze and thaw resistance  
(EN 14617-5:2012)
- HRN EN 14617-6:2012 en pr  
Kameni aglomerat – Ispitne metode – 6. dio:  
Određivanje otpornosti na toplinski šok  
(EN 14617-6:2012)  
Agglomerated stone – Test methods – Part 6:  
Determination of thermal shock resistance  
(EN 14617-6:2012)
- HRN EN 14617-10:2012 en pr  
Kameni aglomerat – Ispitne metode – 10. dio:  
Određivanje otpornosti na kemikalije  
(EN 14617-10:2012)  
Agglomerated stone – Test methods – Part 10:  
Determination of chemical resistance  
(EN 14617-10:2012)
- HRN EN 14617-12:2012 en pr  
Kameni aglomerat – Ispitne metode – 12. dio:  
Određivanje postojanosti dimenzija  
(EN 14617-12:2012)  
Agglomerated stone – Test methods – Part 12:  
Determination of dimensional stability  
(EN 14617-12:2012)

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

- HRN EN ISO 14021:2008/A1:2012 en pr  
Oznake i izjave za područje okoliša – Samodeklarirane  
oznake o utjecaju na okoliš (Označivanje povezano  
s okolišem tipa II) – Amandman 1 (ISO 14021:1999/  
Amd 1:2011; EN ISO 14021:2001/A1:2011)  
Environmental labels and declarations – Self-declared  
environmental claims (Type II environmental labelling)  
– Amendment 1 (ISO 14021:1999/Amd 1:2011;  
EN ISO 14021:2001/A1:2011)
- HRN EN ISO 14045:2012 en pr  
Upravljanje okolišem – Procjena ekoučinkovitosti za  
sustave proizvoda – Načela, zahtjevi i smjernice  
(ISO 14045:2012; EN ISO 14045:2012)  
Environmental management – Eco-efficiency  
assessment of product systems – Principles,  
requirements and guidelines (ISO 14045:2012;  
EN ISO 14045:2012)
- HRN EN ISO 14051:2012 en pr  
Upravljanje okolišem – Obračun troškova protoka  
materijala – Opći okvir (ISO 14051:2011;  
EN ISO 14051:2011)  
Environmental management – Material flow cost  
accounting – General framework (ISO 14051:2011;  
EN ISO 14051:2011)

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

- HRN EN ISO 12052:2012 en pr  
Medicinska informatika – Digitalne slike i komunikacija  
u medicini (DICOM), uključujući hodograme i  
upravljanje podacima (ISO 12052:2006;  
EN ISO 12052:2011)  
Health informatics – Digital imaging and communication  
in medicine (DICOM) including workflow and data  
management (ISO 12052:2006; EN ISO 12052:2011)
- HRN EN ISO 12967-1:2012 en pr  
Medicinska informatika – Arhitektura usluga – 1. dio:  
Poslovno gledište (ISO 12967-1:2009;  
EN ISO 12967-1:2011)  
Health informatics – Service architecture – Part 1:  
Enterprise viewpoint (ISO 12967-1:2009;  
EN ISO 12967-1:2011)

- HRN EN ISO 12967-2:2012 en pr  
Medicinska informatika – Arhitektura usluga – 2. dio:  
Informacijsko gledište (ISO 12967-2:2009;  
EN ISO 12967-2:2011)  
Health informatics – Service architecture – Part 2:  
Information viewpoint (ISO 12967-2:2009;  
EN ISO 12967-2:2011)
- HRN EN ISO 12967-3:2012 en pr  
Medicinska informatika – Arhitektura usluga –  
3. dio: Računalno gledište (ISO 12967-3:2009;  
EN ISO 12967-3:2011)  
Health informatics – Service architecture – Part 3:  
Computational viewpoint (ISO 12967-3:2009;  
EN ISO 12967-3:2011)
- HRN EN ISO 27953-1:2012 en pr  
Medicinska informatika – Sigurnosno izvješće o  
pojedinačnome slučaju (ICSR) – 1. dio: Radni okvir za  
prijavljivanje neželjenih događaja (ISO 27953-1:2011;  
EN ISO 27953-1:2011)  
Health informatics – Individual case safety reports  
(ICSRs) in pharmacovigilance – Part 1: Framework for  
adverse event reporting (ISO 27953-1:2011;  
EN ISO 27953-1:2011)
- HRN EN ISO 27953-2:2012 en pr  
Medicinska informatika – Sigurnosno izvješće o  
pojedinačnome slučaju (ICSR) – 2. dio: Zahtjevi za  
prijavljivanje sigurnosnoga izvješća o pojedinačnom  
slučaju (ICSR) ) pri uporabi humanih lijekova  
(ISO 27953-2:2011; EN ISO 27953-2:2011)  
Health informatics – Individual case safety reports  
(ICSRs) in pharmacovigilance – Part 2: Human  
pharmaceutical reporting requirements for ICSR  
(ISO 27953-2:2011; EN ISO 27953-2:2011)

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

- HRN EN ISO 11930:2012 en pr  
Kozmetika – Mikrobiologija – Vrednovanje  
antimikrobne zaštite kozmetičkog proizvoda  
(ISO 11930:2012; EN ISO 11930:2012)  
Cosmetics – Microbiology – Evaluation of the  
antimicrobial protection of a cosmetic product  
(ISO 11930:2012; EN ISO 11930:2012)
- HRN EN ISO 24442:2012 en pr  
Kozmetika – Metode određivanja zaštitnih faktora – In  
vivo određivanje UVA zaštitnih faktora  
(ISO 24442:2011; EN ISO 24442:2011)  
Cosmetics – Sun protection test methods – In vivo  
determination of sunscreen UVA protection  
(ISO 24442:2011; EN ISO 24442:2011)

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

- HRN EN 13629:2012 en pr  
Drveni podovi – Masivni i lijepljeni podni elementi od  
drva listača (EN 13629:2012)  
Wood flooring – Solid individual and pre-assembled  
hardwood boards (EN 13629:2012)
- HRS CEN/TS 15912:2012 en pr  
Postojanost u požaru – Razredi usporivačima gorenja  
obrađenoga drva i proizvoda na osnovi drva za  
unutarnju i vanjsku uporabu (CEN/TS 15912:2012)  
Durability of reaction to fire performance – Classes of  
fire-retardant treated wood-based product in interior  
and exterior end use applications  
(CEN/TS 15912:2012)

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

- HRN EN 10169:2012 en pr  
Kontinuirano organski prevučeni (prevučeni koluti)  
plosnati čelični proizvodi – Tehnički uvjeti isporuke  
(EN 10169:2010+A1:2012)  
Continuously organic coated (coil coated) steel flat  
products – Technical delivery conditions  
(EN 10169:2010+A1:2012)

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

HRN EN ISO 12696:2012 en pr  
Katodna zaštita čelika u betonu (ISO 12696:2012;  
EN ISO 12696:2012)  
Cathodic protection of steel in concrete  
(ISO 12696:2012; EN ISO 12696:2012)

## HZN/TO 508, *Ambalaža i pakiranje*

HRN EN 15387:2012 en pr  
Ambalaža – Savitljive višeslojne tube – Postupci  
ispitivanja čvrstoće uzdužnoga spoja (EN 15387:2011)  
Packaging – Flexible laminate tubes – Test methods to  
assess the strength of the side seam (EN 15387:2011)

HRN EN 16063:2012 en pr  
Ambalaža – Kruti plastični spremnici – Nomenklatura  
plastičnih grla (EN 16063:2011)  
Packaging – Rigid plastic containers – Nomenclature  
of plastic finishes (EN 16063:2011)

HRN EN 16064:2012 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo 30/25,  
visoko (18,5) (EN 16064:2011)  
Packaging – Rigid plastic containers – PET finish  
30/25 High (18,5) (EN 16064:2011)

HRN EN 16065:2012 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo 30/25,  
nisko (16,8) (EN 16065:2011)  
Packaging – Rigid plastic containers – PET finish  
30/25 Low (16,8) (EN 16065:2011)

HRN EN 16066:2012 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo 26,7  
(koraka P x n vojnih navoja 6,35) (EN 16066:2011)  
Packaging – Rigid plastic containers – PET finish 26,7  
(lead 6,35) (EN 16066:2011)

HRN EN 16067:2012 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo 26,7  
(koraka P x n vojnih navoja 9,00) (EN 16067:2011)  
Packaging – Rigid plastic containers – PET finish 26,7  
(lead 9,00) (EN 16067:2011)

HRN EN 16068:2012 en pr  
Ambalaža – Kruti plastični spremnici – PET grlo 38  
(EN 16068:2011)  
Packaging – Rigid plastic containers – PET finish 38  
(EN 16068:2011)

## HZN/TO 509, *Cestovna oprema*

HRS CEN/TS 1317-8:2012 en pr  
Zaštitni cestovni sustavi – 8. dio: Cestovni sustavi za  
motocikliste koji smanjuju utjecaj težine motociklista  
u sudaru sa sigurnosnom preprekom  
(CEN/TS 1317-8:2012)  
Road restraint systems – Part 8: Motorcycle road  
restraint systems which reduce the impact severity of  
motorcyclist collisions with safety barriers  
(CEN/TS 1317-8:2012)

HRN EN 1423:2012 en pr  
Materijali za oznake na kolniku – Dodaci – Staklene  
kuglice i protuklizne čestice te njihova mješavina  
(EN 1423:2012)  
Road marking materials – Drop on materials – Glass  
beads, antiskid aggregates and mixtures of the two  
(EN 1423:2012)

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

HRN EN ISO 772:2012 en pr  
Hidrometrija – Terminološki rječnik i simboli  
(ISO 772:2011; EN ISO 772:2011)  
Hydrometry – Vocabulary and symbols (ISO 772:2011;  
EN ISO 772:2011)

## HZN/TO 519, *Adhezivi*

HRN EN ISO 9311-2:2012 en pr  
Adhezivi za termoplastične cijevne sustave – 2. dio:  
Određivanje smične čvrstoće (ISO 9311-2:2011;  
EN ISO 9311-2:2011)  
Adhesives for thermoplastic piping systems – Part 2:  
Determination of shear strength (ISO 9311-2:2011;  
EN ISO 9311-2:2011)

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

HRN EN ISO 14906:2012 en pr  
Elektronička naplata – Definicije programskih sučelja  
za dodijeljeno kratkovalno područje komunikacije  
(ISO 14906:2011; EN ISO 14906:2011)  
Electronic fee collection – Application interface  
definition for dedicated short-range communication  
(ISO 14906:2011; EN ISO 14906:2011)

HRN EN ISO 15006:2012 en pr  
Cestovna vozila – Ergonometrijski aspekti putnih  
informacija i upravljačkih sustava – Značajke za  
zvučnu prezentaciju (ISO 15006:2011;  
EN ISO 15006:2011)  
Road vehicles – Ergonomic aspects of transport  
information and control systems – Specifications for  
in-vehicle auditory presentation (ISO 15006:2011;  
EN ISO 15006:2011)

HRN EN 16062:2012 en pr  
Inteligentni transportni sustavi – Elektronička  
sigurnost – Zahtjevi više razine koji se odnose na  
aplikacije za hitne elektroničke pozive iz vozila  
(EN 16062:2011)  
Intelligent transport systems – eSafety – eCall high  
level application requirements (HLAP) (EN 16062:2011)

HRN EN 16072:2012 en pr  
Inteligentni transportni sustavi – Elektronička  
sigurnost – Paneuropski operativni zahtjevi za hitne  
elektroničke pozive iz vozila (EN 16072:2011)  
Intelligent transport systems – eSafety – Pan-European  
eCall operating requirements (EN 16072:2011)

HRN EN 16102:2012 en pr  
Inteligentni transportni sustavi – Elektronički hitni  
pozivi iz vozila – Operativni zahtjevi za podršku  
upućeni trećoj strani (EN 16102:2011)  
Intelligent transport systems – eCall – Operating  
requirements for third party support (EN 16102:2011)

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

HRN EN 1024:2012 en pr  
Glineni crijep za prijeklopno polaganje – Određivanje  
geometrijskih značajka (EN 1024:2012)  
Clay roofing tiles for discontinuous laying –  
Determination of geometric characteristics  
(EN 1024:2012)

## HZN/TO 526, *Bitumenska veziva*

HRN EN 58:2012 en pr  
Bitumen i bitumenska veziva – Uzorkovanje  
bitumenskih veziva (EN 58:2012)  
Bitumen and bituminous binders – Sampling  
bituminous binders (EN 58:2012)

## HZN/TO 528, *Oprema za željeznice*

HRN EN 13848-4:2012 en pr  
Oprema za željeznice – Željeznički gornji ustroj –  
Kvaliteta kolosiječne geometrije – 4. dio: Mjerni sustavi  
– Ručni i lagani uređaji (EN 13848-4:2011)  
Railway applications – Track – Track geometry quality  
– Part 4: Measuring systems – Manual and lightweight  
devices (EN 13848-4:2011)

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

- HRN EN 619:2012 en pr  
Prenosila i sustavi neprekidne dobave – Sigurnosni i EMC zahtjevi na opremu mehaničke dobave komadnog tereta (EN 619:2002+A1:2010)  
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of unit loads (EN 619:2002+A1:2010)
- HRN EN 12999:2012 en pr  
Granici – Pretovarni granici (EN 12999:2011+A1:2012)  
Cranes – Loader cranes (EN 12999:2011+A1:2012)
- HRN EN 13135-1:2012 en pr  
Granici – Sigurnost – Projektiranje – Zahtjevi na opremu – 1. dio: Elektrotehnička oprema (EN 13135-1:2003+A1:2010)  
Cranes – Equipment – Part 1: Electrotechnical equipment (EN 13135-1:2003+A1:2010)
- HRN EN 14502-1:2012 en pr  
Granici – Oprema za dizanje osoba – 1. dio: Ovještene košare (EN 14502-1:2010)  
Cranes – Equipment for the lifting of persons – Part 1: Suspended baskets (EN 14502-1:2010)

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

- HRN EN ISO 179-2:2005/A1:2012 en pr  
Plastika – Određivanje svojstava žilavosti po Charpyju – 2. dio: Dijagramska metoda – Amandman 1: Preciznost podataka (ISO 179-2:1997/Amd 1:2011; EN ISO 179-2:1999/A1:2012)  
Plastics – Determination of Charpy impact properties – Part 2: Instrumented impact test – Amendment 1: Precision data (ISO 179-2:1997/Amd 1:2011; EN ISO 179-2:1999/A1:2012)

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

- HRN EN 1457-1:2012 en pr  
Dimnjaci – Glinene/keramičke dimovodne cijevi – 1. dio: Dimovodne cijevi za djelovanje u suhim uvjetima – Zahtjevi i metode ispitivanja (EN 1457-1:2012)  
Chimneys – Clay/ceramic flue liners – Part 1: Flue liners operation under dry conditions – Requirements and test methods (EN 1457-1:2012)

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

- HRN EN 13617-2:2012 en pr  
Benzinske stanice za punjenje – 2. dio: Sigurnosni zahtjevi za konstrukciju i izvedbu sigurnosne opreme protiv prolijevanja za upotrebu na mjernim pumpama i mjernim uređajima za istakanje (EN 13617-2:2012)  
Petrol filling stations – Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers (EN 13617-2:2012)
- HRN EN 13617-3:2012 en pr  
Benzinske stanice za punjenje – 3. dio: Sigurnosni zahtjevi za konstrukciju i izvedbu razdjelnih ventila (EN 13617-3:2012)  
Petrol filling stations – Part 3: Safety requirements for construction and performance of shear valves (EN 13617-3:2012)

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

- HRN EN 1744-7:2012 en pr  
Ispitivanje kemijskih svojstava agregata – 7. dio: Određivanje gubitka žarenjem pepela iz ložišta spalionica komunalnog otpada (MIBA Aggregate) (EN 1744-7:2012)  
Tests for chemical properties of aggregates – Part 7: Determination of loss of ignition of Municipal Incinerator Bottom Ash Aggregate (MIBA Aggregate) (EN 1744-7:2012)

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

- HRN EN 13541:2012 en pr  
Staklo u graditeljstvu – Sigurnosno staklo – Ispitivanje i razredba otpornosti na tlak eksplozije (EN 13541:2012)  
Glass in building – Security glazing – Testing and classification of resistance against explosion pressure (EN 13541:2012)

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

- HRN EN ISO 5459:2012 en pr  
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Reference i sustavi referenci (ISO 5459:2011; EN ISO 5459:2011)  
Geometrical product specifications (GPS) – Geometrical tolerancing – Datums and datum systems (ISO 5459:2011; EN ISO 5459:2011)
- HRN EN ISO 13385-1:2012 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzijska mjerna oprema – 1. dio: Pomična mjerila – Konstrukcija i mjeriteljska svojstva (ISO 13385-1:2011; EN ISO 13385-1:2011)  
Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 1: Callipers – Design and metrological characteristics (ISO 13385-1:2011; EN ISO 13385-1:2011)
- HRN EN ISO 13385-2:2012 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzijska mjerna oprema – 2. dio: Pomična mjerila dubine – Konstrukcija i mjeriteljska svojstva (ISO 13385-2:2011; EN ISO 13385-2:2011)  
Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 2: Calliper depth gauges – Design and metrological characteristics (ISO 13385-2:2011; EN ISO 13385-2:2011)

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

- HRN EN 13727:2012 en pr  
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje baktericidne djelotvornosti u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13727:2012)  
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) (EN 13727:2012)

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

- HRN EN 1997-1:2012 hr pp  
Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila (EN 1997-1:2004+AC:2009)  
Eurocode 7: Geotechnical design – Part 1: General rules (EN 1997-1:2004+AC:2009)
- HRN EN 1997-1:2012/NA:2012 hr izv  
Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila – Nacionalni dodatak  
Eurocode 7: Geotechnical design – Part 1: General rules – National annex
- HRN EN 1997-2:2012 hr pp  
Eurokod 7: Geotehničko projektiranje – 2. dio: Istraživanje i ispitivanje temeljnoga tla (EN 1997-2:2007+AC:2010)  
Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing (EN 1997-2:2007+AC:2010)

### **HZN/TO 549, Svjetlo i rasvjeta**

- HRN EN 13032-1:2012 en pr  
Svjetlo i rasvjeta – Mjerenje i prikaz fotometričkih podataka izvora svjetla i rasvjetnih tijela – 1. dio: Mjerenje i oblik podataka (EN 13032-1:2004+A1:2012)  
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 1: Measurement and file format (EN 13032-1:2004+A1:2012)

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

- HRN EN 16058:2012 en pr  
Utjecaj metalnih materijala na vodu namijenjenu ljudskoj uporabi – Mjerne linije za dinamičko ispitivanje procjene površina obloženih slojem nikla – Metoda dugotrajnog ispitivanja (EN 16058:2012)  
Influence of metallic materials on water intended for human consumption – Dynamic rig test for assessment of surface coatings with nickel layers – Long-term test method (EN 16058:2012)

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

- HRN EN ISO 11137-2:2012 en pr  
Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – 2. dio: Utemeljenje doze za sterilizaciju (ISO 11137-2:2012; EN ISO 11137-2:2012)  
Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2012; EN ISO 11137-2:2012)
- HRN EN ISO 23640:2012 en pr  
Medicinski proizvodi za dijagnostiku in vitro – Ispitivanje stabilnosti dijagnostičkih reagensa in vitro (ISO 23640:2011; EN ISO 23640:2011)  
In vitro diagnostic medical devices – Evaluation of stability of in vitro diagnostic reagents (ISO 23640:2011; EN ISO 23640:2011)

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

- HRN EN 397:2012 en pr  
Industrijske zaštitne kacige (EN 397:2012)  
Industrial safety helmets (EN 397:2012)
- HRN EN 812:2012 en pr  
Industrijske zaštitne kape (EN 812:2012)  
Industrial bump caps (EN 812:2012)
- HRN EN 966:2012 en pr  
Kacige za sportove u zraku (EN 966:2012)  
Helmets for airborne sports (EN 966:2012)
- HRN EN 1078:2012 en pr  
Kacige za bicikliste i korisnike koturaljki i daski na koturaljkama (EN 1078:2012)  
Helmets for pedal cyclists and for users of skateboards and roller skates (EN 1078:2012)
- HRN EN 1384:2012 en pr  
Kacige za jahačke akrobatske aktivnosti (EN 1384:2012)  
Helmets for equestrian activities (EN 1384:2012)
- HRN EN 1385:2012 en pr  
Kacige za vožnju kanuima i sportove na divljim vodama (EN 1385:2012)  
Helmets for canoeing and white water sports (EN 1385:2012)
- HRN EN ISO 4007:2012 en pr  
Osobna zaštitna oprema – Zaštita očiju i lica – Terminološki rječnik (ISO 4007:2012; EN ISO 4007:2012)  
Personal protective equipment – Eye and face protection – Vocabulary (ISO 4007:2012; EN ISO 4007:2012)
- HRN EN 12492:2012 en pr  
Planinarska oprema – Kacige za planinare – Zahtjevi sigurnosti i metode ispitivanja (EN 12492:2012)  
Mountaineering equipment – Helmets for mountaineers – Safety requirements and test methods (EN 12492:2012)

- HRN EN 13087-2:2012 en pr  
Zaštitne kacige – Metode ispitivanja – 2. dio: Prigušivanje udara (EN 13087-2:2012)  
Protective helmets – Test methods – Part 2: Shock absorption (EN 13087-2:2012)
- HRN EN 13087-4:2012 en pr  
Zaštitne kacige – Metode ispitivanja – 4. dio: Djelotvornost sustava pričvršćivanja na glavu (EN 13087-4:2012)  
Protective helmets – Test methods – Part 4: Retention system effectiveness (EN 13087-4:2012)
- HRN EN 13087-5:2012 en pr  
Zaštitne kacige – Metode ispitivanja – 5. dio: Čvrstoća sustava pričvršćivanja na glavu (EN 13087-5:2012)  
Protective helmets – Test methods – Part 5: Retention system strength (EN 13087-5:2012)
- HRN EN 13087-6:2012 en pr  
Zaštitne kacige – Metode ispitivanja – 6. dio: Vidno polje (EN 13087-6:2012)  
Protective helmets – Test methods – Part 6: Field of vision (EN 13087-6:2012)
- HRN EN 13087-10:2012 en pr  
Zaštitne kacige – Metode ispitivanja – 10. dio: Otpornost na toplinsko zračenje (EN 13087-10:2012)  
Protective helmets – Test methods – Part 10: Resistance to radiant heat (EN 13087-10:2012)
- HRN EN 13484:2012 en pr  
Kacige za korisnike saonica (EN 13484:2012)  
Helmets for users of luges (EN 13484:2012)
- HRN EN 13781:2012 en pr  
Zaštitne kacige za vozače i putnike motornih saonica i bobova (EN 13781:2012)  
Protective helmets for drivers and passengers of snowmobiles and bobsleighs (EN 13781:2012)
- HRN EN 14052:2012 en pr  
Visokozahitve industrijske kacige (EN 14052:2012)  
High performance industrial helmets (EN 14052:2012)
- HRN EN 15090:2012 en pr  
Obuća za vatrogasce (EN 15090:2012)  
Footwear for firefighters (EN 15090:2012)
- HRN EN ISO 20344:2012 en pr  
Osobna zaštitna oprema – Ispitne metode za obuću (ISO 20344:2011; EN ISO 20344:2011)  
Personal protective equipment – Test methods for footwear (ISO 20344:2011; EN ISO 20344:2011)
- HRN EN ISO 20345:2012 en pr  
Osobna zaštitna oprema – Sigurnosna obuća (ISO 20345:2011; EN ISO 20345:2011)  
Personal protective equipment – Safety footwear (ISO 20345:2011; EN ISO 20345:2011)
- HRN EN ISO 20347:2012 en pr  
Osobna zaštitna oprema – Radna obuća (ISO 20347:2012; EN ISO 20347:2012)  
Personal protective equipment – Occupational footwear (ISO 20347:2012; EN ISO 20347:2012)

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

- HRN EN 331:2000/A1:2012 en pr  
Kuglaste i konusne plinske slavine za kućne plinske instalacije koje se ručno zatvaraju (EN 331:1998/A1:2010)  
Manually operated ball valves and closed bottom taper plug valves for gas installations for buildings (EN 331:1998/A1:2010)
- HRN EN 1267:2012 en pr  
Industrijski zaporni uređaji – Ispitivanje otpora strujanja uporabom vode kao ispitnog fluida (EN 1267:2012)  
Industrial valves – Test of flow resistance using water as test fluid (EN 1267:2012)



- HRN EN 12266-1:2012 en pr  
Industrijski ventili – Ispitivanja ventila – 1. dio: Tlačna ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti – Uvjeti za ovlaštavanje (EN 12266-1:2012)  
Industrial valves – Testing of metallic valves – Part 1: Pressure tests, test procedures and acceptance criteria – Mandatory requirements (EN 12266-1:2012)
- HRN EN 12266-2:2012 en pr  
Industrijski ventili – Ispitivanje ventila – 2. dio: Ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti – Dodatni zahtjevi (EN 12266-2:2012)  
Industrial valves – Testing of metallic valves – Part 2: Tests, test procedures and acceptance criteria – Supplementary requirements (EN 12266-2:2012)

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

- HRN EN ISO 3758:2012 en pr  
Tekstil – Označavanje njege primjenom simbola (ISO 3758:2012; EN ISO 3758:2012)  
Textiles – Care labelling code using symbols (ISO 3758:2012; EN ISO 3758:2012)
- HRN EN ISO 6330:2012 en pr  
Tekstil – Postupci pranja i sušenja u kućanstvu za ispitivanje tekstila (ISO 6330:2012; EN ISO 6330:2012)  
Textiles – Domestic washing and drying procedures for textile testing (ISO 6330:2012; EN ISO 6330:2012)

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

- HRN EN 764-2:2012 en pr  
Tlačna oprema – 2. dio: Veličine, simboli i jedinice (EN 764-2:2012)  
Pressure equipment – Part 2: Quantities, symbols and units (EN 764-2:2012)
- HRN EN 1089-3:2012 en pr  
Prenosive plinske boce – Označavanje plinskih boca (osim UNP) – 3. dio: Označavanje bojom (EN 1089-3:2011)  
Transportable gas cylinders – Gas cylinder identification (excluding LPG) – Part 3: Colour coding (EN 1089-3:2011)
- HRN EN ISO 11114-1:2012 en pr  
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 1. dio: Metalni materijali (ISO 11114-1:2012; EN ISO 11114-1:2012)  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials (ISO 11114-1:2012; EN ISO 11114-1:2012)
- HRN EN 12245:2012 en pr  
Prenosive plinske boce – Potpuno omotane kompozitne boce (EN 12245:2009+A1:2011)  
Transportable gas cylinders – Fully wrapped composite cylinders (EN 12245:2009+A1:2011)
- HRN EN 12816:2012 en pr  
Oprema i pribor za UNP – Prenosive, ponovno punjive boce za UNP – Odlaganje (EN 12816:2010)  
LPG equipment and accessories – Transportable refillable LPG cylinders – Disposal (EN 12816:2010)
- HRN EN 12953-1:2012 en pr  
Dimnocijevni kotlovi – 1. dio: Općenito (EN 12953-1:2012)  
Shell boilers – Part 1: General (EN 12953-1:2012)
- HRN EN 12953-2:2012 en pr  
Dimnocijevni kotlovi – 2. dio: Materijali za dijelove kotla pod tlakom i pribor (EN 12953-2:2012)  
Shell boilers – Part 2: Materials for pressure parts of boilers and accessories (EN 12953-2:2012)
- HRN EN 13109:2012 en pr  
Oprema i pribor za UNP – Spremnici za UNP – Odlaganje (EN 13109:2010)  
LPG equipment and accessories – LPG tanks and drums – Disposal (EN 13109:2010)

- HRN EN 13110:2012 en pr  
Oprema i pribor za UNP – Prenosive, ponovno punjive, zavarene aluminijske boce za ukapljeni plin (UNP) – Projektiranje i izrada (EN 13110:2012)  
LPG equipment and accessories – Transportable refillable welded aluminium cylinders for liquefied petroleum gas (LPG) – Design and construction (EN 13110:2012)
- HRN EN 13445-4:2009/A1:2012 en pr  
Neložene tlačne posude – 4. dio: Proizvodnja (EN 13445-4:2009/A1:2011)  
Unfired pressure vessels – Part 4: Fabrication (EN 13445-4:2009/A1:2011)
- HRN EN 14894:2012 en pr  
Oprema i pribor za UNP – Boce i spremnici, označavanje (EN 14894:2011)  
LPG equipment and accessories – Cylinder and drum marking (EN 14894:2011)
- HRN EN ISO 22434:2012 en pr  
Prenosive plinske boce – Pregled i održavanje ventila boca (ISO 22434:2006; EN ISO 22434:2011)  
Transportable gas cylinders – Inspection and maintenance of cylinder valves (ISO 22434:2006; EN ISO 22434:2011)

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

- HRN EN 940:2012 en pr  
Sigurnost strojeva za obradu drva – Kombinirani strojevi za obradu drva (EN 940:2009+A1:2012)  
Safety of woodworking machines – Combined woodworking machines (EN 940:2009+A1:2012)
- HRN EN 1114-1:2012 en pr  
Strojevi za gumu i plastiku – Ekstruderi i linije za ekstrudiranje – 1. dio: Sigurnosni zahtjevi za ekstrudere (EN 1114-1:2011)  
Plastics and rubber machines – Extruders and extrusion lines – Part 1: Safety requirements for extruders (EN 1114-1:2011)
- HRN EN 1870-4:2012 en pr  
Sigurnost strojeva za obradu drva – Kružne pile – 4. dio: Višelisne pile s ručnim ulaganjem i/ili prihvaćanjem gotovog obratka (EN 1870-4:2012)  
Safety of woodworking machines – Circular sawing machines – Part 4: Multiblade rip sawing machines with manual loading and/or unloading (EN 1870-4:2012)
- HRN EN 1870-13:2012 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 13. dio: Horizontalne kružne pile za ploče s pritisknim uređajem (EN 1870-13:2007+A2:2012)  
Safety of woodworking machines – Circular sawing machines – Part 13: Horizontal beam panel sawing machines (EN 1870-13:2007+A2:2012)
- HRN EN 1870-14:2012 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 14. dio: Vertikalne kružne pile za ploče (EN 1870-14:2007+A2:2012)  
Safety of woodworking machines – Circular sawing machines – Part 14: Vertical panel sawing machines (EN 1870-14:2007+A2:2012)
- HRN EN ISO 11148-1:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 1: Assembly power tools for non-threaded mechanical fasteners (ISO 11148-1:2011; EN ISO 11148-1:2011)
- HRN EN ISO 11148-2:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 2: Cutting-off and crimping power tools (ISO 11148-2:2011; EN ISO 11148-2:2011)
- HRN EN ISO 11148-3:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 3: Drills and tappers (ISO 11148-3:2010; EN ISO 11148-3:2010)



- HRN EN ISO 11148-4:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 4: Nonrotary percussive power tools (ISO 11148-4:2010; EN ISO 11148-4:2010)
- HRN EN ISO 11148-5:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 5: Rotary percussive drills (ISO 11148-5:2011; EN ISO 11148-5:2011)
- HRN EN ISO 11148-6:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 6: Assembly power tools for threaded fasteners (ISO 11148-6:2010; EN ISO 11148-6:2010)
- HRN EN ISO 11148-8:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 8: Sanders and polishers (ISO 11148-8:2011; EN ISO 11148-8:2011)
- HRN EN ISO 11148-9:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 9: Die grinders (ISO 11148-9:2011; EN ISO 11148-9:2011)
- HRN EN ISO 11148-10:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 10: Compression power tools (ISO 11148-10:2011; EN ISO 11148-10:2011)
- HRN EN ISO 11148-11:2012 en pr  
Hand-held non-electric power tools – Safety requirements – Part 11: Nibblers and shears (ISO 11148-11:2011; EN ISO 11148-11:2011)
- HRN EN 13236:2012 en pr  
Sigurnosni zahtjevi za superabrazive (EN 13236:2010) Safety requirements for superabrasive products (EN 13236:2010)

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

- HRN ISO 7700-2:2012 en pr  
Prehrambeni proizvodi – Provjera rada vlagomjera u upotrebi – 2. dio: Vlagomjeri za uljarice (ISO 7700-2:2011)  
Food products – Checking the performance of moisture meters in use – Part 2: Moisture meters for oilseeds (ISO 7700-2:2011)
- HRN ISO 12871:2012 en pr  
Maslinova ulja i ulja od komine masline – Određivanje udjela alifatskih alkohola kapilarnom plinskom kromatografijom (ISO 12871:2010)  
Olive oils and olive-pomace oils – Determination of aliphatic alcohols content by capillary gas chromatography (ISO 12871:2010)
- HRN ISO 12872:2012 en pr  
Maslinova ulja i ulja od komine masline – Određivanje udjela 2-gliceril monopalmitata (ISO 12872:2010)  
Olive oils and olive-pomace oils – Determination of the 2-glyceril monopalmitate content (ISO 12872:2010)
- HRN ISO 12873:2012 en pr  
Maslinova ulja i ulja od komine masline – Određivanje udjela voskova plinskom kromatografijom (ISO 12873:2010)  
Olive oils and olive-pomace oils – Determination of wax content by capillary gas chromatography (ISO 12873:2010)
- HRS ISO/TS 21033:2012 en pr  
Životinjske i biljne masti i ulja – Određivanje elemenata u tragovima pomoću induktivno spregnute plazme optičkom emisijskom spektrometrijom (ICP-OES) (ISO/TS 21033:2011)  
Animal and vegetable fats and oils – Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES) (ISO/TS 21033:2011)
- HRS ISO/TS 23647:2012 en pr  
Biljne masti i ulja – Određivanje udjela voskova plinskom kromatografijom (ISO/TS 23647:2010)  
Vegetable fats and oils – Determination of wax content by gas chromatography (ISO/TS 23647:2010)
- HRN ISO 27608:2012 en pr  
Životinjske i biljne masti i ulja – Određivanje Lovibond® boje – Automatska metoda (ISO 27608:2010)  
Animal and vegetable fats and oils – Determination of Lovibond® colour – Automatic method (ISO 27608:2010)
- HRN ISO 28198:2012 en pr  
Biljne masti i ulja – Odrađivanje tvari netopljive u toluenu (ISO 28198:2009)  
Vegetable fats and oils – Determination of toluene insoluble matter (ISO 28198:2009)
- HRN ISO 29822:2012 en pr  
Biljne masti i ulja – Izomerni diacilgliceroli – Određivanje relativnog udjela 1,2- i 1,3-diacilglicerola (ISO 29822:2009)  
Vegetable fats and oils – Isomeric diacylglycerols – Determination of relative amounts of 1,2- and 1,3-diacylglycerols (ISO 29822:2009)
- HRN ISO 29841:2012 en pr  
Biljne masti i ulja – Određivanje razgradnih produkata klorofila a i a' (feofitini a, a' i pirofeofitini) (ISO 29841:2009)  
Vegetable fats and oils – Determination of the degradation products of chlorophylls a and a' (pheophytins a, a' and pyropheophytins) (ISO 29841:2009)

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

- HRN ISO 21527-1:2012 en pr  
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za brojenje kvasaca i plijesni – 1. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode većim od 0,95 (ISO 21527-1:2008)  
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of yeasts and moulds – Part 1: Colony count technique in products with water activity greater than 0,95 (ISO 21527-1:2008)
- HRN ISO 21527-2:2012 en pr  
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za brojenje kvasaca i plijesni – 2. dio: Tehnika brojenja kolonija u proizvodima s aktivitetom vode manjim ili jednakim 0,95 (ISO 21527-2:2008)  
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of yeasts and moulds – Part 2: Colony count technique in products with water activity less than or equal to 0,95 (ISO 21527-2:2008)

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

- HRN EN 55016-4-2:2012 en pr  
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 4-2: Nesigurnosti, statistike i modeliranje dopuštenih vrijednosti – Nesigurnost mjerne opreme (CISPR 16-4-2:2011; EN 55016-4-2:2011)  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Measurement instrumentation uncertainty (CISPR 16-4-2:2011; EN 55016-4-2:2011)
- HRN EN 55017:2012 en pr  
Metode mjerenja značajka gušenja pasivnih EMC filtara (CISPR 17:2011; EN 55017:2011)  
Methods of measurement of the suppression characteristics of passive EMC filtering devices (CISPR 17:2011; EN 55017:2011)

- HRN EN 60555-1:2012 en pr  
Disturbances in supply systems caused by household appliances and similar electrical equipment – Part 1: Definitions (IEC 60555-1:1982; EN 60555-1:1987)
- HRN EN 61000-3-12:2012 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 3-12: Granice – Granice za harmoničke struje koje stvara oprema priključena na javnu distribucijsku mrežu za ulazne struje > 16 A i ≤ 75 A (IEC 61000-3-12:2011; EN 61000-3-12:2011)  
Electromagnetic compatibility (EMC) – Part 3-12: Limits – Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase (IEC 61000-3-12:2011; EN 61000-3-12:2011)
- HRN EN 61000-4-14:2001/A2:2012 en pr  
Electromagnetic compatibility (EMC) – Part 4-14: Testing and measurement techniques – Voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase (IEC 61000-4-14:1999/am2:2009; EN 61000-4-14:1999/A2:2009)
- HRN EN 61000-4-15:2012 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 4-15: Ispitne i mjerne tehnike – Flickermetar – Funkcionalne specifikacije i dizajn (IEC 61000-4-15:2010; EN 61000-4-15:2011)  
Electromagnetic compatibility (EMC) – Part 4-15: Testing and measurement techniques – Flickermeter – Functional and design specifications (IEC 61000-4-15:2010; EN 61000-4-15:2011)

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

- HRN EN 300 019-1-3 V2.3.2:2012 en pr  
Ekologija (EE) – Eko uvjeti i ispitivanja za telekomunikacijsku opremu – Dio 1-3: Klasifikacija ekouvjeta – Stacionarno korištenje lokacija zaštićenih od vremenskih nepogoda (EN 300 019-1-3 V2.3.2:2009)  
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunication equipment – Part 1-3: Classification of environmental conditions – Stationary use at weatherprotected locations (EN 300 019-1-3 V2.3.2:2009)
- HRN EN 300 086-1 V1.4.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s unutrašnjim i vanjskim RF spojnikom namijenjena ponajprije za analogni govor – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 086-1 V1.4.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Radio equipment with an internal or external RF connector intended primarily for analogue speech – Part 1: Technical characteristics and methods of measurement (EN 300 086-1 V1.4.1:2010)
- HRN EN 300 097-1 V1.2.4:2012 en pr  
Digitalna mreža zbrojenih usluga (ISDN) – Spojna linija identifikacijskog predstavljanja (COLP) dopunske usluge – Sustav signalizacije digitalnog potpisnika No. one (DSS1) protokol – 1. dio: Specifikacija protokola (EN 300 097-1 V1.2.4:1998)  
Integrated Services Digital Network (ISDN) – Connected Line Identification Presentation (COLP) supplementary service – Digital Subscriber Signalling System No. one (DSS1) protocol – Part 1: Protocol specification (EN 300 097-1 V1.2.4:1998)
- HRN EN 300 113-1 V1.6.2:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema namijenjena za prijenos podataka (i/ili govora) s konstantnom i nekonstantnom modulacijskom ovojnicom i antenskim spojnikom – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 113-1 V1.6.2:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land mobile service – Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Part 1: Technical characteristics and methods of measurement (EN 300 113-1 V1.6.2:2009)
- HRN EN 300 119-2 V2.2.2:2012 en pr  
Upravljanje okolišem (EE) – Europska telekomunikacijska norma za smještajnu opremu – 2. dio: Tehnološki zahtjevi za police i kabinete (EN 300 119-2 V2.2.2:2009)  
Environmental Engineering (EE) – European telecommunication standard for equipment practice – Part 2: Engineering requirements for racks and cabinets (EN 300 119-2 V2.2.2:2009)
- HRN EN 300 119-3 V2.2.2:2012 en pr  
Upravljanje okolišem (EE) – Europska telekomunikacijska norma za smještajnu opremu – 3. dio: Tehnološki zahtjevi za različite police i kabinete (EN 300 119-3 V2.2.2:2010)  
Environmental Engineering (EE) – European telecommunication standard for equipment practice – Part 3: Engineering requirements for miscellaneous racks and cabinets (EN 300 119-3 V2.2.2:2010)
- HRN EN 300 175-1 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 1. dio: Opći pregled (EN 300 175-1 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 1: Overview (EN 300 175-1 V2.3.1:2010)
- HRN EN 300 175-2 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 2. dio: Fizički sloj (EN 300 175-2 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 2: Physical Layer (PHL) (EN 300 175-2 V2.3.1:2010)
- HRN EN 300 175-3 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 3. dio: Srednji sloj nadzora nad pristupom (MAC) (EN 300 175-3 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 3: Medium Access Control (MAC) layer (EN 300 175-3 V2.3.1:2010)
- HRN EN 300 175-4 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 4. dio: Sloj podatkovnoga kontrolnog linka (DLC) (EN 300 175-4 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 4: Data Link Control (DLC) layer (EN 300 175-4 V2.3.1:2010)
- HRN EN 300 175-5 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 5. dio: Sloj mreže (NWK) (EN 300 175-5 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 5: Network (NWK) layer (EN 300 175-5 V2.3.1:2010)

- HRN EN 300 175-6 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 6. dio: Identiteti i adresiranja (EN 300 175-6 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 6: Identities and addressing (EN 300 175-6 V2.3.1:2010)
- HRN EN 300 175-7 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 7. dio: Značajke zaštite (EN 300 175-7 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 7: Security features (EN 300 175-7 V2.3.1:2010)
- HRN EN 300 175-8 V2.3.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 8. dio: Govor i audioprijenos i kodiranje (EN 300 175-8 V2.3.1:2010)  
Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 8: Speech and audio coding and transmission (EN 300 175-8 V2.3.1:2010)
- HRN EN 300 176-1 V2.1.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Ispitna specifikacija – 1. dio: Radio (EN 300 176-1 V2.1.1:2009)  
Digital Enhanced Cordless Telecommunications (DECT) – Test specification – Part 1: Radio (EN 300 176-1 V2.1.1:2009)
- HRN EN 300 176-2 V2.1.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Ispitna specifikacija – 2. dio: Sluh i govor (EN 300 176-2 V2.1.1:2009)  
Digital Enhanced Cordless Telecommunications (DECT) – Test specification – Part 2: Audio and speech (EN 300 176-2 V2.1.1:2009)
- HRN EN 300 220-1 V2.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema u uporabi u frekvencijskom području 25 MHz do 1000 MHz s razinama snage do 500 mW – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 220-1 V2.3.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment to be used in the 25 MHz to 1000 MHz frequency range with power levels ranging up to 500 mW – Part 1: Technical characteristics and test methods (EN 300 220-1 V2.3.1:2010)
- HRN EN 300 296-1 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s integralnim antenama namijenjena ponajprije za analogni govor – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 296-1 V1.3.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Radio equipment using integral antennas intended primarily for analogue speech – Part 1: Technical characteristics and methods of measurement (EN 300 296-1 V1.3.1:2010)
- HRN EN 300 330-1 V1.7.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema u uporabi u frekvencijskom području 9 kHz do 25 MHz i sustavima induktivne petlje u frekvencijskom području 9 kHz do 30 MHz – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 330-1 V1.7.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz – Part 1: Technical characteristics and test methods (EN 300 330-1 V1.7.1:2010)
- HRN EN 300 338-1 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke značajke i mjerne metode za opremu namijenjenu generiranju, prijenosu i prijemu digitalnoga selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 1. dio: Zajednički zahtjevi (EN 300 338-1 V1.3.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements (EN 300 338-1 V1.3.1:2010)
- HRN EN 300 338-2 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke značajke i mjerne metode za opremu namijenjenu generiranju, prijenosu i prijemu digitalnoga selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 2. dio: Razred A/B DSC (EN 300 338-2 V1.3.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 2: Class A/B DSC (EN 300 338-2 V1.3.1:2010)
- HRN EN 300 338-3 V1.1.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke značajke i mjerne metode za opremu namijenjenu generiranju, prijenosu i prijemu digitalnoga selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 3. dio: Razred D DSC (EN 300 338-3 V1.1.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 3: Class D DSC (EN 300 338-3 V1.1.1:2010)
- HRN EN 300 338-4 V1.1.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehničke značajke i mjerne metode za opremu namijenjenu generiranju, prijenosu i prijemu digitalnoga selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 4. dio: Razred E DSC (EN 300 338-4 V1.1.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 4: Class E DSC (EN 300 338-4 V1.1.1:2010)
- HRN EN 300 392-2 V3.4.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (EN 300 392-2 V3.4.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI) (EN 300 392-2 V3.4.1:2010)
- HRN EN 300 392-3 V1.3.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas plus podatci (V+D) – 3. dio: Međudjelovanje na Inter-System sučelju (ISI) – 1. pod-dio: Generalni dizajn (EN 300 392-3-1 V1.3.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 1: General design (EN 300 392-3-1 V1.3.1:2010)



- HRN EN 300 392-3-2 V1.4.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas plus podatci (V+D) – 3. dio: Međudjelovanje na Inter-System sučelju (ISI) – 2. pod-dio: Dodatna mrežna funkcija individualnog poziva (ANF- ISIIIC)  
(EN 300 392-3-2 V1.4.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 2: Additional Network Feature Individual Call (ANF-ISIIIC)  
(EN 300 392-3-2 V1.4.1:2010)
- HRN EN 300 392-3-5 V1.4.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas plus podatci (V+D) – 3. dio: Međudjelovanje na Inter-System sučelju (ISI) – 5. pod-dio: Dodatna mrežna funkcija za upravljanje mobilnošću (ANF-ISIMM)  
(EN 300 392-3-5 V1.4.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 5: Additional Network Feature for Mobility Management (ANF-ISIMM)  
(EN 300 392-3-5 V1.4.1:2010)
- HRN EN 300 392-5 V2.2.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) i rad u izravnome načinu (DMO) – 5. dio: Sučelje periferne opreme (PEI) (EN 300 392-5 V2.2.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) and Direct Mode Operation (DMO) – Part 5: Peripheral Equipment Interface (PEI)  
(EN 300 392-5 V2.2.1:2010)
- HRN EN 300 392-7 V3.2.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) – 7. dio: Zaštita (EN 300 392-7 V3.2.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 7: Security (EN 300 392-7 V3.2.1:2010)
- HRN EN 300 392-9 V1.4.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) – 9. dio: Opći zahtjevi za dopunske usluge (EN 300 392-9 V1.4.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 9: General requirements for supplementary services (EN 300 392-9 V1.4.1:2010)
- HRN EN 300 392-12-4 V1.2.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Glas plus podatci (V+D) – 12. dio: Dopunske usluge 3. stupnja – 4. pod-dio: Preusmjeravanje poziva (CF)  
(EN 300 392-12-4 V1.2.1:2010)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 4: Call Forwarding (CF)  
(EN 300 392-12-4 V1.2.1:2010)
- HRN EN 300 396-6 V1.4.1:2012 en pr  
Terestrijalni trunking radio (TETRA) – Rad u izravnome načinu (DMO) – 6. dio: Zaštita  
(EN 300 396-6 V1.4.1:2010)  
Terrestrial Trunked Radio (TETRA) – Direct Mode Operation (DMO) – Part 6: Security  
(EN 300 396-6 V1.4.1:2010)
- HRN EN 300 440-1 V1.6.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema u uporabi u frekvencijskom području 1 GHz do 40 GHz – 1. dio: Tehničke karakteristike i metode mjerenja (EN 300 440-1 V1.6.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short range devices – Radio equipment to be used in the 1 GHz to 40 GHz frequency range – Part 1: Technical characteristics and test methods (EN 300 440-1 V1.6.1:2010)
- HRN EN 300 444 V2.2.1:2012 en pr  
Digitalne poboljšane bežične telekomunikacije (DECT) – Profil generičkog pristupa (GAP)  
(EN 300 444 V2.2.1:2010)
- Digital Enhanced Cordless Telecommunications (DECT) – Generic Access Profile (GAP)  
(EN 300 444 V2.2.1:2010)
- HRN EN 300 468 V1.10.1:2012 en pr  
Digitalna videodifuzija (DVB) – Specifikacija za informacijsku uslugu (SI) u sustavima DVB  
(EN 300 468 V1.10.1:2009)  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems  
(EN 300 468 V1.10.1:2009)
- HRN EN 300 468 V1.11.1:2012 en pr  
Digitalna videodifuzija (DVB) – Specifikacija za informacijsku uslugu (SI) u sustavima DVB  
(EN 300 468 V1.11.1:2010)  
Digital Video Broadcasting (DVB) – Specification for Service Information (SI) in DVB systems  
(EN 300 468 V1.11.1:2010)
- HRN EN 300 676-1 V1.5.1:2012 en pr  
Ručni VHF, pokretni i nepokretni radijski odašiljači, prijarnici i primoodašiljači na tlu za zrakoplovnu pokretnu VHF službu s amplitudnom modulacijom – 1. dio: Tehničke značajke i mjerne metode  
(EN 300 676-1 V1.5.1:2010)  
Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation – Part 1: Technical characteristics and methods of measurement (EN 300 676-1 V1.5.1:2010)
- HRN EN 300 676-1 V1.5.2:2012 en pr  
Ručni VHF, pokretni i nepokretni radijski odašiljači, prijarnici i primoodašiljači na tlu za zrakoplovnu pokretnu VHF službu s amplitudnom modulacijom – 1. dio: Tehničke značajke i mjerne metode  
(EN 300 676-1 V1.5.2:2011)  
Ground-based VHF hand-held, mobile and fixed radio transmitters, receivers and transceivers for the VHF aeronautical mobile service using amplitude modulation – Part 1: Technical characteristics and methods of measurement (EN 300 676-1 V1.5.2:2011)
- HRN EN 300 698-1 V1.4.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radiotelefonski odašiljači i prijarnici za pomorsku pokretnu službu u VHF pojasovima na unutarnjim vodenim putevima – 1. dio: Tehničke značajke i mjerne metode (EN 300 698-1 V1.4.1:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways – Part 1: Technical characteristics and methods of measurement (EN 300 698-1 V1.4.1:2009)
- HRN EN 300 753 V1.2.1:2012 en pr  
Tehnologija opreme (EE) – Akustični šum koji odašilje telekomunikacijska oprema (EN 300 753 V1.2.1:2009)  
Equipment Engineering (EE) – Acoustic noise emitted by telecommunications equipment  
(EN 300 753 V1.2.1:2009)
- HRN EN 301 025-1 V1.4.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Pomorski VHF radiotelefon za opću komunikaciju i pridružena oprema razreda „D“ digitalnoga selektivnog poziva (DSC) – 1. dio: Tehničke značajke i mjerne metode  
(EN 301 025-1 V1.4.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – VHF radiotelephone equipment for general communications and associated equipment for Class “D” Digital Selective Calling (DSC) – Part 1: Technical characteristics and methods of measurement (EN 301 025-1 V1.4.1:2010)

- HRN EN 301 166-1 V1.3.2:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema za analognu i/ili digitalnu komunikaciju (govor i/ili podaci) koja radi na uskopojasnim kanalima i ima antenski spojnik – 1. dio: Tehničke karakteristike i metode mjerenja (EN 301 166-1 V1.3.2:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Radio equipment for analogue and/or digital communication (speech and/or data) and operating on narrow band channels and having an antenna connector – Part 1: Technical characteristics and methods of measurement (EN 301 166-1 V1.3.2:2009)
- HRN EN 301 192 V1.5.1:2012 en pr  
Digitalna videodifuzija (DVB) – DVB specifikacija za podatkovnu radiodifuziju (EN 301 192 V1.5.1:2009)  
Digital Video Broadcasting (DVB) – DVB specification for data broadcasting (EN 301 192 V1.5.1:2009)
- HRN EN 301 783-1 V1.2.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Amaterska oprema dostupna na tržištu – 1. dio: Tehničke karakteristike i metode mjerenja (EN 301 783-1 V1.2.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Land Mobile Service – Commercially available amateur radio equipment – Part 1: Technical characteristics and methods of measurement (EN 301 783-1 V1.2.1:2010)
- HRN EN 301 790 V1.5.1:2012 en pr  
Digitalna videodifuzija (DVB) – Interaktivni kanal za satelitske distribucijske sustave (EN 301 790 V1.5.1:2009)  
Digital Video Broadcasting (DVB) – Interaction channel for satellite distribution systems (EN 301 790 V1.5.1:2009)
- HRN EN 301 839-1 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Aktivni medicinski implantati (ULP-AMI) i periferali (ULP-AMI-P) jako male snage u frekvencijskom području 402 MHz do 405 MHz – 1. dio: Tehničke karakteristike i metode mjerenja (EN 301 839-1 V1.3.1:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz – Part 1: Technical characteristics and test methods (EN 301 839-1 V1.3.1:2009)
- HRN EN 301 841-1 V1.3.1:2012 en pr  
Zrak-zemlja digitalni VHF link (VDL) 2. mod – Tehničke značajke i mjerne metode za opremu na tlu – 1. dio: Fizički sloj i podsloj MAC (EN 301 841-1 V1.3.1:2010)  
VHF air-ground Digital Link (VDL) Mode 2 – Technical characteristics and methods of measurement for ground-based equipment – Part 1: Physical layer and MAC sub-layer (EN 301 841-1 V1.3.1:2010)
- HRN EN 301 842-1 V1.3.2:2012 en pr  
Zrak-zemlja digitalni VHF link (VDL) Mod 4 – Tehničke značajke i mjerne metode za opremu na tlu – 1. dio: EN za opremu na tlu (EN 301 842-1 V1.3.2:2010)  
VHF air-ground Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for ground-based equipment – Part 1: EN for ground equipment (EN 301 842-1 V1.3.2:2010)
- HRN EN 301 842-1 V1.3.3:2012 en pr  
Zrak-zemlja digitalni VHF link (VDL) 4. mod – Tehničke značajke i mjerne metode za opremu na tlu – 1. dio: EN za opremu na tlu (EN 301 842-1 V1.3.3:2011)  
VHF air-ground Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for ground-based equipment – Part 1: EN for ground equipment (EN 301 842-1 V1.3.3:2011)
- HRN EN 301 842-4 V1.2.2:2012 en pr  
Zrak-zemlja digitalni VHF link (VDL) 4. mod – Tehničke značajke i mjerne metode za opremu na tlu – 4. dio: Funkcije točka-točka (EN 301 842-4 V1.2.2:2010)  
VHF air-ground Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for ground-based equipment – Part 4: Point-to-point functions (EN 301 842-4 V1.2.2:2010)
- HRN EN 302 208-1 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Oprema za radiofrekvencijsku identifikaciju u pojasu od 865 MHz do 868 MHz s razinom snage do 2 W – 1. dio: Tehničke značajke i mjerne metode (EN 302 208-1 V1.3.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W – Part 1: Technical requirements and methods of measurement (EN 302 208-1 V1.3.1:2010)
- HRN EN 302 217-1 V1.3.1:2012 en pr  
Nepokretni radijski sustavi – Značajke i zahtjevi za opremu i antene točka-točka – 1. dio: Pregled i opće značajke neovisne o sustavu (EN 302 217-1 V1.3.1:2010)  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 1: Overview and system-independent common characteristics (EN 302 217-1 V1.3.1:2010)
- HRN EN 302 217-2-1 V1.3.1:2012 en pr  
Nepokretni radijski sustavi – Značajke i zahtjevi za opremu i antene točka-točka – Dio 2-1: Zahtjevi ovisno o sustavu za digitalne sustave u onim frekvencijskim pojasovima u kojima se primjenjuje koordinacija frekvencija (EN 302 217-2-1 V1.3.1:2010)  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2-1: System-dependent requirements for digital systems operating in frequency bands where frequency co-ordination is applied (EN 302 217-2-1 V1.3.1:2010)
- HRN EN 302 217-4-1 V1.4.1:2012 en pr  
Nepokretni radijski sustavi – Značajke i zahtjevi za opremu i antene točka-točka – Dio 4-1: Zahtjevi za antene ovisno o sustavu (EN 302 217-4-1 V1.4.1:2010)  
Fixed Radio Systems – Characteristics and requirements for point-to-point equipment and antennas – Part 4-1: System-dependent requirements for antennas (EN 302 217-4-1 V1.4.1:2010)
- HRN EN 302 264-1 V1.1.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Telematika cestovnog prijevoza i prometa (RTTT) – Radar kratkoga dometa koji radi u frekvencijskome pojasu od 77 GHz do 81 GHz (EN 302 264-1 V1.1.1:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Road Transport and Traffic Telematics (RTTT) – Short Range Radar equipment operating in the 77 GHz to 81 GHz band (EN 302 264-1 V1.1.1:2009)
- HRN EN 302 307 V1.2.1:2012 en pr  
Digitalna videodifuzija (DVB) – Druga generacija strukture okvira, kodiranje kanala i modulacijski sustavi za radiodifuziju, interaktivne usluge, prikupljanje novosti i druge širokopojasne satelitske primjene (DVB-S2) (EN 302 307 V1.2.1:2009)  
Digital Video Broadcasting (DVB) – Second generation framing structure, channel coding and modulation systems for Broadcasting, Interactive Services, News Gathering and other broadband satellite applications (DVB-S2) (EN 302 307 V1.2.1:2009)



- HRN EN 302 435-1 V1.3.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Tehničke karakteristike za SRD opremu s ultra širokopojasnom tehnologijom (UWB) – Analiza građevinskog materijala i klasifikacija opreme koja se primjenjuje u frekvencijskome pojasu od 2,2 GHz do 8,5 GHz – 1. dio: Tehničke karakteristike i metode mjerenja (EN 302 435-1 V1.3.1:2009)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra WideBand technology (UWB) – Building Material Analysis and Classification equipment applications operating in the frequency band from 2,2 GHz to 8,5 GHz – Part 1: Technical characteristics and test methods (EN 302 435-1 V1.3.1:2009)
- HRN EN 302 498-1 V1.1.1:2012 en pr  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Tehničke karakteristike za SRD opremu s ultra širokopojasnom tehnologijom (UWB) – Razlučivanje objekata i primjene karakterizacije za energetske uređaje koji rade u frekvencijskome pojasu od 2,2 GHz do 8,5 GHz – 1. dio: Tehničke karakteristike i metode mjerenja (EN 302 498-1 V1.1.1:2010)  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra WideBand technology (UWB) – Object Discrimination and Characterization Applications for power tool devices operating in the frequency band from 2,2 GHz to 8,5 GHz – Part 1: Technical characteristics and test methods (EN 302 498-1 V1.1.1:2010)
- HRN EN 302 550-1-1 V1.1.1:2012 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Sustavi satelitskog digitalnog radija (SDR) – 1. dio: Fizički sloj i radijsko sučelje – 1. pod-dio: Vanjski fizički sloj (EN 302 550-1-1 V1.1.1:2010)  
Satellite Earth Stations and Systems (SES) – Satellite Digital Radio (SDR) Systems – Part 1: Physical Layer of the Radio Interface – Sub-part 1: Outer Physical Layer (EN 302 550-1-1 V1.1.1:2010)
- HRN EN 302 550-1-2 V1.1.1:2012 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Sustavi satelitskog digitalnog radija (SDR) – 1. dio: Fizički sloj i radijsko sučelje – 2. pod-dio: Modulacija jednostrukog nositelja unutar fizičkog sloja (EN 302 550-1-2 V1.1.1:2010)  
Satellite Earth Stations and Systems (SES) – Satellite Digital Radio (SDR) Systems – Part 1: Physical Layer of the Radio Interface – Sub-part 2: Inner Physical Layer Single Carrier Modulation (EN 302 550-1-2 V1.1.1:2010)
- HRN EN 302 550-1-3 V1.1.1:2012 en pr  
Satelitske zemaljske postaje i sustavi (SES) – Sustavi satelitskog digitalnog radija (SDR) – 1. dio: Fizički sloj i radijsko sučelje – 3. pod-dio: Modulacija višestrukog nositelja unutarnjeg fizičkog sloja (EN 302 550-1-3 V1.1.1:2010)  
Satellite Earth Stations and Systems (SES) – Satellite Digital Radio (SDR) Systems – Part 1: Physical Layer of the Radio Interface – Sub-part 3: Inner Physical Layer Multi Carrier Modulation (EN 302 550-1-3 V1.1.1:2010)
- HRN EN 302 583 V1.1.2:2012 en pr  
Digitalna videodifuzija (DVB) – Struktura okvira kodiranja kanala i modulacije za ručne uređaje (SH) satelitskih službi niže od 3 GHz (EN 302 583 V1.1.2:2010)  
Digital Video Broadcasting (DVB) – Framing Structure, channel coding and modulation for Satellite Services to Handheld devices (SH) below 3 GHz (EN 302 583 V1.1.2:2010)
- HRN EN 302 755 V1.1.1:2012 en pr  
Digitalna videodifuzija (DVB) – Struktura okvira kodiranja kanala i modulacije za radiodifuzijski sustav druge generacije digitalne terestrijalne televizije (DVB-T2) (EN 302 755 V1.1.1:2009)  
Digital Video Broadcasting (DVB) – Frame structure channel coding and modulation for a second generation digital terrestrial television broadcasting system (DVB-T2) (EN 302 755 V1.1.1:2009)
- HRN EN 302 769 V1.1.1:2012 en pr  
Digitalna videodifuzija (DVB) – Struktura okvira kodiranja kanala i modulacije za kablovske sustave druge generacije sustava digitalnog prijenosa (DVB-C2) (EN 302 769 V1.1.1:2010)  
Digital Video Broadcasting (DVB) – Frame structure channel coding and modulation for a second generation digital transmission system for cable systems (DVB-C2) (EN 302 769 V1.1.1:2010)
- HRN EN 302 842-1 V1.2.2:2012 en pr  
Zrak-zemlja i zrak-zrak digitalni VHF link (VDL) 4. mod – Tehničke značajke i mjerne metode za zrakoplovnu pokretnu opremu u zrakoplovu – 1. dio: Fizički sloj (EN 302 842-1 V1.2.2:2010)  
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment – Part 1: Physical layer (EN 302 842-1 V1.2.2:2010)
- HRN EN 302 842-1 V1.2.3:2012 en pr  
Zrak-zemlja i zrak-zrak digitalni VHF link (VDL) 4. mod – Tehničke značajke i mjerne metode za zrakoplovnu pokretnu opremu u zrakoplovu – 1. dio: Fizički sloj (EN 302 842-1 V1.2.3:2011)  
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment – Part 1: Physical layer (EN 302 842-1 V1.2.3:2011)
- HRN EN 302 842-4 V1.2.2:2012 en pr  
Zrak-zemlja i zrak-zrak digitalni VHF link (VDL) 4. mod – Tehničke značajke i mjerne metode za zrakoplovnu pokretnu opremu u zrakoplovu – 4. dio: Funkcije točka-točka (EN 302 842-4 V1.2.2:2010)  
VHF air-ground and air-air Digital Link (VDL) Mode 4 radio equipment – Technical characteristics and methods of measurement for aeronautical mobile (airborne) equipment – Part 4: Point-to-point functions (EN 302 842-4 V1.2.2:2010)
- HRN EN 303 212 V1.1.1:2012 en pr  
Zajedničko odlučivanje zračnih luka (A-CDM) – Specifikacija zajednice za primjenu u skladu s Pravilnikom o suradnji pod jedinstvenim europskim nebom EC 552/2004 (EN 303 212 V1.1.1:2010)  
Airport Collaborative Decision Making (A-CDM) – Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 (EN 303 212 V1.1.1:2010)
- HRN EN 303 213-1 V1.1.1:2012 en pr  
Unaprijedni sustav vođenja i nadziranja kretanja na tlu (A-SMGCS) – 1. dio: Specifikacija zajednice za primjenu u skladu s Pravilnikom o suradnji pod jedinstvenim europskim nebom EC 552/2004 (EN 303 213-1 V1.1.1:2009)  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces (EN 303 213-1 V1.1.1:2009)

HRN EN 303 213-1 V1.2.1:2012 en pr  
Unaprijeđeni sustav vođenja i nadziranja kretanja na tlu (A-SMGCS) – 1. dio: Specifikacija zajednice za primjenu u skladu s Pravilnikom o suradnji pod jedinstvenim europskim nebom EC 552/2004 za A-SMGCS razine 1 koja obuhvaća vanjska sučelja (EN 303 213-1 V1.2.1:2010)  
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces (EN 303 213-1 V1.2.1:2010)

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

HRI CEN/TR 14980:2012 en pr  
Solid recovered fuels – Report on relative difference between biodegradable and biogenic fractions of SRF (CEN/TR 14980:2004)

HRN EN 15415-2:2012 en pr  
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 en pr  
Solid recovered fuels – Determination of particle size distribution – Part 3: Method by image analysis for large dimension particles (EN 15415-3:2012)

HRI CEN/TR 15441:2012 en pr  
Solid recovered fuels – Guidelines on occupational health aspects (CEN/TR 15441:2006)

HRI CEN/TR 15508:2012 en pr  
Key properties on solid recovered fuels to be used for establishing a classification system (CEN/TR 15508:2006)

HRI CEN/TR 15591:2012 en pr  
Solid recovered fuels – Determination of the biomass content based on the 14C method (CEN/TR 15591:2007)

HRI CEN/TR 15716:2012 en pr  
Solid recovered fuels – Determination of combustion behaviour (CEN/TR 15716:2008)

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

HRN EN ISO 6360-2:2008/A1:2012 en pr  
Dentistry – Number coding system for rotary instruments – Part 2: Shapes – Amendment 1 (ISO 6360-2:2004/Amd 1:2011; EN ISO 6360-2:2004/A1:2011)

HRN EN ISO 8536-2:2012 en pr  
Infusion equipment for medical use – Part 2: Closures for infusion bottles (ISO 8536-2:2010; EN ISO 8536-2:2010)

HRN EN ISO 8536-5:2012 en pr  
Infusion equipment for medical use – Part 5: Burette infusion sets for single use, gravity feed (ISO 8536-5:2004; EN ISO 8536-5:2011)

HRN EN ISO 9693-1:2012 en pr  
Dentistry – Compatibility testing – Part 1: Metal-ceramic systems (ISO 9693-1:2012; EN ISO 9693-1:2012)

HRN EN ISO 11608-1:2012 en pr  
Needle-based injection systems for medical use – Requirements and test methods – Part 1: Needle-based injection systems (ISO 11608-1:2012; EN ISO 11608-1:2012)

HRN EN ISO 11608-2:2012 en pr  
Needle-based injection systems for medical use – Requirements and test methods – Part 2: Needles (ISO 11608-2:2012; EN ISO 11608-2:2012)

HRN EN 12182:2012 en pr  
Assistive products for persons with disability – General requirements and test methods (EN 12182:2012)

HRN EN ISO 20126:2012 en pr  
Dentistry – Manual toothbrushes – General requirements and test methods (ISO 20126:2012; EN ISO 20126:2012)

HRN EN ISO 21672-1:2012 en pr  
Dentistry – Periodontal probes – Part 1: General requirements (ISO 21672-1:2012; EN ISO 21672-1:2012)

HRN EN ISO 25539-3:2012 en pr  
Cardiovascular implants – Endovascular devices – Part 3: Vena cava filters (ISO 25539-3:2011; EN ISO 25539-3:2011)

### **HZNTU S2, *Zdravlje, okoliš i medicinska oprema 2***

HRS CEN/TS 16177:2012 en pr  
Sludge, treated biowaste and soil – Extraction for the determination of extractable ammonia, nitrate and nitrite (CEN/TS 16177:2012)

HRS CEN/TS 16178:2012 en pr  
Sludge, treated biowaste and soil – Determination of pharmaceutical products (CEN/TS 16178:2012)

HRS CEN/TS 16182:2012 en pr  
Sludge treated biowaste and soil – Determination of nonylphenols (NP) and nonylphenol-mono- and diethoxylates using gas chromatography with mass selective detection (GC-MS) (CEN/TS 16182:2012)

HRS CEN/TS 16183:2012 en pr  
Sludge, treated biowaste and soil – Determination of selected phthalates using capillary gas chromatography with mass spectrometric detection (GC-MS) (CEN/TS 16183:2012)

HRS CEN/TS 16188:2012 en pr  
Sludge, treated biowaste and soil – Determination of elements in aqua regia and nitric acid digests – Flame atomic absorption spectrometry method (FAAS) (CEN/TS 16188:2012)

HRS CEN/TS 16189:2012 en pr  
Sludge, treated biowaste and soil – Determination of linear alkylbenzene sulfonates (LAS) by high-performance liquid chromatography (HPLC) with fluorescence detection (FLD) or mass selective detection (MS) (CEN/TS 16189:2012)

HRS CEN/TS 16190:2012 en pr  
Sludge, treated biowaste and soil – Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with high resolution mass selective detection (HR GC-MS) (CEN/TS 16190:2012)

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

HRN EN 1459:2012 en pr  
Safety of industrial trucks – Self-propelled variable reach trucks (EN 1459:1998+A3:2012)

HRN EN 3475-603:2011/Ispr.1:2012 en pr  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 603: Resistance to wet arc tracking (EN 3475-603:2011/AC:2011)

HRN EN 15194:2012 en pr  
Cycles – Electrically power assisted cycles – EPAC Bicycles (EN 15194:2009+A1:2011)

## 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 EN 589 hr pp/na  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2008+A1:2012)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2008+A1:2012)
- nHRN ISO 1998-1 hr pp  
Naftna industrija – Nazivlje – 1. dio: Sirovine i proizvodi (ISO 1998-1:1998+Cor 1:1999)  
Petroleum industry – Terminology – Part 1: Raw materials and products (ISO 1998-1:1998+Cor 1:1999)

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

- nHRN EN 1991-1-1 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-1: Opća djelovanja – Obujamske težine, vlastite težine i uporabna opterećenja zgrada (EN 1991-1-1:2002+AC:2009)  
Eurocode 1: Actions on structures – Part 1-1: General actions – Densities, self-weight and imposed loads for buildings (EN 1991-1-1:2002+AC:2009)
- nHRN EN 1991-1-2 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-2: Opća djelovanja – Djelovanja na konstrukcije izložene požaru (EN 1991-1-2:2002+AC:2010)  
Eurocode 1: Actions on structures – Part 1-2: General actions – Actions on structures exposed to fire (EN 1991-1-2:2002+AC:2010)
- nHRN EN 1991-1-3 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-3: Opća djelovanja – Opterećenja snijegom (EN 1991-1-3:2003+AC:2009)  
Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads (EN 1991-1-3:2003+AC:2009)
- nHRN EN 1991-1-4 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-4: Opća djelovanja – Djelovanja vjetra (EN 1991-1-4:2005+AC:2010+A1:2010)  
Eurocode 1: Actions on structures – Part 1-4: General actions – Wind actions (EN 1991-1-4:2005+AC:2010+A1:2010)
- nHRN EN 1991-1-5 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-5: Opća djelovanja – Toplinska djelovanja (EN 1991-1-5:2003+AC:2009)  
Eurocode 1: Actions on structures – Part 1-5: General actions – Thermal actions (EN 1991-1-5:2003+AC:2009)
- nHRN EN 1991-1-6 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-6: Opća djelovanja – Djelovanja tijekom izvedbe (EN 1991-1-6:2005+AC:2008)  
Eurocode 1: Actions on structures Part 1-6: General actions – Actions during execution (EN 1991-1-6:2005+AC:2008)

- nHRN EN 1991-1-7 hr pp  
Eurokod 1: Djelovanja na konstrukcije – Dio 1-7: Opća djelovanja – Izvanredna djelovanja (EN 1991-1-7:2006+AC:2010)  
Eurocode 1: Actions on structures – Part 1-7: General actions – Accidental actions (EN 1991-1-7:2006+AC:2010)
- nHRN EN 1991-2 hr pp  
Eurokod 1: Djelovanja na konstrukcije – 2. dio: Prometna opterećenja mostova (EN 1991-2:2003+AC:2010)  
Eurocode 1: Actions on structures – Part 2: Traffic loads on bridges (EN 1991-2:2003+AC:2010)
- nHRN EN 1991-3 hr pp  
Eurokod 1: Djelovanja na konstrukcije – 3. dio: Djelovanja prouzročena kranovima i strojevima (EN 1991-3:2006)  
Eurocode 1: Actions on structures – Part 3: Actions induced by cranes and machinery (EN 1991-3:2006)
- nHRN EN 1991-4 hr pp  
Eurokod 1: Djelovanja na konstrukcije – 4. dio: Silosi i spremnici tekućina (EN 1991-4:2006)  
Eurocode 1: Actions on structures – Part 4: Silos and tanks (EN 1991-4:2006)
- nHRN EN 1994-1-1 hr pp  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade (EN 1994-1-1:2004)  
Eurocode 4: Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings (EN 1994-1-1:2004)
- nHRN EN 1994-1-1/NA hr izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-1: Opća pravila i pravila za zgrade – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 1-1: General rules and rules for buildings – National annex
- nHRN EN 1994-1-2 hr pp  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-2: Opća pravila – Projektiranje konstrukcija na djelovanje požara (EN 1994-1-2:2005+AC:2008)  
Eurocode 4: Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design (EN 1994-1-2:2005+AC:2008)
- nHRN EN 1994-1-2/NA hr izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – Dio 1-2: Opća pravila – Projektiranje konstrukcija na djelovanje požara – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design – National annex
- nHRN EN 1994-2 hr pp  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – 2. dio: Opća pravila i pravila za mostove (EN 1994-2:2005+AC:2008)  
Eurocode 4: Design of composite steel and concrete structures – Part 2: General rules and rules for bridges (EN 1994-2:2005+AC:2008)
- nHRN EN 1994-2/NA hr izv  
Eurokod 4: Projektiranje spregnutih čelično-betonskih konstrukcija – 2. dio: Opća pravila i pravila za mostove – Nacionalni dodatak  
Eurocode 4: Design of composite steel and concrete structures – Part 2: General rules and rules for bridges – National annex

### 1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

#### HZN/TO 8, *Brodogradnja*

EN 1570-1:2011 en

Safety requirements for lifting tables – Part 1: Lifting tables serving up to two fixed landings

Sigurnosni zahtjevi za podizne platforme – 1. dio: Podizne platforme za opsluživanje do dvije fiksne površine

EN ISO 6185-4:2011 en

Inflatable boats – Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater (ISO 6185-4:2011)

Brodice na napuhavanje – 4. dio: Brodice duljine trupa između 8 m i 24 m sa snagom motora od 15 kW i više (ISO 6185-4:2011)

EN ISO 11591:2011 en

Small craft, engine-driven – Field of vision from helm position (ISO 11591:2011)

Motorna mala plovila – Preglednost s mjesta upravljanja (ISO 11591:2011)

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

prEN 54-2 rev en

Fire detection and fire alarm systems – Part 2: Control and indicating equipment

prEN 14604 en

Smoke alarm devices

#### HZN/TO 22, *Cestovna vozila*

prEN 12645 en

Tyre pressure measuring instruments – Apparatus for inspection of pressure and/or inflation of tyres for motor vehicles – Metrology, requirements and testing

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

prEN 10293 rev en

Steel casting and forgings – Steel castings for general engineering uses

Čelični odljevci i otkivci – Čelični odljevci za opću inženjersku upotrebu

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

prEN 16143 en

Extender Oils – Determination of selected polycyclic aromatic hydrocarbons (PAH) – Procedure using double LC cleaning and GC/MS analysis

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

prEN 16378 en

Cereals – Determination of Besatz in maize (*Zea mays*, L.) and sorghum (*Sorghum bicolor*, L.)

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

prEN ISO 16474-1 en

Paints and varnishes – Methods of exposure to laboratory light sources – Part 1: General guidance (ISO/DIS 16474-1:2012)

prEN ISO 16474-2 en

Paints and varnishes – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps (ISO/DIS 16474-2:2012)

prEN ISO 16474-3 en

Paints and varnishes – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO/DIS 16474-3:2012)

#### HZN/TO 43, *Akustika*

DIN 18041:2004 de

Hörsamkeit in kleinen bis mittelgroßen Räumen  
Akustička kvaliteta malih do srednje velikih prostorija

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

FprEN 13282-2 en

Hydraulic road binders – Part 2: Normal hardening hydraulic road binders – Composition, specifications and conformity criteria

Hidraulična veziva za ceste – 2. dio: Normalno otvrdnjavajuća hidraulična veziva za ceste – Sastav, specifikacije i kriteriji sukladnosti

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

prEN 120 rev en

Wood-based panels – Determination of formaldehyde release – Extraction method (called the perforator method)

Ploče na osnovi drva – Određivanje slobodnoga formaldehida – Ekstrakcijska metoda (nazvana perforatorska metoda)

prEN 717-2 rev en

Wood-based panels – Determination of formaldehyde release – Part 2: Gas analysis method

Ploče na osnovi drva – Određivanje slobodnoga formaldehida – 2. dio: Metoda plinske analize

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

prEN ISO 5367 en

Anaesthetic and respiratory equipment – Breathing sets and connectors (ISO/DIS 5367:2012)

prEN ISO 10079-2 en

Medical suction equipment – Part 2: Manually powered suction equipment (ISO/DIS 10079-2:2012)

EN ISO 15001:2011 en

Anaesthetic and respiratory equipment – Compatibility with oxygen (ISO 15001:2010)

Anestetička i respiracijska oprema – Kompatibilnost s kisikom (ISO 15001:2010)

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

prEN ISO 3452-2 rev en

Non-destructive testing – Penetrant testing – Part 2: Testing of penetrant materials (ISO/DIS 3452-2:2012)

Nerazorno ispitivanje – Ispitivanje penetrantima – 2. dio: Ispitivanje penetrantnih materijala (ISO/DIS 3452-2:2012)

prEN ISO 3452-3 en

Non-destructive testing – Penetrant testing – Part 3: Reference test blocks (ISO/DIS 3452-3:2012)

Nerazorno ispitivanje – Ispitivanje penetrantima – 3. dio: Referencijski etaloni (ISO/DIS 3452-3:2012)

prEN ISO 5579 en

Non-destructive testing – Radiographic testing of metallic materials using film and X- or gamma rays – Basic rules (ISO/DIS 5579:2012)

Nerazorno ispitivanje – Radiografsko ispitivanje metalnih materijala upotrebom filma i rendgenskog ili gama zračenja – Osnovna pravila (ISO/DIS 5579:2012)

prEN 16392-2 en

Non Destructive Testing – Characterisation and verification of ultrasonic phased array systems – Part 2: Probes



Nerazorno ispitivanje – Karakterizacija i provjeravanje ultrazvučnih višepretvorničkih, fazno upravljanih sustava – 2. dio: Sonde

prEN 16407-1 en

Non-destructive testing – Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays – Part 1: Tangential radiographic inspection  
Nerazorno ispitivanje – Radiografsko ispitivanje korozije i naslaga u cijevima upotrebom rendgenskog i gama zračenja – 1. dio: Radiografsko ispitivanje tangencijskom tehnikom

prEN 16407-2 en

Non-destructive testing – Radiographic inspection of corrosion and deposits in pipes by X- and gamma rays – Part 2: Double Wall radiographic inspection  
Nerazorno ispitivanje – Radiografsko ispitivanje korozije i naslaga u cijevima upotrebom rendgenskog i gama zračenja – 2. dio: Radiografsko ispitivanje tehnikom dvostruke stijenke

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

FprEN ISO 10147 en

Pipes and fittings made of crosslinked polyethylene (PE-X) – Estimation of the degree of crosslinking by determination of the gel content (ISO 10147:2011)

FprCEN/TS 13476-4 en

Plastics piping systems for non-pressure underground drainage and sewerage – Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 4: Guidance for the assessment of conformity  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Cijevni sustavi sa strukturiranom stijenkom od neomekšanoga poli(vinil-klorida) (PVC-U), polipropilena (PP) i polietilena (PE) – 4. dio: Upute za ocjenjivanje sukladnosti

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

prEN 13946 en

Water quality – Guidance for the routine sampling and pre-treatment of benthic diatoms from rivers and lakes

prEN 14184 en

Water quality – Guidance for the surveying of aquatic macrophytes in running waters

prEN 14407 en

Water quality – Guidance for the identification, enumeration and interpretation of benthic diatom samples from rivers and lakes

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

EN ISO 10077-2:2012 en

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames (ISO 10077-2:2012)  
Toplinske značajke prozora, vrata i zaslona – Proračun koeficijenta prolaska topline – 2. dio: Numerička metoda za okvire (ISO 10077-2:2012)

FprEN 13469 en

Thermal insulating products for building equipment and industrial installations – Determination of water vapour transmission properties of preformed pipe insulation

FprEN 13472 en

Thermal insulating products for building equipment and industrial installations – Determination of short term water absorption by partial immersion of preformed pipe insulation

prEN 13496 en

Thermal insulation products for building applications – Determination of the mechanical properties of glass fibre meshes

FprEN 14706 en

Thermal insulating products for building equipment and industrial installations – Determination of maximum service temperature

FprEN 14707 en

Thermal insulating products for building equipment and industrial installations – Determination of maximum service temperature for preformed pipe insulation

prEN 16382 en

Thermal insulation products for building applications – Determination of the pull-through resistance of anchors through thermal insulation products

prEN 16383 en

Thermal insulating products for building applications – Determination of the hygrothermal behaviour of external thermal insulation composite systems with renders (ETICS)

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

CEN/TS 81-76:2011 en

Safety rules for the construction and installation of lifts – Particular applications for passengers and goods passenger lifts – Part 76: Evacuation of disabled persons using lifts

Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 76. dio: Evakuacija osoba s invalidnošću i sa smanjenom pokretljivošću s pomoću dizala

prEN 81-82 en

Safety rules for the construction and installation of lifts – Existing lifts – Part 82: Rules for the improvement of the accessibility of existing lifts for persons including persons with disability

Sigurnosna pravila za konstrukciju i ugradnju dizala – Postojeća dizala – 82. dio: Poboljšanje pristupačnosti dizala osobama s posebnim potrebama

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

FprEN 1537 en

Execution of special geotechnical work – Ground anchors

Izvedba posebnih geotehničkih radova – Sidra u tlu i stijeni

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

ISO/TR 14047:2003 en

Environmental management – Life cycle impact assessment – Examples of application of ISO 14042  
Upravljanje okolišem – Procjena utjecaja životnog ciklusa – Primjeri primjene ISO 14042

ISO/TS 14048:2002 en

Environmental management – Life cycle assessment – Data documentation format  
Upravljanje okolišem – Procjena životnog ciklusa – Format podataka dokumentacije

ISO/TR 14049:2000 en

Environmental management – Life cycle assessment – Examples of application of ISO 14041 to goal and scope definition and inventory analysis  
Upravljanje okolišem – Procjena životnog ciklusa – Primjeri primjene ISO 14041 prema cilju i opsegu definicije registra

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

CR 1350:1993 en

Investigation of syntaxes for existing interchange formats to be used in health care

Istraživanje sintakse postojećih formata za razmjenu namijenjenih zdravstvenoj zaštiti



- EN ISO 10781:2009 en  
Electronic Health Record – System Functional Model, Release 1.1 (ISO 10781:2009)  
Elektronički zdravstveni zapis – Funkcionalni model sustava, izdanje 1.1 (ISO 10781:2009)
- EN ISO 11073-10404:2011 en  
Health informatics – Personal health device communication – Part 10404: Device specialization – Pulse oximeter (ISO/IEEE 11073-10404:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10404. dio: Specijalni uređaji – Pulsni oksimetar (ISO/IEEE 11073-10404:2010)
- EN ISO 11073-10407:2011 en  
Health informatics – Personal health device communication – Part 10407: Device specialization – Blood pressure monitor (ISO/IEEE 11073-10407:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10407. dio: Specijalni uređaji – Uređaj za praćenje krvnoga tlaka (ISO/IEEE 11073-10407:2010)
- EN ISO 11073-10408:2011 en  
Health informatics – Personal health device communication – Part 10408: Device specialization – Thermometer (ISO/IEEE 11073-10408:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10408. dio: Specijalni uređaji – Toplomjer (ISO/IEEE 11073-10408:2010)
- EN ISO 11073-10415:2011 en  
Health informatics – Personal health device communication – Part 10415: Device specialization – Weighing scale (ISO/IEEE 11073-10415:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10415. dio: Specijalni uređaji – Vaga (ISO/IEEE 11073-10415:2010)
- EN ISO 11073-10417:2011 en  
Health informatics – Personal health device communication – Part 10417: Device specialization – Glucose meter (ISO/IEEE 11073-10417:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10417. dio: Specijalni uređaji – Mjerač glukoze (ISO/IEEE 11073-10417:2010)
- EN ISO 11073-10471:2011 en  
Health Informatics – Personal health device communication – Part 10471: Device specialization – Independant living activity hub (ISO/IEEE 11073-10471:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 10471. dio: Specijalni uređaji – Sustav kućnih uređaja za samostalan život starih i bolesnih osoba (ISO/IEEE 11073-10471:2010)
- EN ISO 11073-20601:2011 en  
Health informatics – Personal health device communication – Part 20601: Application profile – Optimized exchange protocol (ISO/IEEE 11073-20601:2010)  
Medicinska informatika – Komunikacija među osobnim medicinskim uređajima – 20601. dio: Profil aplikacije – Optimizirani protokol izmjene podataka (ISO/IEEE 11073-20601:2010)
- CR 12161:1995 en  
A method for defining profiles for healthcare  
Metoda definiranja profila u zdravstvenoj zaštiti
- ENV 12443:1999 en  
Medical informatics – Healthcare Information Framework (HIF)  
Medicinska informatika – Radni okvir za zdravstvene informacije (HIF)
- ENV 12537-1:1997 en  
Medical informatics – Registration of information objects used for EDI in healthcare – Part 1: The register  
Medicinska informatika – Registracija informacijskih objekata u elektroničkoj distribuciji informacija (EDI) u zdravstvu – 1. dio: Registar
- CR 12587:1996 en  
Medical informatics – Methodology for the development of healthcare messages  
Medicinska informatika – Metodologija za razvoj poruka u zdravstvu
- ENV 12610:1997 en  
Medical informatics – Medicinal product identification  
Medicinska informatika – Identifikacija medicinskih proizvoda
- ENV 12611:1997 en  
Medical informatics – Categorial structure of systems of concepts – Medical devices  
Medicinska informatika – Kategorijska struktura sustava koncepata – Medicinski uređaji
- ENV 12612:1997 en  
Medical informatics – Messages for the exchange of healthcare administrative information  
Medicinska informatika – Poruke za razmjenu administrativnih informacija u zdravstvu
- FprEN ISO 13606-1 en  
Health informatics – Electronic health record communication – Part 1: Reference model (ISO 13606-1:2008)
- EN ISO 13606-5:2010 en  
Health informatics – Electronic health record communication – Part 5: Interface specification (ISO 13606-5:2010)  
Medicinska informatika – Prijenos elektroničkoga zdravstvenog zapisa – 5. dio: Specifikacija sučelja (ISO 13606-5:2010)
- ENV 13609-2:2000 en  
Health informatics – Messages for maintenance of supporting information in healthcare systems – Part 2: Updating of medical laboratory-specific information  
Medicinska informatika – Poruke za potporu informacijama u zdravstvenome sustavu – 2. dio: Ažuriranje medicinskih informacija specifičnih za laboratorij
- CR 13694:1999 en  
Health informatics – Safety and Security Related Software Quality Standards for Healthcare (SSQS)  
Medicinska informatika – Norme kvalitete za programsku podršku koja se odnosi na sigurnost i zaštitu u zdravstvenoj zaštiti (SSQS)
- ENV 13730-1:2001 en  
Health informatics – Blood transfusion related messages – Part 1: Subject of care related messages  
Medicinska informatika – Poruke koje se odnose na transfuziju krvi – 1. dio: Poruke koje se odnose na subjekt zdravstvene skrbi
- ENV 13730-2:2002 en  
Healthcare informatics – Blood transfusion related messages – Part 2: Production related messages (BTR-PROD)  
Medicinska informatika – Poruke koje se odnose na transfuziju krvi – 2. dio: Poruke koje se odnose na proizvod
- CR 14301:2002 en  
Health informatics – Framework for security protection of healthcare communication  
Medicinska informatika – Radni okvir za sigurnosnu zaštitu komunikacije u zdravstvenoj zaštiti
- CR 14302:2002 en  
Health informatics – Framework for security requirements for intermittently connected devices  
Medicinska informatika – Radni okvir za sigurnosne zahtjeve za uređaje koji se povremeno spajaju

- CEN/TS 14822-4:2005 en  
Health informatics – General purpose information components – Part 4: Message headers  
Medicinska informatika – Informacije za opću uporabu – 4. dio: Zaglavlja poruka
- CEN/TR 15212:2006 en  
Health informatics – Vocabulary – Maintenance procedure for a web-based terms and concepts database  
Medicinska informatika – Rječnik – Procedura održavanja baze podataka mrežno utemeljenih naziva i pojmova
- CEN/TR 15253:2005 en  
Health informatics – Quality of service requirements for health information interchange  
Medicinska informatika – Zahtjevi za kvalitetu usluga u razmjeni zdravstvenih informacija
- CEN/TS 15260:2006 en  
Health informatics – Classification of safety risks from health informatics products  
Medicinska informatika – Razredba sigurnosnih rizika od proizvoda medicinske informatike
- CEN/TR 15299:2006 en  
Health informatics – Safety procedures for identification of patients and related objects  
Medicinska informatika – Sigurnosni postupci za identifikaciju pacijenata i s njim povezanih objekata
- CEN/TR 15300:2006 en  
Health informatics – Framework for formal modelling of healthcare security policies  
Medicinska informatika – Radni okvir za formalno modeliranje zdravstvenih sigurnosnih politika
- CEN/TR 15640:2007 en  
Health informatics – Measures for ensuring the patient safety of health software  
Medicinska informatika – Mjere za osiguranje sigurnosti pacijenta pri primjeni programske podrške u zdravstvu
- CEN/TS 15699:2009 en  
Health informatics – Clinical knowledge resources – Metadata  
Medicinska informatika – Izvori kliničkoga znanja – Metapodaci
- EN ISO 21090:2011 en  
Health Informatics – Harmonized data types for information interchange (ISO 21090:2011)  
Medicinska informatika – Usklađeni tipovi podataka za razmjenu informacija (ISO 21090:2011)
- EN ISO 21549-8:2010 en  
Health informatics – Patient healthcard data – Part 8: Links (ISO 21549-8:2010)  
Medicinska informatika – Podaci na zdravstvenoj kartici pacijenta – Poveznice (ISO 21549-8:2010)
- ISO/HL7 27931:2009 en  
Data Exchange Standards – Health Level Seven Version 2.5 – An application protocol for electronic data exchange in healthcare environments  
Norme za razmjenu podataka – HL7 inačica 2.5 – Aplikacijski protokol za elektroničku razmjenu podataka u zdravstvenome sustavu
- ISO/HL7 27932:2009 en  
Data Exchange Standards – HL7 Clinical Document Architecture, Release 2  
Norme za razmjenu podataka – Arhitektura kliničkoga dokumenta HL7, 2. izdanje
- ISO/HL7 27951:2009 en  
Health informatics – Common terminology services, release 1  
Medicinska informatika – Zajedničke terminološke usluge, 1. izdanje
- HZN/TO 217, *Kozmetika***  
ISO 10130:2009 en  
Cosmetics – Analytical methods – Nitrosamines: Detection and determination of N-nitrosodiethanolamine (NDELA) in cosmetics by HPLC, post-column photolysis and derivatization  
Kozmetika – Analitičke metode – Nitrozamini: određivanje i kvantifikacija N-nitrozodietanolamina (NDELA) u kozmetici HPLC tehnikom, postkolonska fotoliza i derivatizacija
- HZN/TO 218, *Drvo***  
FprEN 117 en  
Wood preservatives – Determination of toxic values against Reticulitermes species (European termites) (Laboratory method)
- HZN/TO 219, *Podne obloge***  
FprEN 650 en  
Resilient floor coverings – Polyvinyl chloride floor coverings on jute backing or on polyester felt backing or on a polyester felt with a polyvinyl chloride backing – Specification  
Elastične podne obloge – Poli(vinil-kloridne) podne obloge na poledini od jute, poliesterskog filca ili poliesterskog filca s poli(vinil-kloridom) – Specifikacija
- HZN/TO 502, *Plinski uređaji***  
prEN 26 en  
Gas-fired instantaneous water heaters for the production of domestic hot water
- HZN/TO 503, *Metalni materijali***  
prEN ISO 377 rev en  
Steel and steel products – Location and preparation of samples and test pieces for mechanical testing (ISO/DIS 377:2012)  
Čelik i čelični proizvodi – Položaj i priprema uzoraka i ispitnih uzoraka za mehanička ispitivanja (ISO/DIS 377:2012)
- prEN ISO 1179-1 en  
Connections for general use and fluid power – Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing – Part 1: Threaded ports (ISO/DIS 1179-1:2012)  
Priključci za opću upotrebu i namjenu u hidraulici – Navojni otvori i navojni čepovi s navojima ISO 228-1 i s elastomernim brtvljenjem ili brtvljenjem metal na metal – 1. dio: Navojni otvori (ISO/DIS 1179-1:2012)
- prEN ISO 1179-2 en  
Connections for general use and fluid power – Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing – Part 2: Heavy-duty (S series) and light-duty (L series) stud ends with elastomeric sealing (type E) (ISO/DIS 1179-2:2012)  
Priključci za opću upotrebu i namjenu u hidraulici – Navojni otvori i navojni čepovi s navojima ISO 228-1 i s elastomernim brtvljenjem ili brtvljenjem metal na metal – 2. dio: Navojni čepovi za teške uvjete rada (S niz) i lake uvjete rada (L niz) s elastomernim brtvljenjem (tip E) (ISO/DIS 1179-2:2012)
- prEN 10107 rev en  
Grain-oriented electrical steel strip and sheet delivered in the fully processed state  
Čelična elektrotraka i elektrolim usmjerenoga zrna isporučeni u potpuno obrađenom stanju
- EN 10245-5:2011 en  
Steel wire and wire products – Organic coatings on steel wire – Part 5: Polyamide coated wire  
Čelična žica i žičani proizvodi – Organske prevlake na čeličnoj žici – 5. dio: Žica prevučena poliamidom

- prEN 10358 en  
Unalloyed steel plumbing fittings — Fittings with press ends for unalloyed steel tubes  
Vodovodne spojnice od nelegiranoga čelika — Spojnice s tlačnim završecima za cijevi od nelegiranoga čelika
- FprEN 12450 en  
Copper and copper alloys — Seamless, round copper capillary tubes  
Bakar i legure bakra — Bešavne okrugle bakrene kapilarne cijevi
- prEN ISO 14577-1 rev en  
Metallic materials — Instrumented indentation test for hardness and materials parameters — Part 1: Test method (ISO/DIS 14577-1:2012)  
Metalni materijali — Instrumentirano ispitivanje utiskivanjem za određivanje tvrdoće i parametara materijala — 1. dio: Metoda ispitivanja (ISO/DIS 14577-1:2012)
- prEN ISO 14577-2 rev en  
Metallic materials — Instrumented indentation test for hardness and materials parameters — Part 2: Verification and calibration of testing machines (ISO/DIS 14577-2:2012)  
Metalni materijali — Instrumentirano ispitivanje utiskivanjem za određivanje tvrdoće i parametara materijala — 2. dio: Provjeravanje i umjeravanje ispitnih strojeva (ISO/DIS 14577-2:2012)
- prEN ISO 14577-3 rev en  
Metallic materials — Instrumented indentation test for hardness and materials parameters — Part 3: Calibration of reference blocks (ISO/DIS 14577-3:2012)  
Metalni materijali — Instrumentirano ispitivanje utiskivanjem za određivanje tvrdoće i parametara materijala — 3. dio: Umjeravanje referentnih pločica (ISO/DIS 14577-3:2012)

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

- prEN ISO 13734 en  
Natural gas — Organic components used as odorants — Requirements and test methods (ISO/DIS 13734:2012)

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

- EN 1317-5:2007+A2:2012 en  
Road restraint systems — Part 5: Product requirements and evaluation of conformity for vehicle restraint systems  
Zaštitni cestovni sustavi — 5. dio: Zahtjevi za proizvod i ocjenjivanje sukladnosti za zaštitne cestovne sustave
- CEN/TR 1317-6:2012 en  
Road restraint systems — Part 6: Pedestrian restraint system — Pedestrian parapets  
Zaštitni cestovni sustavi — 6. dio: Pješački cestovni sustavi — Pješački parapeti
- CEN/TR 16303-1:2012 en  
Road restraint systems — Guidelines for computational mechanics of crash testing against vehicle restraint system — Part 1: Common reference information and reporting  
Zaštitni cestovni sustavi — Smjernice za mehanizme računalnoga ispitivanja zaštitnoga sustava pri sudaru vozila — 1. dio: Osnovne referentne informacije i izvještaji
- CEN/TR 16303-2:2012 en  
Road restraint systems — Guidelines for computational mechanics of crash testing against vehicle restraint system — Part 2: Vehicle Modelling and Verification  
Zaštitni cestovni sustavi — Smjernice za mehanizme računalnoga ispitivanja zaštitnoga sustava pri sudaru vozila — 2. dio: Oblikovanje i potvrđivanje vozila

- CEN/TR 16303-3:2012 en  
Road restraint systems — Guidelines for computational mechanics of crash testing against vehicle restraint system — Part 3: Test Item Modelling and Verification  
Zaštitni cestovni sustavi — Smjernice za mehanizme računalnoga ispitivanja zaštitnoga sustava pri sudaru vozila — 3. dio: Ispitna stavka oblikovanje i potvrđivanje
- CEN/TR 16303-4:2012 en  
Road restraint systems — Guidelines for computational mechanics of crash testing against vehicle restraint system — Part 4: Validation Procedures  
Zaštitni cestovni sustavi — Smjernice za mehanizme računalnoga ispitivanja zaštitnoga sustava pri sudaru vozila — 4. dio: Postupci vrednovanja

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

- EN 15700:2011 en  
Safety for conveyor belts for winter sport or leisure use  
Sigurnost traka konvejera za zimski sport ili slobodne aktivnosti

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

- prEN 14742 en  
Characterization of sludges — Laboratory chemical conditioning procedure
- prEN 16023 en  
Characterization of waste — Determination of gross calorific value and calculation of net calorific value  
Karakterizacija otpada — Određivanje ukupne ogrjevne vrijednosti i izračun neto ogrjevne vrijednosti
- prEN 16377 en  
Characterization of waste — Determination of Brominated Flame Retardants (BFR) in Solid Waste  
Karakterizacija otpada — Određivanje bromiranih usporivača gorenja (BFR) u krutom otpada
- FprCEN/TS 16394 en  
Characterization of sludges — Protocol for preparing synthetic suspensions  
Karakterizacija muljeva — Protokoli za pripravu sintetičkih suspenzija

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

- EN ISO 12855:2012 en  
Electronic fee collection — Information exchange between service provision and toll charging (ISO 12855:2012)  
Elektronička naplata — Razmjena informacija između pružanja usluge i naplate cestarine (ISO 12855:2012)
- CEN ISO/TS 13140-2:2012 en  
Electronic fee collection — Evaluation of on-board and roadside equipment for conformity to ISO/TS 13141 — Part 2: Abstract test suite (ISO/TS 13140-2:2012)  
Elektronička naplata — Vrednovanje opreme u vozilu i opreme uz prometnicu sukladno ISO/TS 13141 — 2. dio: Načelni niz testova (ISO/TS 13140-2:2012)
- CEN ISO/TS 14907-2:2011 en  
Electronic fee collection — Test procedures for user and fixed equipment — Part 2: Conformance test for the onboard unit application interface (ISO/TS 14907-2:2011)  
Elektronička naplata — Ispitni postupci za korisničku i nepomičnu opremu — Ispitivanje sukladnosti sučelja aplikacije za uređaje ugrađene u vozilo (ISO/TS 14907-2:2011)
- EN 15876-1:2010+A1:2012 en  
Electronic fee collection — Evaluation of on-board and roadside equipment for conformity to EN 15509 — Part 1: Test suite structure and test purposes  
Elektronička naplata — Vrednovanje opreme u vozilu i opreme uz prometnicu sukladno normi EN 15509 — 1. dio: Struktura niza testova i svrha ispitivanja

- CEN/TS 16157-1:2011 en  
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 1: Context and framework  
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 1. dio: Okruženje i okvir
- CEN/TS 16157-2:2011 en  
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 2: Location referencing  
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 2. dio: Referenciranje lokacija
- CEN/TS 16157-3:2011 en  
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 3: Situation Publication  
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 3. dio: Objava situacija
- CEN/TR 16219:2011 en  
Electronic Fee Collection – Value added services based on EFC on-board equipment  
Elektronička naplata – Usluge dodane vrijednosti zasnovane na opremi za elektroničku naplatu ugrađenoj u vozilo
- CEN/TS 16331:2012 en  
Electronic fee collection – Interoperable application profiles for autonomous systems  
Elektronička naplata – Profili interoperabilnih primjena za autonomne sustave
- CEN ISO/TS 16401-1:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-2 – Part 1: Test suite structure and test purposes (ISO/TS 16401-1:2012)  
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-2 – 1. dio: Struktura niza testova i svrha testiranja (ISO/TS 16401-1:2012)
- CEN ISO/TS 16401-2:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-2 – Part 2: Abstract test suite (ISO/TS 16401-2:2012)  
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-2 – 2. dio: Načelni niz testova (ISO/TS 16401-2:2012)
- CEN ISO/TS 16403-1:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-4 – Part 1: Test suite structure and test purposes (ISO/TS 16403-1:2012)  
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-4 – 1. dio: Struktura niza testova i svrha ispitivanja (ISO/TS 16403-1:2012)
- CEN ISO/TS 16403-2:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-4 – Part 2: Abstract test suite (ISO/TS 16403-2:2012)  
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-4 – 2. dio: Načelni niz testova (ISO/TS 16403-2:2012)
- CEN ISO/TS 16407-1:2011 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-1 – Part 1: Test suite structure and test purposes (ISO/TS 16407-1:2011)  
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s ISO/TS 17575-1 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO/TS 16407-1:2011)
- CEN ISO/TS 16407-2:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-1 – Part 2: Abstract test suite (ISO/TS 16407-2:2012)
- Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-1 – 2. dio: Načelni niz testova (ISO/TS 16407-2:2012)
- CEN ISO/TS 16410-1:2011 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-3 – Part 1: Test suite structure and test purposes (ISO/TS 16410-1:2011)  
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti – Struktura ispitnog paketa i svrhe ispitivanja (ISO/TS 16410-1:2011)
- CEN ISO/TS 16410-2:2012 en  
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-3 – Part 2: Abstract test suite (ISO/TS 16410-2:2012)  
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-3 – 2. dio: Načelni niz testova (ISO/TS 16410-2:2012)

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

- EN 13146-1:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 1: Determination of longitudinal rail restraint  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 1. dio: Određivanje otpora uzdužnomu pomicanju tračnice
- EN 13146-2:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 2: Determination of torsional resistance  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 2. dio: Određivanje otpora zakretanju tračnice
- EN 13146-3:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 3: Determination of attenuation of impact loads  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 3. dio: Određivanje prigušivanja udarnoga opterećenja
- EN 13146-4:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 4: Effect of repeated loading  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 4. dio: Utjecaj ponavljanja opterećenja
- EN 13146-5:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 5: Determination of electrical resistance  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 5. dio: Određivanje električnoga otpora
- EN 13146-6:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 6: Effect of severe environmental conditions  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 6. dio: Utjecaj nepovoljnih uvjeta okoliša
- EN 13146-7:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 7: Determination of clamping force  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 7. dio: Određivanje pričvrсне sile
- EN 13146-8:2012 en  
Railway applications – Track – Test methods for fastening systems – Part 8: In service testing  
Oprema za željeznice – Željeznički gornji ustroj – Ispitne metode za kolosiječni pričvrсни pribor – 8. dio: Ispitivanje u uporabi



- EN 13231-3:2012 en  
Railway applications – Track – Acceptance of works – Part 3: Acceptance of reprofiling rails in track  
Oprema za željeznice – Željeznički gornji ustroj – Preuzimanje radova – 3. dio: Preuzimanje radova na brušenju i izravnavanju tračnica u kolosijeku
- EN 13272:2012 en  
Railway applications – Electrical lighting for rolling stock in public transport systems  
Oprema za željeznice – Električna rasvjeta željezničkih vozila u sustavima javnoga prijevoza
- prEN 13802 en  
Railway applications – Suspension components – Hydraulic dampers  
Oprema za željeznice – Elementi ovjesa – Hidraulički amortizeri
- EN 14033-2:2008+A1:2011 en  
Railway applications – Track – Railbound construction and maintenance machines – Part 2: Technical requirements for working  
Oprema za željeznice – Željeznički gornji ustroj – Kolosiječni strojevi za gradnju i održavanje – 2. dio: Tehnički zahtjevi za rad
- FprEN 15954-1 en  
Railway applications – Track – Trailers and associated equipment – Part 1: Technical requirements for running and working
- FprEN 15955-1 en  
Railway applications – Track – Demountable machines and associated equipment – Part 1: Technical requirements for running and working

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

- EN ISO 899-1:2003/prA1 en  
Plastics – Determination of creep behaviour – Part 1: Tensile creep (ISO 899-1:2003/DAM 1:2012)
- EN ISO 899-2:2003/prA1 en  
Plastics – Determination of creep behaviour – Part 2: Flexural creep by three-point loading (ISO 899-2:2003/DAM 1:2012)
- EN ISO 7214:2012 en  
Cellular plastics – Polyethylene – Methods of test (ISO 7214:2012)  
Pjenasta plastika – Polietilen – Metode ispitivanja (ISO 7214:2012)

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

- EN 932-5:2012 en  
Tests for general properties of aggregates – Part 5: Common equipment and calibration  
Ispitivanje općih svojstava agregata – 5. dio: Uobičajena oprema i umjeravanje

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

- EN ISO 12543-1:2011 en  
Glass in building – Laminated glass and laminated safety glass – Part 1: Definitions and description of component parts (ISO 12543-1:2011)  
Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 1. dio: Definicija i opis sastavnih dijelova (ISO 12543-1:2011)
- EN ISO 12543-2:2011 en  
Glass in building – Laminated glass and laminated safety glass – Part 2: Laminated safety glass (ISO 12543-2:2011)  
Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 2. dio: Višeslojno sigurnosno staklo (ISO 12543-2:2011)
- EN ISO 12543-3:2011 en  
Glass in building – Laminated glass and laminated safety glass – Part 3: Laminated glass (ISO 12543-3:2011)

Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 3. dio: Višeslojno staklo (ISO 12543-3:2011)

- EN ISO 12543-4:2011 en  
Glass in building – Laminated glass and laminated safety glass – Part 4: Test methods for durability (ISO 12543-4:2011)  
Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 4. dio: Metode ispitivanja za trajnost (ISO 12543-4:2011)
- EN ISO 12543-5:2011 en  
Glass in building – Laminated glass and laminated safety glass – Part 5: Dimensions and edge finishing (ISO 12543-5:2011)  
Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 5. dio: Dimenzije i obradba rubova (ISO 12543-5:2011)
- EN ISO 12543-6:2011+AC:2012 en  
Glass in building – Laminated glass and laminated safety glass – Part 6: Appearance (ISO 12543-6:2011+Cor 1:2012)  
Staklo u graditeljstvu – Višeslojno staklo i višeslojno sigurnosno staklo – 6. dio: Izgled (ISO 12543-6:2011+Cor 1:2012)

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

- prEN ISO 2538-1 en  
Geometrical product specifications (GPS) – Wedges – Part 1: Series of angles and slopes (ISO/DIS 2538-1:2012)
- prEN ISO 2538-2 en  
Geometrical product specifications (GPS) – Wedges – Part 2: Dimensioning and tolerancing (ISO/DIS 2538-2:2012)
- EN ISO 14253-1:1998/prA1 en  
Geometrical Product Specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 1: Decision rules for proving conformance or non-conformance with specifications (ISO 14253-1:1998/DAM 1:2012)

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

- FprEN 13321-1 en  
Open data communication in building automation, controls and building management – Home and building electronic system – Part 1: Product and system requirements

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

- prEN ISO 1891-2 en  
Fasteners – Terminology – Part 2: Vocabulary and definitions for coatings (ISO/DIS 1891-2:2012)
- prEN ISO 14581 en  
Fasteners – Hexalobular socket countersunk flat head screws (ISO/DIS 14581:2012)
- prEN ISO 14582 en  
Hexalobular socket countersunk head screws, high head (ISO/DIS 14582:2012)

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

- prEN 16380 en  
Chemicals used for treatment of swimming pool water – Potassium peroxomonosulfate
- prEN 16381 en  
Chemicals used for treatment of swimming pool water – Sodium peroxodisulfate

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

- FprEN 15651-1 en  
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements
- FprEN 15651-2 en  
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing
- FprEN 15651-3 en  
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 3: Sealants for sanitary joints
- FprEN 15651-4 en  
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 4: Sealants for pedestrian walkways

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

- FprEN 14411 en  
Ceramic tiles – Definitions, classification, characteristics, evaluation of conformity and marking

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

- prEN 1124-4 rev en  
Pipes and fittings of longitudinally welded stainless steel pipes with spigot and socket for wastewater systems – Part 4: Components for vacuum drainage systems and for drainage systems on ships

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

- FprCEN /TS 16415 en  
Personal fall protection equipment – Anchor devices – Recommendations for anchor devices for use by more than one person simultaneously  
Osobna zaštitna oprema protiv pada s visine – Sidrišna naprava – Preporuke za korištenje sidrišne naprave za više osoba istodobno

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

- EN 15618:2009+A1:2012 en  
Rubber- or plastic-coated fabrics – Upholstery fabrics – Classification and methods of test  
Plošni tekstil naslojen gumom ili plastikom – Plošni tekstil za namještaj – Razredba i metode ispitivanja

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

- prEN ISO 12209 en  
Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air (ISO/DIS 12209:2012)

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

- prEN ISO 4833-1 en  
Microbiology of food and animal feed – Horizontal method for the enumeration of microorganisms – Part 1: Colony count at 30 degrees C by the pour plate technique (ISO/DIS 4833-1:2012)
- prEN ISO 4833-2 en  
Microbiology of food and animal feed – Horizontal method for the enumeration of microorganisms – Part 2: Colony count at 30 degrees C by the surface plating technique (ISO/DIS 4833-2:2012)
- prEN 12393-1 en  
Foods of plant origin – Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS – Part 1: General considerations
- prEN 12393-2 en  
Foods of plant origin – Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS – Part 2: Methods for extraction and clean-up

- prEN 12393-3 en  
Foods of plant origin – Multiresidue methods for the determination of pesticide residues by GC or LC-MS/MS – Part 3: Determination and confirmatory tests
- EN ISO 21569:2005/prA1 en  
Foodstuffs – Methods of analysis for the detection of genetically modified organisms and derived products – Qualitative nucleic acid based methods (ISO 21569:2005/DAM 1:2012)

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

- prEN 50526-2:2012 en  
Railway applications – Fixed installations – D.C. surge arresters and voltage limiting devices – Part 2: Voltage limiting devices
- prEN 50578:2012 en  
Railways applications – Direct current signalling relays
- FprEN 61375-2-5:2012 en  
Electronic railway equipment – Train backbone – Part 2-5: Ethernet Train Backbone (IEC 61375-2-5:201X)

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

- CLC/TR 50579:2012 en  
Electricity metering equipment (a.c.) – Severity levels, immunity requirements and test methods for conducted disturbances in the frequency range 2 kHz – 150 kHz

## **HZN/TO E20, Električni kabeli**

- prEN 50575:2012 en  
Power, control and communication cables – Cables for general applications in construction works subject to reaction to fire requirements  
CLC/FprTR 50576:2012 en  
Electric cables – Extended application of test results
- prEN 50577:2012 en  
Electric cables – Fire resistance test for unprotected electric cables (P classification)
- EN 61034-1:2005/FprA1:2012 en  
Measurement of smoke density of cables burning under defined conditions – Part 1: Test apparatus (IEC 61034-1:2005/am1:201X)
- EN 61034-2:2005/FprA1:2012 en  
Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements (IEC 61034-2:2005/am1:201X)

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

- EN 61954:2011/FprA1:2012 en  
Static VAR compensators (SVC) – Testing of thyristor valves (IEC 61954:2011/am1:201X)

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

- FprEN 61534-21:2012 en  
Powertrack systems – Part 21: Particular requirements for powertrack systems intended for wall and ceiling mounting (IEC 61534-21:201X)
- FprEN 62606:2012 en  
General requirements for Arc Fault Detection Devices (AFDD) (IEC 62606:201X)

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

- EN 50177:2009/FprAA:2012 en  
Stationary electrostatic application equipment for ignitable coating powders – Safety requirements

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

- FprEN 60598-2-12:2012 en  
Luminaires – Part 2-12: Particular requirements – Mains socket-outlet mounted nightlights (IEC 60598-2-12:201X)

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

- prEN 60846-1 en  
Radiation protection instrumentation – Ambient and/or directional dose equivalent (rate) meters and/or monitors for beta, X and gamma radiation – Part 1: Portable workplace and environmental meters and monitors (IEC 60846-1:2009)

## **HZN/TO E55, *Žice za namote***

- FprEN 60317-20:2012 en  
Specifications for particular types of winding wires – Part 20: Solderable polyurethane enamelled round copper wire, class 155 (IEC 60317-20:201X)
- FprEN 60317-21:2012 en  
Specifications for particular types of winding wires – Part 21: Solderable polyurethane enamelled round copper wire overcoated with polyamide, class 155 (IEC 60317-21:201X)
- FprEN 60317-23:2012 en  
Specifications for particular types of winding wires – Part 23: Solderable polyesterimide enamelled round copper wire, class 180 (IEC 60317-23:201X)
- FprEN 60317-35:2012 en  
Specifications for particular types of winding wires – Part 35: Solderable polyurethane enamelled round copper wire, class 155, with a bonding layer (IEC 60317-35:201X)
- FprEN 60317-36:2012 en  
Specifications for particular types of winding wires – Part 36: Solderable polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-36:201X)
- FprEN 60317-37:2012 en  
Specifications for particular types of winding wires – Part 37: Polyesterimide enamelled round copper wire, class 180, with a bonding layer (IEC 60317-37:201X)
- FprEN 60317-38:2012 en  
Specifications for particular types of winding wires – Part 38: Polyester or polyesterimide overcoated with polyamide-imide enamelled round copper wire, class 200, with a bonding layer (IEC 60317-38:201X)

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

- prEN 60350-1:2012 en  
Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance (IEC 60350-1:2011, MOD+Corr.:2012)
- prEN 60350-2:2012 en  
Household electric cooking appliances – Part 2: Hobs – Methods for measuring performance (IEC 60350-2:2011, MOD)
- prEN 60661 en  
Methods for measuring the performance of electric household coffee makers (IEC 60661:1999, MOD+am1:2003, MOD+am2:2005, MOD)

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

- FprEN 60335-2-110:2012 en  
Household and similar appliances – Safety – Part 2-110: Particular requirements for commercial microwave appliances with insertion or contacting applicators (IEC 60335-2-110:201X)
- FprEN 60335-2-40:2012 en  
Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:201X)

- EN 60335-2-70:2002/FprA2:2012 en  
Household and similar electrical appliances – Safety – Part 2-70: Particular requirements for milking machines (IEC 60335-2-70:2002/am2:201X)
- EN 60335-2-71:2003/FprA2:2012 en  
Household and similar electrical appliances – Safety – Part 2-71: Particular requirements for electrical heating appliances for breeding and rearing animals (IEC 60335-2-71:2002/am2:201X)
- EN 60335-2-76:2005/FprA2:2012 en  
Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers (IEC 60335-2-76:2002/am2:201X)
- EN 60335-2-86:2003/FprA2:2012 en  
Household and similar electrical appliances – Safety – Part 2-86: Particular requirements for electric fishing machines (IEC 60335-2-86:2002/am2:201X)
- EN 60335-2-87:2002/FprA2:2012 en  
Household and similar electrical appliances – Safety – Part 2-87: Particular requirements for electrical animal-stunning equipment (IEC 60335-2-87:2002/am2:201X)

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

- FprEN 60601-1-12:2012 en  
Medical electrical equipment – Part 1-12: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (IEC 60601-1-12:201X)
- EN 80601-2-30:2010/FprA1:2012 en  
Medical electrical equipment – Part 2-30: Particular requirements for the basic safety and essential performance of automated non-invasive sphygmomanometers (IEC 80601-2-30:2009/am1:201X)

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

- FprEN 61918:2011/FprAA:2012 en  
Industrial communication networks – Installation of communication networks in industrial premises
- FprEN 62264-1:2012 en  
Enterprise system integration – Part 1: Models and terminology (IEC 62264-1:201X)
- FprEN 62264-2:2012 en  
Enterprise system integration – Part 2: Object models and attributes (IEC 62264-2:201X)

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

- FprEN 50131-2-7-1:2012 en  
Alarm systems – Intrusion and hold-up systems – Part 2-7-1: Intrusion detectors – Glass break detectors (acoustic)
- FprEN 50131-2-7-2:2012 en  
Alarm systems – Intrusion and hold-up systems – Part 2-7-2: Intrusion detectors – Glass break detectors (passive)
- FprEN 50131-2-7-3:2012 en  
Alarm systems – Intrusion and hold-up systems – Part 2-7-3: Intrusion detectors – Glass break detectors (active)  
CLC/TS 50131-5-4:2012 en  
Alarm systems – Intrusion and hold-up systems – Part 5-4: System compatibility testing for I&HAS equipments located in supervised premises
- FprEN 60839-11-1:2012 en  
Alarm systems – Part 11-1: Electronic access control systems – System and components requirements (IEC 60839-11-1:201X)

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

FprEN 61993-2:2012 en

Maritime navigation and radiocommunication equipment and systems – Automatic Identification Systems (AIS) – Part 2: Class A shipborne equipment of the automatic identification system (AIS) – Operational and performance requirements, methods of test and required test results (IEC 61993-2:201X)

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

FprEN 60469:2012 en

Transitions, pulses and related waveforms – Terms, definitions and algorithms (IEC 60469:201X)

FprEN 62638:2012 en

Recurrent test and test after repair (IEC 62638:201X)

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

EN 62227:2008/FprA1:2012 en

Multimedia home server systems – Digital rights permission code (IEC 62227:2008/A1:201X)

FprEN 62698:2012 en

Multimedia home server systems – Rights information interoperability for IPTV (IEC 62698:201X)

FprEN 62731:2012 en

Text-to-Speech for television – General requirements (IEC 62731:201X)

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

FprEN 60216-8:2012 en

Electrical insulating materials – Thermal endurance properties – Part 8: Instructions for calculating thermal endurance characteristics using simplified procedures (IEC 60216-8:201X)

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

FprEN 61000-3-3:2012 en

Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection (IEC 61000-3-3:201X)

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

EN 60118-13:2011 en

Electroacoustics – Hearing aids – Part 13: Electromagnetic compatibility (EMC) (IEC 60118-13:2011)  
Elektroakustika – Slušna pomagala – 13. dio: Elektromagnetska kompatibilnost (EMC) (IEC 60118-13:2011)

EN 60118-15:2012 en

Electroacoustics – Hearing aids – Part 15: Methods for characterising signal processing in hearing aids with a speech-like signal (IEC 60118-15:2012)  
Elektroakustika – Slušna pomagala – 15. dio: Metode za određivanje svojstava procesiranja signala u slušnim pomagalicama s pomoću signala sličnoga govoru (IEC 60118-15:2012)

EN 60318-1:2009 en

Electroacoustics – Simulators of human head and ear – Part 1: Ear simulator for the measurement of supra-aural and circumaural earphones (IEC 60318-1:2009)  
Elektroakustika – Simulatori ljudske glave i uha – 1. dio: Simulator uha za mjerenje slušalica koje potpuno i djelomično pokrivaju uho (IEC 60318-1:2009)

EN 60318-4:2010 en

Electroacoustics – Simulators of human head and ear – Part 4: Occluded-ear simulator for the measurement of earphones coupled to the ear by means of ear inserts (IEC 60318-4:2010)  
Elektroakustika – Simulatori ljudske glave i uha – 4. dio: Zatvoreni simulator uha za mjerenje slušalica spojenih na uho s pomoću ušnih umetaka (IEC 60318-4:2010)

EN 61094-2:2009 en

Electroacoustics – Measurement microphones – Part 2: Primary method for pressure calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-2:2009)  
Elektroakustika – Mjerni mikrofoni – 2. dio: Primarna metoda za laboratorijsku kalibraciju mjernih mikrofona tehnikom recipročnosti (IEC 61094-2:2009)

EN 61391-2:2010 en

Ultrasonics – Pulse-echo scanners – Part 2: Measurement of maximum depth of penetration and local dynamic range (IEC 61391-2:2010)  
Ultrazvuk – Ultrazvučni skeneri koji rade na načelu odjeka – 2. dio: Mjerenje najveće dubine prodiranja i određivanje lokalnoga dinamičkog područja (IEC 61391-2:2010)

EN 62359:2011 en

Ultrasonics – Field characterization – Test methods for the determination of thermal and mechanical indices related to medical diagnostic ultrasonic fields (IEC 62359:2010)  
Ultrazvuk – Određivanje svojstava polja – Metode ispitivanja za određivanje toplinskih i mehaničkih pokazatelja povezanih s medicinskim dijagnostičkim ultrazvučnim poljima (IEC 62359:2010)

EN 62489-1:2010 en

Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 1: Methods of measuring and specifying the performance of system components (IEC 62489-1:2010)  
Elektroakustika – Sustavi s indukcijskim petljama kao slušna pripomoć u audiofrekvencijskome području – 1. dio: Metode mjerenja i određivanje mogućnosti sastavnice sustava (IEC 62489-1:2010)

EN 62489-2:2011 en

Electroacoustics – Audio-frequency induction loop systems for assisted hearing – Part 2: Methods of calculating and measuring the low-frequency magnetic field emissions from the loop for assessing conformity with guidelines on limits for human exposure (IEC 62489-2:2011)  
Elektroakustika – Sustavi s indukcijskim petljama kao pomoć pri slušanju u audiofrekvencijskome području – 2. dio: Metode za računanje i mjerenje isijavanja niskofrekvencijskih magnetskih polja iz petlja radi osiguranja usklađenosti s vrijednostima iz uputa o granicama izloženosti za čovjeka (IEC 62489-2:2011)

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

prEN 926-2 en

Paragliding equipment – Paragliders – Part 2: Requirements and test methods for classifying flight safety characteristics

prEN ISO 20957-1 rev en

Stationary training equipment – Part 1: General safety requirements and test methods (ISO/DIS 20957-1:2012)

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

prEN 12976-1 en

Thermal solar systems and components – Factory made systems – Part 1: General requirements



prEN 12976-2 en  
Thermal solar systems and components – Factory made systems – Part 2: Test methods

### **HZNTU I3, *Strojarstvo 3***

prEN 1143-2 en  
Secure storage units – Requirements, classification and methods of tests for resistance to burglary – Part 2: Deposit systems

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

EN ISO 1135-4:2012 en  
Transfusion equipment for medical use – Part 4: Transfusion sets for single use (ISO 1135-4:2012)

EN 1642:2011 en  
Dentistry – Medical devices for dentistry – Dental implants

EN ISO 14602:2011 en  
Non-active surgical implants – Implants for osteosynthesis – Particular requirements (ISO 14602:2010)

EN ISO 15747:2011 en  
Plastic containers for intravenous injections (ISO 15747:2010)

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

EN 2213:2012 en  
Aerospace series – Steel FE-PL1505 (15CrMoV6) – Air melted – Hardened and tempered – Bars –  $D_e = 16$  mm –  $980$  MPa =  $R_m = 1180$  MPa

EN 2234:2012 en  
Aerospace series – Cable, electrical, fire resistant – Technical specification

EN 2240-100:2011 en  
Aerospace series – Lamps, incandescent – Part 100: Lamp, code 2078 – Product standard

EN 2240-101:2011 en  
Aerospace series – Lamps, incandescent – Part 101: Lamp, code 404-02 – Product standard

EN 2245:2012 en  
Aerospace series – Pipelines for liquids and gases – Definitions

EN 2252:2012 en  
Aerospace series – Steel FE-PL1505 (15CrMoV6) –  $1080$  MPa =  $R_m = 1250$  MPa – Forgings –  $D_e = 100$  mm

EN 2311:2012 en  
Aerospace series – Bushes with self-lubricating liner – Technical specification

EN 2835:2012 en  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 40 IRHD

EN 2836:2012 en  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 50 IRHD

EN 2837:2012 en  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 60 IRHD

EN 2997-002:2012 en  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures –  $65$  °C to  $175$  °C continuous,  $200$  °C continuous,  $260$  °C peak – Part 002: Specification of performance and contact arrangements

EN 3120:2012 en  
Aerospace series – Titanium alloy TI-P64003 – Cold worked and stress relieved – Seamless tube for pressure systems –  $4$  mm =  $D = 51$  mm –  $690$  MPa =  $R_m = 1030$  MPa

EN 3155-035:2012 en  
Aerospace series – Electrical contacts used in elements of connection – Part 035: Contacts, electrical, triaxial, size 08, female, type D, crimp, class R – Product standard

EN 3155-076:2012 en  
Aerospace series – Electrical contacts used in elements of connection – Part 076: Contacts, electrical, male, type A, crimp, class R – Product standard

EN 3155-077:2012 en  
Aerospace series – Electrical contacts used in elements of connection – Part 077: Contacts, electrical, female, type A, crimp, class R – Product standard

EN 3182:2012 en  
Aerospace series – Ball bearings, rigid in corrosion resisting steel cadmium plated, for control cable pulleys – Dimensions and loads

EN 3278:2012 en  
Aerospace series – Sleeves, tubular, protruding head, in corrosion resisting steel, passivated ( $0,25$  mm wall thickness)

EN 3312:2012 en  
Aerospace series – Titanium alloy Ti-6Al-4V – Annealed – Forgings  $D_e = 150$  mm

EN 3355:2012 en  
Aerospace series – Titanium alloy TI-P64001 (Ti-6Al-4V) – Annealed – Extruded section –  $D_e = 150$  mm –  $900$  MPa =  $R_m = 1160$  MPa

EN 3373-007:2012 en  
Aerospace series – Terminal lugs and in-line splices for crimping on electric conductors – Part 007: Nickel plated aluminium terminal lugs for crimping on nickel plated aluminium cable for inch series studs – Product standard

EN 3373-008:2012 en  
Aerospace series – Terminal lugs and in-line splices for crimping on electric conductors – Part 008: Copper lugs nickel plated ring shaped for copper conductors nickel plated for inch series studs up to  $340$  °C – Product standard

EN 3375-002:2012 en  
Aerospace series – Cable, electrical, for digital data transmission – Part 002: General

EN 3382:2012 en  
Aerospace series – Rings retaining, internal, axial mounting, steel, phosphated

EN 3383:2012 en  
Aerospace series – Rings retaining, internal, axial mounting, steel, vacuum cadmium plated

EN 3384:2012 en  
Aerospace series – Rings retaining, external, axial mounting, steel, phosphated

EN 3385:2012 en  
Aerospace series – Rings retaining, external, axial mounting, steel, vacuum cadmium plated

EN 3386:2012 en  
Aerospace series – Rings retaining, radial mounting, steel, phosphated

EN 3417:2012 en  
Aerospace series – Rivets, solid, universal head, in nickel base alloy NI-P11, metric series

EN 3475-505:2012 en  
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 505: Tensile test on conductors and strands

EN 3706:2012 en  
Aerospace series – Headless threaded plugs, cross recess, in aluminium alloy 5086

- EN 3707:2012 en  
Aerospace series – Headless threaded plugs – Installation holes
- EN 3718:2012 en  
Aerospace series – Test method for metallic materials – Ultrasonic inspection of tubes
- EN 3768:2012 en  
Aerospace series – Nuts, anchor, self-locking, one lug, fixed, reduced series, with counterbore, in heat resisting steel, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature)/315 °C
- EN 4159:2011 en  
Aerospace series – Paints and varnishes – Determination of resistance to microbial growth
- EN 4165-025:2011 en  
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 025: Module receptacle – Product Standard
- EN 4171:2011 en  
Aerospace series – Paints and varnishes – Test method for determination of phosphoric acid index
- EN 4195:2011 en  
Aerospace series – Paints and varnishes – Test method for determination of chromate leaching
- EN 4443:2012 en  
Aerospace series – Nuts, elliptical clinch, self-locking, MJ threads, in heat resisting steel FE-PA2601 (A286), MoS2 coated, Classification: 900 MPa (at ambient temperature)/ 425 °C
- EN 4540:2011 en  
Aerospace series – Bearings, spherical plain, in corrosion resisting steel with self-lubricating liner elevated load under low oscillations – Technical specification
- EN 4608-003:2012 en  
Aerospace series – Cable, electrical, fire resistant – Single and twisted multicore assembly, screened (braided) and jacketed – Operating temperatures between -65 °C and 260 °C – Part 003: DN family – Lightweight – UV Laser printable – Product standard
- EN 4608-005:2012 en  
Aerospace series – Cable, electrical, fire resistant – Single and twisted multicore assembly, screened (braided) and jacketed – Operating temperatures between -65 °C and 260 °C – Part 005: DW family – Lightweight two-core gauge 24 for data transmission – UV laser printable – Product standard
- EN 4611-002:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 002: General
- EN 4611-003:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for enclosed applications – UV laser printable – Product standard
- EN 4611-004:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 004: Tin plated copper – Operating temperatures, between - 65 °C and 135 °C – Dual extruded wall for open applications – UV laser printable – Product standard
- EN 4611-005:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 005: Silver plated copper – Operating temperatures, between - 65 °C and 150 °C – Single extruded wall for enclosed applications – UV laser printable – Product standard
- EN 4611-006:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 006: Silver plated copper – Operating temperatures, between - 65 °C and 150 °C – Dual extruded wall for open applications – UV laser printable – Product standard
- EN 4611-007:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 007: Nickel plated copper – Operating temperatures, between - 65 °C and 150 °C – Dual extruded wall for open applications – UV laser printable – Product standard
- EN 4611-008:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 008: BP – Nickel plated copper – Operating temperatures, between - 65 °C and 150 °C – Dual extruded wall for open applications with additional protection in areas of high vibration, cable flexing and fluid contamination – UV laser printable – Product standard
- EN 4611-009:2012 en  
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 009: BJ – Nickel plated copper – Operating temperatures, between - 65 °C and 150 °C – Single extruded wall for use as cable cores or within equipment in areas of high vibration, cable flexing and fluid contamination – UV laser printable – Product standard
- EN 4687:2012 en  
Aerospace series – Paints and varnishes – Chromate free non corrosion inhibiting two components cold curing primer for military application
- EN 4688:2012 en  
Aerospace series – Paints and varnishes – Corrosion inhibiting two components cold curing primer for military application
- EN 4689:2012 en  
Aerospace series – Paints and varnishes – Two components cold curing polyurethane finish – High flexibility and chemical agent resistance for military application
- EN 4704:2012 en  
Aerospace series – Tartaric-Sulphuric-Acid anodizing of aluminium and aluminium wrought alloys for corrosion protection and paint pre-treatment (TSA)
- EN 6049-006:2012 en  
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 006: Self-wrapping protective sleeve, flexible post installation – Product standard
- EN 6049-007:2012 en  
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 007: Self-wrapping protective sleeve, flexible post installation operating temperature from - 55 °C to 260 °C – Product standard
- EN 6059-100:2011 en  
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 100: General
- EN 6059-503:2012 en  
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 503: Temperature rise due to rated current injected on the sleeve
- EN 9137:2012 en  
Quality management systems – Guidance for the Application of AQAP 2110 within an EN 9100 Quality Management System

- EN 15997:2011 en  
All terrain vehicles (ATVs - Quads) – Safety requirements and test methods
- CEN/TS 16165:2012 en  
Determination of slip resistance of pedestrian surfaces – Methods of evaluation

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

- EN 60127-4:2005/FprA2:2012 en  
Miniature fuses – Part 4: Universal modular fuse-links (UMF) – Through-hole and surface mount types (IEC 60127-4:2005/am2:201X)

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

- EN 50521:2008/A1:201X en  
Connectors for photovoltaic systems – Safety requirements and tests
- FprEN 60115-8:2012 en  
Fixed resistors for use in electronic equipment – Part 8: Sectional specification – Fixed surface mount resistors (IEC 60115-8:2009, MOD)
- FprEN 61300-2-19:2012 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-19: Tests – Damp heat (steady state) (IEC 61300-2-19:201X)
- FprEN 61300-2-7:2012 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-7: Tests – Bending moment (IEC 61300-2-7:201X)
- FprEN 61300-3-4:2012 en  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-4: Examinations and measurements – Attenuation (IEC 61300-3-4:201X)
- EN 61730-1:2007/FprA2:2012 en  
Photovoltaic (PV) module safety qualification – Part 1: Requirements for construction (IEC 61730-1:2004/am2:201X)
- FprEN 61753-021-3:2012 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 021-3: Single-mode fibre optic connectors for category U – Uncontrolled environment (IEC 61753-021-3:201X)
- FprEN 61753-061-2:2012 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 061-2: Non-connectorised single-mode fibre optic pigtailed isolators for category C – Controlled environment (IEC 61753-061-2:201X)
- FprEN 61753-088-2:2012 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 088-2: Non connectorised single-mode fibre optic LAN WDM devices with channel spacing of 800 GHz for category C – Controlled environment (IEC 61753-088-2:201X)
- FprEN 61753-091-2:2012 en  
Fibre optic interconnecting devices and passive components – Performance standard – Part 091-2: Non-connectorised single-mode fibre optic pigtailed circulators for category C – Controlled environment (IEC 61753-091-2:201X)
- FprEN 61754-27:2012 en  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 27: Type M12-FO connector family (IEC 61754-27:201X)
- FprEN 61829:2012 en  
Crystalline silicon photovoltaic (PV) array – On-site measurement of I-V characteristics (IEC 61829:201X)

- FprEN 62047-19:2012 en  
Semiconductor devices – Micro-electromechanical devices – Part 19: Electronic compasses (IEC 62047-19:201X)

- FprEN 62343:2012 en  
Dynamic modules and devices – General and guidance (IEC 62343:201X)

- FprEN 62679-3-2:2012 en  
Electronic paper display – Part 3-2: Measuring methods – Electro-optical (IEC 62679-3-2:201X)

### **HZNTU W1, Energetska elektrotehnika 1**

- prEN 50292:2012 en  
Electrical apparatus for the detection of carbon monoxide in domestic premises, caravans and boats – Guide on the selection, installation, use and maintenance
- FprEN 60358-2:2012 en  
Coupling capacitors and capacitor dividers – Part 2: AC or DC single-phase coupling capacitor connected between line and ground for power line carrier-frequency (PLC) application (IEC 60358-2:201X)
- FprEN 60519-10:2012 en  
Safety in electroheat installations – Part 10: Particular requirements for electrical resistance trace heating systems for industrial and commercial applications (IEC 60519-10:201X)
- FprEN 60519-12:2012 en  
Safety in electroheating installations – Part 12: Particular requirements for infrared electroheating installations (IEC 60519-12:201X)
- FprEN 60831-1:2012 en  
Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V – Part 1: General – Performance, testing and rating – Safety requirements – Guide for installation and operation (IEC 60831-1:201X)
- FprEN 60831-2:2012 en  
Shunt power capacitors of the self-healing type for a.c. systems having a rated voltage up to and including 1000 V – Part 2: Ageing test, self-healing test and destruction test (IEC 60831-2:201X)
- FprEN 61029-2-1:2012 en  
Safety of transportable motor-operated electric tools – Part 2-1: Particular requirements for circular saw benches (IEC 61029-2-1:1993, MOD+am1:1999+am2:2001)  
Sigurnost prijevoznih elektromotornih alata – Dio 2-1: Posebni zahtjevi za stolne kružne pile (IEC 61029-2-1:1993, MOD+am1:1999+am2:2001)
- FprEN 61029-2-11:2012 en  
Safety of transportable motor-operated electric tools – Part 2-11: Particular requirements for combined mitre and bench saws (IEC 61029-2-11:2001, MOD)  
Sigurnost prijevoznih elektromotornih alata – Dio 2-11: Posebni zahtjevi za složene stolne kutne pile (IEC 61029-2-11:2001, MOD)
- FprEN 61029-2-9:2012 en  
Safety of transportable motor-operated electric tools – Part 2-9: Particular requirements for mitre saws (IEC 61029-2-9:1995, MOD)  
Sigurnost prijevoznih elektromotornih alata – Dio 2-9: Posebni zahtjevi za kutne pile (IEC 61029-2-9:1995, MOD)
- FprEN 61427-1:2012 en  
Secondary cells and batteries for Renewable Energy Storage – General Requirements and methods of test – Part 1: Photovoltaic Off grid application (IEC 61427-1:201X)
- FprEN 62146-1:2012 en  
Grading capacitors for high-voltage alternating current circuit-breakers (IEC 62146-1:201X)

FprEN 62282-3-201:2012 en

Fuel cell technologies – Part 3-201: Small stationary fuel cell power systems – Performance test methods (IEC 62282-3-201:201X)

## 1.4 Povučene hrvatske norme

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

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

HRN EN 671-1:2007 en

Stabilni protupožarni sustavi – Hidrantski sustavi – 1. dio: Hidrantska cijevna vitla s polučvrstim cijevima (EN 671-1:2001+AC:2002)  
Fixed firefighting systems – Hose systems – Part 1: Hose reels with semi-rigid hose (EN 671-1:2001+AC:2002)  
- zamijenjena s: HRN EN 671-1:2012

HRN EN 671-2:2007 en

Stabilni protupožarni sustavi – Hidrantski sustavi – 2. dio: Hidrantski sustavi s plosnatim cijevima (EN 671-2:2001+A1:2004)  
Fixed firefighting systems – Hose systems – Part 2: Hose systems with lay-flat hose (EN 671-2:2001+A1:2004)  
- zamijenjena s: HRN EN 671-2:2012

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

HRN EN 589:2010 hr

Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2008)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2008)  
- zamijenjena s: HRN EN 589:2012

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

HRN ISO 520:2002 hr

Žitarice i mahunarke – Određivanje mase 1 000 zrna (ISO 520:1977)  
Cereals and pulses – Determination of the mass of 1 000 grains (ISO 520:1977)  
- zamijenjena s: HRN EN ISO 520:2012

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

HRN EN ISO 1518:2004 en

Boje i lakovi – Ispitivanje grebenjem (ISO 1518:1992; EN ISO 1518:2000)  
Paints and varnishes – Scratch test (ISO 1518:1992; EN ISO 1518:2000)  
- zamijenjena s: HRN EN ISO 1518-1:2012

HRN EN ISO 1519:2002 en

Boje i lakovi – Ispitivanje savijanjem (cilindrično vreteno) (ISO 1519:2002; EN ISO 1519:2002)  
Paints and varnishes – Bend test (cylindrical mandrel) (ISO 1519:2002; EN ISO 1519:2002)  
- zamijenjena s: HRN EN ISO 1519:2012

HRN EN ISO 2811-1:2004 en

Boje i lakovi – Određivanje gustoće – 1. dio: Metoda s piknometrom (ISO 2811-1:1997; EN ISO 2811-1:2001)  
Paints and varnishes – Determination of density – Part 1: Pycnometer method (ISO 2811-1:1997; EN ISO 2811-1:2001)  
- zamijenjena s: HRN EN ISO 2811-1:2012

HRN EN ISO 2811-2:2004 en

Boje i lakovi – Određivanje gustoće – 2. dio: Metoda uranjanja tijela (viska) (ISO 2811-2:1997; EN ISO 2811-2:2001)  
Paints and varnishes – Determination of density – Part 2: Immersed body (plummet) method (ISO 2811-2:1997; EN ISO 2811-2:2001)  
- zamijenjena s: HRN EN ISO 2811-2:2012

HRN EN ISO 2811-3:2004 en

Boje i lakovi – Određivanje gustoće – 3. dio: Oscilacijska metoda (ISO 2811-3:1997; EN ISO 2811-3:2001)  
Paints and varnishes – Determination of density – Part 3: Oscillation method (ISO 2811-3:1997; EN ISO 2811-3:2001)  
- zamijenjena s: HRN EN ISO 2811-3:2012

HRN EN ISO 2811-4:2004 en

Boje i lakovi – Određivanje gustoće – 4. dio: Postupak s tlačnom posudom (ISO 2811-4:1997; EN ISO 2811-4:2001)  
Paints and varnishes – Determination of density – Part 4: Pressure cup method (ISO 2811-4:1997; EN ISO 2811-4:2001)  
- zamijenjena s: HRN EN ISO 2811-4:2012

HRN EN ISO 8503-1:1999 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 1. dio: Specifikacije i definicije ISO komparatora profila površine za procjenu površina čišćenih mlazom abraziva (ISO 8503-1:1988; EN ISO 8503-1:1995)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 1: Specifications and definitions for ISO surface profile comparators for the assessment of abrasive blast-cleaned surfaces (ISO 8503-1:1988; EN ISO 8503-1:1995)  
- zamijenjena s: HRN EN ISO 8503-1:2012

HRN EN ISO 8503-2:1999 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 2. dio: Metoda stupnjevanja profila površine čelika čišćenog mlazom abraziva – Postupak s komparatorom (ISO 8503-2:1988; EN ISO 8503-2:1995)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 2: Method for the grading of surface profile of abrasive blast-cleaned steel – Comparator procedure (ISO 8503-2:1988; EN ISO 8503-2:1995)  
- zamijenjena s: HRN EN ISO 8503-2:2012

HRN EN ISO 8503-3:1999 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 3. dio: Metoda umjeravanja ISO komparatora profila površine i određivanja profila površine – Postupak mikroskopskog fokusiranja (ISO 8503-3:1988; EN ISO 8503-3:1995)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 3: Method for the calibration of ISO surface profile comparators and for the determination of surface profile – Focusing microscope procedure (ISO 8503-3:1988; EN ISO 8503-3:1995)  
- zamijenjena s: HRN EN ISO 8503-3:2012



- HRN EN ISO 8503-4:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čišćenih mlazom abraziva – 4. dio: Metoda umjeravanja ISO komparatora profila površine i određivanja profila površine – Postupak pomoću instrumenata s iglom (ISO 8503-4:1988; EN ISO 8503-4:1995)  
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 4: Method for the calibration of ISO surface profile comparators and for the determination of surface profile – Stylus instrument procedure (ISO 8503-4:1988; EN ISO 8503-4:1995)  
- zamijenjena s: HRN EN ISO 8503-4:2012
- HRN EN ISO 11127-1:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11127-1:1993; EN ISO 11127-1:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11127-1:1993; EN ISO 11127-1:1997)  
- zamijenjena s: HRN EN ISO 11127-1:2012
- HRN EN ISO 11127-2:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11127-2:1993; EN ISO 11127-2:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11127-2:1993; EN ISO 11127-2:1997)  
- zamijenjena s: HRN EN ISO 11127-2:2012
- HRN EN ISO 11127-3:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 3. dio: Određivanje prividne gustoće (ISO 11127-3:1993; EN ISO 11127-3:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density (ISO 11127-3:1993; EN ISO 11127-3:1997)  
- zamijenjena s: HRN EN ISO 11127-3:2012
- HRN EN ISO 11127-4:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 4. dio: Ocjena tvrdoće ispitivanjem s pomoću stakla (ISO 11127-4:1993; EN ISO 11127-4:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 4: Assessment of hardness by a glass slide test (ISO 11127-4:1993; EN ISO 11127-4:1997)  
- zamijenjena s: HRN EN ISO 11127-4:2012
- HRN EN ISO 11127-5:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 5. dio: Određivanje vlažnosti (ISO 11127-5:1993; EN ISO 11127-5:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture (ISO 11127-5:1993; EN ISO 11127-5:1997)  
- zamijenjena s: HRN EN ISO 11127-5:2012
- HRN EN ISO 11127-6:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 6. dio: Određivanje onečišćenja topljivih u vodi mjerenjem vodljivosti (ISO 11127-6:1993; EN ISO 11127-6:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 6: Determination of water-soluble contaminants by conductivity measurement (ISO 11127-6:1993; EN ISO 11127-6:1997)  
- zamijenjena s: HRN EN ISO 11127-6:2012
- HRN EN ISO 11127-7:1999 en  
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 7. dio: Određivanje klorida topljivih u vodi (ISO 11127-7:1993; EN ISO 11127-7:1997)  
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 7: Determination of water-soluble chlorides (ISO 11127-7:1993; EN ISO 11127-7:1997)  
- zamijenjena s: HRN EN ISO 11127-7:2012
- HRN EN ISO 12137-1:2006 en  
Boje i lakovi – Određivanje otpornosti na struganje – 1. dio: Metoda ispitivanja zaobljenom iglom (ISO 12137-1:1997, uključujući Technical Corrigendum 1:1998; EN ISO 12137-1:2006)  
Paints and varnishes – Determination of mar resistance – Part 1: Method using a curved stylus (ISO 12137-1:1997, including Technical Corrigendum 1:1998; EN ISO 12137-1:2006)  
- zamijenjena s: HRN EN ISO 12137:2012
- HRN EN ISO 12137-2:2006 en  
Boje i lakovi – Određivanje otpornosti na struganje – 2. dio: Metoda ispitivanja šiljkom (ISO 12137-2:1997; EN ISO 12137-2:2006)  
Paints and varnishes – Determination of mar resistance – Part 2: Method using a pointed scratch stylus (ISO 12137-2:1997; EN ISO 12137-2:2006)  
- zamijenjena s: HRN EN ISO 1518-2:2012

## **HZN/TO 43, Akustika**

- HRN EN ISO 3745:2010 en  
Akustika – Određivanje razine zvučne snage izvora buke uporabom zvučnog tlaka – Precizne metode u gluhim i polugluhim komorama (ISO 3745:2003; EN ISO 3745:2009)  
Acoustics – Determination of sound power levels of noise sources using sound pressure – Precision methods for anechoic and semi-anechoic rooms (ISO 3745:2003; EN ISO 3745:2009)  
- zamijenjena s: HRN EN ISO 3745:2012
- HRN EN ISO 8253-3:1999 en  
Akustika – Audiometrijske metode ispitivanja – 3. dio: Audiometrija govornim signalima (ISO 8253-3:1996; EN ISO 8253-3:1998)  
Acoustics – Audiometric test methods – Part 3: Speech audiometry (ISO 8253-3:1996; EN ISO 8253-3:1998)  
- zamijenjena s: HRN EN ISO 8253-3:2012

## **HZN/TO 69, Primjena statističkih metoda**

- HRN ISO 2859-1:1996 hr  
Postupci uzorkovanja za pregled prema atributima – 1. dio: Planovi uzorkovanja indeksirani prema prihvatljivoj razini kakvoće (AQL) za pregled partija po partija (ISO 2859-1:1989)  
Sampling procedures for inspection by attributes – Part 1: Sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspection (ISO 2859-1:1989)  
- zamijenjena s: HRN ISO 2859-1:2012

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

- HRN EN 325:2003 en  
Ploče na osnovi drva – Određivanje dimenzija ispitnih uzoraka (EN 325:1993)  
Wood based panels – Determination of dimension of test pieces (EN 325:1993)  
- zamijenjena s: HRN EN 325:2012

## **HZN/TO 92, *Zaštita od požara***

- HRN ENV 1187:2002 en  
Ispitna metoda za izloženost krovova požaru izvana (ENV 1187:2002)  
Test methods for external fire exposure to roofs (ENV 1187:2002)  
- zamijenjena s: HRS CEN/TS 1187:2012
- HRN ENV 1187:2002/A1:2008 en  
Ispitna metoda za izloženost krovova požaru izvana (ENV 1187:2002/A1:2005)  
Test methods for external fire exposure to roofs (ENV 1187:2002/A1:2005)  
- zamijenjena s: HRS CEN/TS 1187:2012

## **HZN/TO 120, *Koža i obuća***

- HRS CEN/TS 14906:2008 en  
Koža – Svojstva kože za presvlake – Upute za odabir kože za vozila (CEN/TS 14906:2004)  
Leather – Upholstery leather characteristics – Guide for the selection of leather for automotive (CEN/TS 14906:2004)  
- zamijenjena s: HRN EN 14906:2012
- HRN EN ISO 26082:2008 en  
Koža – Fizikalna i mehanička ispitivanja – Određivanje zaprljanja trljanjem kože za vozila (ISO 26082:2007; EN ISO 26082:2007)  
Leather – Physical and mechanical tests – Determination of soiling with rubbing for automotive leather (ISO 26082:2007; EN ISO 26082:2007)  
- zamijenjena s: HRN EN ISO 26082-1:2012

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

- HRN EN 13244-1:2003 en  
Plastični cijevni sustavi za podzemne i nadzemne tlačne sustave za vodu za opću namjenu, odvodnju i kanalizaciju – Polietilen (PE) – 1. dio: Općenito (EN 13244-1:2002)  
Plastics piping systems for buried and above-ground pressure systems for water of general purposes, drainage and sewerage – Polyethylene (PE) – Part 1: General (EN 13244-1:2002)  
- zamijenjena s: HRN EN 12201-1:2011
- HRN EN 13244-2:2003 en  
Plastični cijevni sustavi za podzemne i nadzemne tlačne sustave za vodu za opću namjenu, odvodnju i kanalizaciju – Polietilen (PE) – 2. dio: Cijevi (EN 13244-2:2002)  
Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage – Polyethylene (PE) – Part 2: Pipes (EN 13244-2:2002)  
- zamijenjena s: HRN EN 12201-2:2011
- HRN EN 13244-3:2003 en  
Plastični cijevni sustavi za podzemne i nadzemne tlačne sustave za vodu za opću namjenu, odvodnju i kanalizaciju – Polietilen (PE) – 3. dio: Spojnice (EN 13244-3:2002)  
Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage – Polyethylene (PE) – Part 3: Fittings (EN 13244-3:2002)  
- zamijenjena s: HRN EN 12201-3:2011

- HRN EN 13244-4:2003 en  
Plastični cijevni sustavi za podzemne i nadzemne tlačne sustave za vodu za opće namjene, odvodnju i kanalizaciju – Polietilen (PE) – 4. dio: Ventili (EN 13244-4:2002)  
Plastics piping systems for buried and above-ground pressure systems for water for general purposes, drainage and sewerage – Polyethylene (PE) – Part 4: Valves (EN 13244-4:2002)  
- zamijenjena s: HRN EN 12201-4:2012
- HRN EN 13244-5:2003 en  
Plastični cijevni sustavi za podzemne i nadzemne tlačne sustave za vodu za opću namjenu, odvodnju i kanalizaciju – Polietilen (PE) – 5. dio: Prikladnost sustava za uporabu (EN 13244-5:2002)  
Plastics piping systems for buried and above-ground pressure systems for water of general purposes, drainage and sewerage – Polyethylene (PE) – Part 5: Fitness for purpose of the system (EN 13244-5:2002)  
- zamijenjena s: HRN EN 12201-5:2011
- HRN EN 14758-1:2009 en  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Polipropilen s mineralnim modifikatorima (PP-MD) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 14758-1:2005+A1:2009)  
Plastics piping systems for non-pressure underground drainage and sewerage – With mineral modifiers (PP-MD) – Part 1: Specifications for pipes, fittings and the system (EN 14758-1:2005+A1:2009)  
- zamijenjena s: HRN EN 14758-1:2012

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

- HRN EN 482:2008 en  
Atmosfera radnog prostora – Opći zahtjevi za provođenje postupaka mjerenja kemijskih tvari (EN 482:2006)  
Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents (EN 482:2006)  
- zamijenjena s: HRN EN 482:2012

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

- HRN EN ISO 9241-303:2010 en  
Ergonomija interakcije čovjek-sustav – 303. dio: Zahtjevi za zaslone (ISO 9241-303:2008; EN ISO 9241-303:2008)  
Ergonomics of human-system interaction – Part 303: Requirements for electronic visual displays (ISO 9241-303:2008; EN ISO 9241-303:2008)  
- zamijenjena s: HRN EN ISO 9241-303:2012

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

- HRN EN 1912:2010 en  
Drvene konstrukcije – Razredi čvrstoća – Pridruživanje razreda vizualnim razvrstavanjem i prema vrsti (EN 1912:2004+A4:2010)  
Structural timber – Strength classes – Assignment of visual grades and species (EN 1912:2004+A4:2010)  
- zamijenjena s: HRN EN 1912:2012
- HRN EN 14081-3:2006 en  
Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 3. dio: Strojno razvrstavanje; dodatni zahtjevi za tvorničku kontrolu proizvodnje (EN 14081-3:2005)  
Timber structures – Strength graded structural timber with rectangular cross section – Part 3: Machine grading; additional requirements for factory production control (EN 14081-3:2005)  
- zamijenjena s: HRN EN 14081-3:2012

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

- HRN EN 1745:2003 en  
Zidovi i proizvodi za zidanje – Metode određivanja računskih toplinskih vrijednosti (EN 1745:2002)  
Masonry and masonry products – Methods for determining design thermal values (EN 1745:2002)  
- zamijenjena s: HRN EN 1745:2012

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

- HRN EN 1930:2004 en  
Proizvodi za dojenčad i malu djecu – Sigurnosne ograde – Sigurnosni zahtjevi i metode ispitivanja (EN 1930:2000)  
Child care articles – Safety barriers – Safety requirements and test methods (EN 1930:2000)  
- zamijenjena s: HRN EN 1930:2012
- HRN EN 1930:2004/A1:2008 en  
Proizvodi za dojenčad i malu djecu – Sigurnosne ograde – Sigurnosni zahtjevi i metode ispitivanja (EN 1930:2000/A1:2005)  
Child care articles – Safety barriers – Safety requirements and test methods (EN 1930:2000/A1:2005)  
- zamijenjena s: HRN EN 1930:2012

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

- HRN ISO 19258:2009 en  
Kakvoća tla – Smjernice u određivanju temeljnih vrijednosti (ISO 19258:2005)  
Soil quality – Guidance on the determination of background values (ISO 19258:2005)  
- zamijenjena s: HRN EN ISO 19258:2012

## **HZN/TO 196, Prirodni kamen**

- HRN EN 1467:2004 en  
Prirodni kamen – Sirovi blokovi – Specifikacije (EN 1467:2003)  
Natural stone – Rough blocks – Specifications (EN 1467:2003)  
- zamijenjena s: HRN EN 1467:2012
- HRN EN 1468:2004 en  
Prirodni kamen – Sirove ploče – Zahtjevi (EN 1468:2003)  
Natural stone – Rough slabs – Requirements (EN 1468:2003)  
- zamijenjena s: HRN EN 1468:2012
- HRN EN 14617-4:2008 en  
Kameni aglomerat – Ispitne metode – 4. dio: Određivanje otpornosti na abraziju (EN 14617-4:2005)  
Agglomerated stone – Test methods – Part 4: Determination of the abrasion resistance (EN 14617-4:2005)  
- zamijenjena s: HRN EN 14617-4:2012
- HRN EN 14617-5:2008 en  
Kameni aglomerat – Ispitne metode – 5. dio: Određivanje otpornosti na zamrzavanje i odmrzavanje (EN 14617-5:2005)  
Agglomerated stone – Test methods – Part 5: Determination of freeze and thaw resistance (EN 14617-5:2005)  
- zamijenjena s: HRN EN 14617-5:2012
- HRN EN 14617-6:2008 en  
Kameni aglomerat – Ispitne metode – 6. dio: Određivanje otpornosti na toplinski šok (EN 14617-6:2005)  
Agglomerated stone – Test methods – Part 6: Determination of thermal shock resistance (EN 14617-6:2005)  
- zamijenjena s: HRN EN 14617-6:2012

- HRN EN 14617-10:2008 en  
Kameni aglomerat – Ispitne metode – 10. dio: Određivanje otpornosti na kemikalije (EN 14617-10:2005)  
Agglomerated stone – Test methods – Part 10: Determination of chemical resistance (EN 14617-10:2005)  
- zamijenjena s: HRN EN 14617-10:2012

- HRN EN 14617-12:2008 en  
Kameni aglomerat – Ispitne metode – 12. dio: Određivanje postojanosti dimenzija (EN 14617-12:2005)  
Agglomerated stone – Test methods – Part 12: Determination of dimensional stability (EN 14617-12:2005)  
- zamijenjena s: HRN EN 14617-12:2012

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

- HRI ISO/TR 14032:2008 en  
Upravljanje okolišem – Primjeri ocjene učinka na okoliš (EPE) (ISO/TR 14032:1999)  
Environmental management – Examples of environmental performance evaluation (EPE) (ISO/TR 14032:1999)  
- bez zamjene

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

- HRN EN 12052:2008 en  
Medicinska informatika – Digitalne slike – Komunikacija, hodogrami i upravljanje podacima (EN 12052:2004)  
Health informatics – Digital imaging – Communication, workflow and data management (EN 12052:2004)  
- zamijenjena s: HRN EN ISO 12052:2012
- HRN ENV 12924:2003 en  
Medicinska informatika – Kategorizacija sigurnosti i zaštita zdravstvenih informacijskih sustava (ENV 12924:1997)  
Medical informatics – Security categorisation and protection for healthcare information systems (ENV 12924:1997)  
- bez zamjene
- HRN EN 12967-1:2008 en  
Medicinska informatika – Arhitektura usluga – 1. dio: Poslovno gledište (EN 12967-1:2007)  
Health informatics – Service architecture – Part 1: Enterprise viewpoint (EN 12967-1:2007)  
- zamijenjena s: HRN EN ISO 12967-1:2012
- HRN EN 12967-2:2008 en  
Medicinska informatika – Arhitektura usluga – 2. dio: Informacijsko gledište (EN 12967-2:2007)  
Health informatics – Service architecture – Part 2: Information viewpoint (EN 12967-2:2007)  
- zamijenjena s: HRN EN ISO 12967-2:2012
- HRN EN 12967-3:2008 en  
Medicinska informatika – Arhitektura usluga – 3. dio: Računalno gledište (EN 12967-3:2007)  
Health informatics – Service architecture – Part 3: Computational viewpoint (EN 12967-3:2007)  
- zamijenjena s: HRN EN ISO 12967-3:2012
- HRN ENV 13608-1:2003 en  
Medicinska informatika – Sigurnost komunikacije u zdravstvu – 1. dio: Pojmovi i nazivlje (ENV 13608-1:2000)  
Health informatics – Security for healthcare communication – Part 1: Concepts and terminology (ENV 13608-1:2000)  
- bez zamjene

HRN ENV 13608-2:2003 en  
Medicinska informatika – Sigurnost komunikacije u zdravstvu – 2. dio: Sigurnost podatkovnih objekata (ENV 13608-2:2000)  
Health informatics – Security for healthcare communication – Part 2: Secure data objects (ENV 13608-2:2000)  
- bez zamjene

HRN ENV 13608-3:2003 en  
Medicinska informatika – Sigurnost komunikacije u zdravstvu – 3. dio: Sigurnost kanala za prijenos podataka (ENV 13608-3:2000)  
Health informatics – Security for healthcare communication – Part 3: Secure data channels (ENV 13608-3:2000)  
- bez zamjene

HRN EN 14720-1:2008 en  
Medicinska informatika – Zahtjevi za zdravstvenim uslugama i izvješća – 1. dio: Osnovne usluge koje uključuju uputnicu i otpusno pismo (EN 14720:2005)  
Health informatics – Service request and report messages – Part 1: Basic services including referral and discharge (EN 14720:2005)  
- bez zamjene

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

HRN EN 13629:2008 en  
Wood flooring – Solid pre-assembled hardwood board (EN 13629:2002+AC:2007)  
- zamijenjena s: HRN EN 13629:2012

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

HRN EN 10169:2010 en  
Kontinuirano organski prevučeni (prevučeni koluti) plosnati čelični proizvodi – Tehnički uvjeti isporuke (EN 10169:2010)  
Continuously organic coated (coil coated) steel flat products – Technical delivery conditions (EN 10169:2010)  
- zamijenjena s: HRN EN 10169:2012

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

HRN EN 12696:2001 en  
Katodna zaštita čelika u betonu (EN 12696:2000)  
Cathodic protection of steel in concrete (EN 12696:2000)  
- zamijenjena s: HRN EN ISO 12696:2012

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

HRN EN 12928:2003 en  
Sistemi za zatvaranje čeličnih bačava s uprešanom prirubnicom ukupnog obujma od 17 l do 230 l (EN 12928:2000)  
Inserted flange type closure systems for steel drums with a total capacity of 17 l to 230 l (EN 12928:2000)  
- bez zamjene

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

HRN EN 1423:2004 en  
Materijali za oznake na kolniku – Dodaci – Staklene kuglice, agregati za smanjenje klizavosti i njihove mješavine (EN 1423:1997+A1:2003)  
Road marking materials – Drop on materials – Glass beads, antiskid aggregates and mixtures of the two (EN 1423:1997+A1:2003)  
- zamijenjena s: HRN EN 1423:2012

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

HRN EN ISO 772:2007 en  
Hidrometrija – Rječnik pojmova i oznaka (ISO 772:1996+Amd 1:2002+Amd 2:2004; EN ISO 772:2000+A1:2003+A2:2005)

Hydrometric determinations – Vocabulary and symbols (ISO 772:1996+Amd 1:2002+Amd 2:2004; EN ISO 772:2000+A1:2003+A2:2005)  
- zamijenjena s: HRN EN ISO 772:2012

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

HRN EN ISO 9311-2:2008 en  
Adhezivi za termoplastične cijevne sustave – 2. dio: Određivanje smične čvrstoće (ISO 9311-2:2002; EN ISO 9311-2:2002)  
Adhesives for thermoplastic piping systems – Part 2: Determination of shear strength (ISO 9311-2:2002; EN ISO 9311-2:2002)  
- zamijenjena s: HRN EN ISO 9311-2:2012

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

HRN EN ISO 14906:2008 en  
Cestovni prijevoz i prometna telematika – Elektronička naplata – Definicije programskih sučelja za dodijeljeno kratkovalno područje komunikacije (ISO 14906:2004; EN ISO 14906:2004)  
Road transport and traffic telematics – Electronic fee collection – Application interface definition for dedicated short-range communication (ISO 14906:2004; EN ISO 14906:2004)  
- zamijenjena s: HRN EN ISO 14906:2012

HRN EN ISO 15006:2008 en  
Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and compliance procedures for in-vehicle auditory presentation (ISO 15006:2004; EN ISO 15006:2004)  
- zamijenjena s: HRN EN ISO 15006:2012

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

HRN EN 1024:2004 en  
Glineni crijep za prijeklopno polaganje – Određivanje geometrijskih značajka (EN 1024:1997)  
Clay roofing tiles for discontinuous laying – Determination of geometric characteristics (EN 1024:1997)  
- zamijenjena s: HRN EN 1024:2012

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

HRN EN 58:2005 en  
Bitumen i bitumenska veziva – Uzorkovanje bitumenskih veziva (EN 58:2004)  
Bitumen and bituminous binders – Sampling bituminous binders (EN 58:2004)  
- zamijenjena s: HRN EN 58:2012

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

HRN EN 619:2003 en  
Prenosila i sustavi neprekidne dobave – Sigurnosni i EMC zahtjevi na opremu mehaničke dobave komadnog tereta (EN 619:2002)  
Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of unit loads (EN 619:2002)  
- zamijenjena s: HRN EN 619:2012

HRN EN 12999:2003 en  
Granici – Pretovarni granici (EN 12999:2002)  
Cranes – Loader cranes (EN 12999:2002)  
- zamijenjena s: HRN EN 12999:2012

HRN EN 12999:2003/A1:2008 en  
Granici – Pretovarni granici (EN 12999:2002/A1:2004)  
Cranes – Loader cranes (EN 12999:2002/A1:2004)  
- zamijenjena s: HRN EN 12999:2012



- HRN EN 12999:2003/A2:2008 en  
 Granici – Pretovarni granici (EN 12999:2002/A2:2006)  
 Cranes – Loader cranes (EN 12999:2002/A2:2006)  
 - zamijenjena s: HRN EN 12999:2012
- HRN EN 13135-1:2004 en  
 Granici – Sigurnost – Projektiranje – Zahtjevi na opremu – 1. dio: Elektrotehnička oprema (EN 13135-1:2003)  
 Cranes – Safety – Design – Requirements for equipment – Part 1: Electrotechnical equipment (EN 13135-1:2003)  
 - zamijenjena s: HRN EN 13135-1:2012
- HRN EN 13135-1:2004/Ispr.1:2008 en  
 Granici – Sigurnost – Projektiranje – Zahtjevi na opremu – 1. dio: Elektrotehnička oprema (EN 13135-1:2003/AC:2006)  
 Cranes – Safety – Design – Requirements for equipment – Part 1: Electrotechnical equipment (EN 13135-1:2003/AC:2006)  
 - zamijenjena s: HRN EN 13135-1:2012
- HRN EN 14502-1:2008 en  
 Granici – Oprema za dizanje osoba – 1. dio: Ovjешene košare (EN 14502-1:2005)  
 Cranes – Equipment for lifting persons – Part 1: Suspended baskets (EN 14502-1:2005)  
 - zamijenjena s: HRN EN 14502-1:2012

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

- HRN EN 13617-2:2008 en  
 Postaje za punjenje goriva – 2. dio: Sigurnosni zahtjevi kod konstrukcije i izvedbe sigurnosne opreme protiv proljevanja za upotrebu na mjernim pumpama i uređajima za istakanje (EN 13617-2:2004)  
 Petrol filling stations – Part 2: Safety requirements for construction and performance of safe breaks for use on metering pumps and dispensers (EN 13617-2:2004)  
 - zamijenjena s: HRN EN 13617-2:2012
- HRN EN 13617-3:2004 en  
 Benzinske postaje – 3. dio: Sigurnosni zahtjevi kod konstrukcije i izvedbe prekidnih zaklopki protiv istjecanja goriva (EN 13617-3:2004)  
 Petrol filling stations – Part 3: Safety requirements for construction and performance of shear valves (EN 13617-3:2004)  
 - zamijenjena s: HRN EN 13617-3:2012

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

- HRN EN 13541:2006 en  
 Staklo u graditeljstvu – Sigurnosno staklo – Ispitivanje i razredba otpornosti na tlak eksplozije (EN 13541:2000)  
 Glass in building – Security glazing – Testing and classification of resistance against explosion pressure (EN 13541:2000)  
 - zamijenjena s: HRN EN 13541:2012

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

- HRN EN 13727:2005 en  
 Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za vrednovanje baktericidne djelotvornosti kemijskih dezinficijensa za instrumente koji se upotrebljavaju u medicini – Metoda i zahtjevi testiranja (faza 2, korak 1) (EN 13727:2003)  
 Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants for instruments used in the medical area – Test method and requirements (phase 2, step 1) (EN 13727:2003)  
 - zamijenjena s: HRN EN 13727:2012

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

- HRN EN 1997-1:2008 en  
 Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila (EN 1997-1:2004)  
 Eurocode 7: Geotechnical design – Part 1: General rules (EN 1997-1:2004)  
 - zamijenjena s: HRN EN 1997-1:2012
- HRN EN 1997-1:2008/Ispr.1:2011 en  
 Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila (EN 1997-1:2004/AC:2009)  
 Eurocode 7: Geotechnical design – Part 1: General rules (EN 1997-1:2004/AC:2009)  
 - zamijenjena s: HRN EN 1997-1:2012
- HRN EN 1997-2:2008 en  
 Eurokod 7: Geotehničko projektiranje – 2. dio: Istraživanje i ispitivanje temeljnoga tla (EN 1997-2:2007)  
 Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing (EN 1997-2:2007)  
 - zamijenjena s: HRN EN 1997-2:2012
- HRN EN 1997-2:2008/Ispr.1:2011 en  
 Eurokod 7: Geotehničko projektiranje – 2. dio: Istraživanje i ispitivanje temeljnoga tla (EN 1997-2:2007/AC:2010)  
 Eurocode 7: Geotechnical design – Part 2: Ground investigation and testing (EN 1997-2:2007/AC:2010)  
 - zamijenjena s: HRN EN 1997-2:2012

### **HZN/TO 549, Svjetlo i rasvjeta**

- HRN EN 13032-1:2008 en  
 Svjetlo i rasvjeta – Mjerenje i prikaz fotometričkih podataka izvora svjetla i rasvjetnih tijela – 1. dio: Mjerenje i oblik podataka (EN 13032-1:2004+AC:2005)  
 Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 1: Measurement and file format (EN 13032-1:2004+AC:2005)  
 - zamijenjena s: HRN EN 13032-1:2012

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

- HRN EN ISO 11137-2:2008 en  
 Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – 2. dio: Utemeljenje doze za sterilizaciju (ISO 11137-2:2006, corrected version 2006-08-01; EN ISO 11137-2:2007)  
 Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2006, corrected version 2006-08-01; EN ISO 11137-2:2007)  
 - zamijenjena s: HRN EN ISO 11137-2:2012
- HRN EN ISO 11137-2:2008/Ispr.1:2009 en  
 Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – 2. dio: Utemeljenje doze za sterilizaciju (ISO 11137-2:2006/Cor 1:2009; EN ISO 11137-2:2007/AC:2009)  
 Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2006/Cor 1:2009; EN ISO 11137-2:2007/AC:2009)  
 - zamijenjena s: HRN EN ISO 11137-2:2012

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

- HRN EN 397:2001 en  
 Industrijske zaštitne kacige (EN 397:1995+A1:2000)  
 Industrial safety helmets (EN 397:1995+A1:2000)  
 - zamijenjena s: HRN EN 397:2012
- HRN EN 812:2001 en  
 Industrijske zaštitne kape (EN 812:1997)  
 Industrial bump caps (EN 812:1997)  
 - zamijenjena s: HRN EN 812:2012
- HRN EN 812:2001/A1:2002 en  
 Industrijske zaštitne kape (EN 812:1997/A1:2001)  
 Industrial bump caps (EN 812:1997/A1:2001)  
 - zamijenjena s: HRN EN 812:2012

- HRN EN 966:2001 en  
Kacige za sportove u zraku (EN 966:1996+A1:2000)  
Helmets for airborne sports (EN 966:1996+A1:2000)  
- zamijenjena s: HRN EN 966:2012
- HRN EN 966:2001/A2:2008 en  
Zaštitne kacige za sportove u zraku  
(EN 966:1996/A2:2006)  
Helmets for airborne sports (EN 966:1996/A2:2006)  
- zamijenjena s: HRN EN 966:2012
- HRN EN 1078:2001 en  
Kacige za bicikliste i korisnike koturaljki i daski na koturaljkama (EN 1078:1997)  
Helmets for pedal cyclists and for users of skateboards and roller skates (EN 1078:1997)  
- zamijenjena s: HRN EN 1078:2012
- HRN EN 1078:2001/A1:2008 en  
Zaštitne kacige za bicikliste i korisnike koturaljki i daski na koturaljkama (EN 1078:1997/A1:2005)  
Helmets for pedal cyclists and for users of skateboards and roller skates (EN 1078:1997/A1:2005)  
- zamijenjena s: HRN EN 1078:2012
- HRN EN 1384:2001 en  
Kacige za jahačke akrobatske aktivnosti  
(EN 1384:1996+A1:2001)  
Helmets for equestrian activities  
(EN 1384:1996+A1:2001)  
- zamijenjena s: HRN EN 1384:2012
- HRN EN 1385:2001 en  
Kacige za vožnju kanuima i sportove na divljim vodama  
(EN 1385:1997)  
Helmets for canoeing and white water sports  
(EN 1385:1997)  
- zamijenjena s: HRN EN 1385:2012
- HRN EN 1385:2001/A1:2008 en  
Zaštitne kacige za vožnju kanuima i sportove na divljim vodama (EN 1385:1997/A1:2005)  
Helmets for canoeing and white water sports  
(EN 1385:1997/A1:2005)  
- zamijenjena s: HRN EN 1385:2012
- HRN EN 12492:2001 en  
Planinarska oprema – Kacige za planinare – Zahtjevi sigurnosti i metode ispitivanja (EN 12492:2000)  
Mountaineering equipment – Helmets for mountaineers – Safety requirements and test methods  
(EN 12492:2000)  
- zamijenjena s: HRN EN 12492:2012
- HRN EN 12492:2001/A1:2008 en  
Planinarska oprema – Kacige za planinare – Sigurnosni zahtjevi i metode ispitivanja (EN 12492:2000/A1:2002)  
Mountaineering equipment – Helmets for mountaineers – Safety requirements and test methods  
(EN 12492:2000/A1:2002)  
- zamijenjena s: HRN EN 12492:2012
- HRN EN 13087-2:2001 en  
Zaštitne kacige – Metode ispitivanja – 2. dio: Prigušivanje udara (EN 13087-2:2000)  
Protective helmets – Test methods – Part 2: Shock absorption (EN 13087-2:2000)  
- zamijenjena s: HRN EN 13087-2:2012
- HRN EN 13087-2:2001/A1:2002 en  
Zaštitne kacige – Metode ispitivanja – 2. dio: Prigušivanje udara (EN 13087-2:2000/A1:2001)  
Protective helmets – Test methods – Part 2: Shock absorption (EN 13087-2:2000/A1:2001)  
- zamijenjena s: HRN EN 13087-2:2012
- HRN EN 13087-4:2001 en  
Zaštitne kacige – Metode ispitivanja – 4. dio: Djelotvornost sustava pričvršćivanja na glavu  
(EN 13087-4:2000)  
Protective helmets – Test methods – Part 4: Retention system effectiveness (EN 13087-4:2000)  
- zamijenjena s: HRN EN 13087-4:2012
- HRN EN 13087-5:2001 en  
Zaštitne kacige – Metode ispitivanja – 5. dio: Čvrstoća sustava pričvršćivanja na glavu (EN 13087-5:2000)  
Protective helmets – Test methods – Part 5: Retention system strength (EN 13087-5:2000)  
- zamijenjena s: HRN EN 13087-5:2012
- HRN EN 13087-6:2001 en  
Zaštitne kacige – Metode ispitivanja – 6. dio: Vidno polje (EN 13087-6:2000)  
Protective helmets – Test methods – Part 6: Field of vision (EN 13087-6:2000)  
- zamijenjena s: HRN EN 13087-6:2012
- HRN EN 13087-6:2001/A1:2002 en  
Zaštitne kacige – Metode ispitivanja – 6. dio: Vidno polje (EN 13087-6:2000/A1:2001)  
Protective helmets – Test methods – Part 6: Field of vision (EN 13087-6:2000/A1:2001)  
- zamijenjena s: HRN EN 13087-6:2012
- HRN EN 13087-10:2001 en  
Zaštitne kacige – Metode ispitivanja – 10. dio: Otpornost na toplinsko zračenje (EN 13087-10:2000)  
Protective helmets – Test methods – Part 10: Resistance to radiant heat (EN 13087-10:2000)  
- zamijenjena s: HRN EN 13087-10:2012
- HRN EN 13484:2001 en  
Kacige za korisnike saonica (EN 13484:2001)  
Helmets for users of luges (EN 13484:2001)  
- zamijenjena s: HRN EN 13484:2012
- HRN EN 13781:2001 en  
Zaštitne kacige za vozače i putnike motornih saonica i bobova (EN 13781:2001)  
Protective helmets for drivers and passengers of snowmobiles and bobsleighs (EN 13781:2001)  
- zamijenjena s: HRN EN 13781:2012
- HRN EN 14052:2006 en  
Visokozahtjevne industrijske kacige (EN 14052:2005)  
High performance industrial helmets (EN 14052:2005)  
- zamijenjena s: HRN EN 14052:2012
- HRN EN 15090:2007 en  
Obuća za vatrogasce (EN 15090:2006)  
Footwear for firefighters (EN 15090:2006)  
- zamijenjena s: HRN EN 15090:2012
- HRN EN ISO 20344:2007 hr  
Osobna zaštitna oprema – Ispitne metode za obuću (uključuje ispravak AC:2005)  
(ISO 20344:2004+Cor.1:2005;  
EN ISO 20344:2004+AC:2005)  
Personal protective equipment – Test methods for footwear (includes corrigendum AC:2005)  
(ISO 20344:2004+Cor.1:2005;  
EN ISO 20344:2004+AC:2005)  
- zamijenjena s: HRN EN ISO 20344:2012
- HRN EN ISO 20344:2007/A1:2008 hr  
Osobna zaštitna oprema – Ispitne metode za obuću – Amandman 1 (ISO 20344:2004/Amd 1:2007;  
EN ISO 20344:2004/A1:2007)  
Personal protective equipment – Test methods for footwear – Amendment 1  
(ISO 20344:2004/Amd 1:2007;  
EN ISO 20344:2004/A1:2007)  
- zamijenjena s: HRN EN ISO 20344:2012
- HRN EN ISO 20345:2007 hr  
Osobna zaštitna oprema – Sigurnosna obuća (uključuje ispravak AC:2007)  
(ISO 20345:2004+Cor. 2:2006;  
EN ISO 20345:2004+AC:2007)  
Personal protective equipment – Safety footwear (includes corrigendum AC:2007)  
(ISO 20345:2004+Cor. 2:2006;  
EN ISO 20345:2004+AC:2007)  
- zamijenjena s: HRN EN ISO 20345:2012

HRN EN ISO 20345:2007/A1:2008 hr  
Osobna zaštitna oprema – Sigurnosna obuća –  
Amandman 1 (ISO 20345:2004/Amd 1:2007;  
EN ISO 20345:2004/A1:2007)  
Personal protective equipment – Safety footwear –  
Amendment 1 (ISO 20345:2004/Amd 1:2007;  
EN ISO 20345:2004/A1:2007)  
- zamijenjena s: HRN EN ISO 20345:2012

HRN EN ISO 20347:2007 hr  
Osobna zaštitna oprema – Radna obuća (uključuje  
ispravak AC:2007) (ISO 20347:2004+Cor. 2:2006;  
EN ISO 20347:2004+AC:2007)  
Personal protective equipment – Occupational  
footwear (includes corrigendum AC:2007)  
(ISO 20347:2004+Cor. 2:2006;  
EN ISO 20347:2004+AC:2007)  
- zamijenjena s: HRN EN ISO 20347:2012

HRN EN ISO 20347:2007/A1:2008 hr  
Osobna zaštitna oprema – Radna obuća – Amandman  
1 (ISO 20347:2004/Amd 1:2007;  
EN ISO 20347:2004/A1:2007)  
Personal protective equipment – Occupational  
footwear – Amendment 1  
(ISO 20347:2004/Amd 1:2007;  
EN ISO 20347:2004/A1:2007)  
- zamijenjena s: HRN EN ISO 20347:2012

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

HRN EN 1267:2002 en  
Ventili – Ispitivanje otpora strujanja uporabom vode  
kao ispitnog fluida (EN 1267:1999)  
Valves – Test of flow resistance using water as test  
fluid (EN 1267:1999)  
- zamijenjena s: HRN EN 1267:2012

HRN EN 12266-1:2003 en  
Industrijski ventili – Ispitivanja ventila – 1. dio: Tlačna  
ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti  
– Uvjeti za ovlašćivanje (EN 12266-1:2003)  
Industrial valves – Testing of valves – Part 1: Pressure  
tests, test procedures and acceptance criteria –  
Mandatory requirements (EN 12266-1:2003)  
- zamijenjena s: HRN EN 12266-1:2012

HRN EN 12266-2:2003 en  
Industrijski ventili – Ispitivanje ventila – 2. dio:  
Ispitivanja, postupci ispitivanja i kriteriji prihvatljivosti  
– Dodatni zahtjevi (EN 12266-2:2002)  
Industrial valves – Part 2: Tests, test procedures and  
acceptance criteria – Supplementary requirements  
(EN 12266-2:2002)  
- zamijenjena s: HRN EN 12266-2:2012

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

HRN EN ISO 3758:2008 en  
Tekstilije – Označivanje njege primjenom simbola  
(ISO 3758:2005; EN ISO 3758:2005)  
Textiles – Care labelling code using symbols  
(ISO 3758:2005; EN ISO 3758:2005)  
- zamijenjena s: HRN EN ISO 3758:2012

HRN EN ISO 6330:2003 en  
Tekstil – Postupci pranja i sušenja u kućanstvu za  
ispitivanje tekstila (ISO 6330:2000; EN ISO 6330:2000)  
Textiles – Domestic washing and drying procedures  
for textile testing  
(ISO 6330:2000; EN ISO 6330:2000)  
- zamijenjena s: HRN EN ISO 6330:2012

HRN EN ISO 6330:2003/A1:2009 en  
Tekstilije – Postupci pranja i sušenja u kućanstvu u  
svrhu ispitivanja tekstila (ISO 6330:2000/Amd 1:2008;  
EN ISO 6330:2000/A1:2009)  
Textiles – Domestic washing and drying procedures  
for textile testing (ISO 6330:2000/Amd 1:2008;  
EN ISO 6330:2000/A1:2009)  
- zamijenjena s: HRN EN ISO 6330:2012

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

HRN EN 764-2:2008 en  
Tlačna oprema – 2. dio: Veličine, simboli i jedinice  
(EN 764-2:2002)  
Pressure equipment – Part 2: Quantities, symbols and  
units (EN 764-2:2002)  
- zamijenjena s: HRN EN 764-2:2012

HRN EN 1089-3:2008 en  
Prenosive plinske boce – Označivanje plinskih boca  
(osim UNP) – 3. dio: Označivanje bojom  
(EN 1089-3:2004)  
Transportable gas cylinders – Gas cylinder  
identification (excluding LPG) – Part 3: Colour coding  
(EN 1089-3:2004)  
- zamijenjena s: HRN EN 1089-3:2012

HRN EN ISO 11114-1:2002 en  
Prenosive plinske boce – Uskladivost materijala boce i  
ventila sa sadržanim plinom – 1. dio: Metalni materijali  
(ISO 11114-1:1997;  
EN ISO 11114-1:1997+AC:1998)  
Transportable gas cylinders – Compatibility of cylinder  
and valve materials with gas content – Part 1: Metallic  
materials (ISO 11114-1:1997;  
EN ISO 11114-1:1997+AC:1998)  
- zamijenjena s: HRN EN ISO 11114-1:2012

HRN EN 12245:2009 en  
Prenosive plinske boce – Potpuno omotane  
kompozitne boce (EN 12245:2009)  
Transportable gas cylinders – Fully wrapped  
composite cylinders (EN 12245:2009)  
- zamijenjena s: HRN EN 12245:2012

HRN EN 12816:2003 en  
Prenosive ponovno punjive čelične i aluminijске boce  
za UNP – Odlaganje (EN 12816:2001)  
Transportable refillable steel and aluminium LPG  
cylinders – Disposal (EN 12816:2001)  
- zamijenjena s: HRN EN 12816:2012

HRN EN 12953-1:2004 en  
Dimnocijevni kotlovi – 1. dio: Općenito  
(EN 12953-1:2002)  
Shell boilers – Part 1: General (EN 12953-1:2002)  
- zamijenjena s: HRN EN 12953-1:2012

HRN EN 12953-2:2004 en  
Dimnocijevni kotlovi – 2. dio: Materijali za dijelove kotla  
i opremu pod tlakom (EN 12953-2:2002)  
Shell boilers – Part 2: Materials for pressure parts of  
boilers and accessories (EN 12953-2:2002)  
- zamijenjena s: HRN EN 12953-2:2012

HRN EN 13109:2003 en  
Spremnici za UNP – Odlaganje (EN 13109:2002)  
LPG tanks – Disposal (EN 13109:2002)  
- zamijenjena s: HRN EN 13109:2012

HRN EN 13110:2003 en  
Prenosive ponovno punjive zavarene aluminijске boce  
za ukapljeni naftni plin – Projektiranje i konstruiranje  
(EN 13110:2002)  
Transportable refillable welded aluminium cylinders  
for liquefied petroleum gas – Design and construction  
(EN 13110:2002)  
- zamijenjena s: HRN EN 13110:2012

HRN EN 14189:2003 en  
Prenosive plinske boce – Pregled i održavanje ventila  
boca pri redovnom ispitivanju (EN 14189:2003)  
Transportable gas cylinders – Inspection and  
maintenance of cylinder valves at time of periodic  
inspection of gas cylinders (EN 14189:2003)  
- zamijenjena s: HRN EN ISO 22434:2012

HRN EN 14894:2008 en  
Oprema i pribor za UNP – Boce i spremnici,  
označivanje (EN 14894:2006)  
LPG equipment and accessories – Cylinder and drum  
marking (EN 14894:2006)  
- zamijenjena s: HRN EN 14894:2012

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

- HRN EN 940:2010 en  
Sigurnost strojeva za obradu drva – Kombinirani strojevi za obradu drva (EN 940:2009)  
Safety of woodworking machines – Combined woodworking machines (EN 940:2009)  
- zamijenjena s: HRN EN 940:2012
- HRN EN 1114-1:2008 en  
Strojevi za gumu i plastiku – Ekstruderi i linije za ekstrudiranje – 1. dio: Sigurnosni zahtjevi za ekstrudere (EN 1114-1:1996)  
Rubber and plastics machines – Extruders and extrusion lines – Part 1: Safety requirements for extruders (EN 1114-1:1996)  
- zamijenjena s: HRN EN 1114-1:2012
- HRN EN 1870-4:2010 en  
Sigurnost strojeva za obradu drva – Kružne pile – 4. dio: Višelisne pile s ručnim ulaganjem i/ili prihvaćanjem gotovog obratka (EN 1870-4:2001+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 4: Multiblade rip sawing machines with manual loading and/or unloading (EN 1870-4:2001+A1:2009)  
- zamijenjena s: HRN EN 1870-4:2012
- HRN EN 1870-13:2010 en  
Sigurnost strojeva za obradu drveta – Kružne pile – 13. dio: Horizontalne kružne pile za ploče s pritisnim uređajem (EN 1870-13:2007+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 13: Horizontal beam panel sawing machines (EN 1870-13:2007+A1:2009)  
- zamijenjena s: HRN EN 1870-13:2012
- HRN EN 1870-14:2010 en  
Sigurnost strojeva za obradu drveta – Kružne pile – 14. dio: Vertikalne kružne pile za ploče (EN 1870-14:2007+A1:2009)  
Safety of woodworking machines – Circular sawing machines – Part 14: Vertical panel sawing machines (EN 1870-14:2007+A1:2009)  
- zamijenjena s: HRN EN 1870-14:2012
- HRN EN 13236:2008 en  
Sigurnosni zahtjevi za superabrazive (EN 13236:2001+A1:2005)  
Safety requirements for superabrasives (EN 13236:2001+A1:2005)  
- zamijenjena s: HRN EN 13236:2012

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

- HRN EN 60645-3:1998 en  
Audiometri – 3. dio: Kratkotrajni slušni ispitni signali za audiometrijske i neuro-otološke namjene (IEC 60645-3:1994; EN 60645-3:1995)  
Audiometers – Part 3: Auditory test signals of short duration for audiometric and neuro-otological purposes (IEC 60645-3:1994; EN 60645-3:1995)  
- zamijenjena s: HRN EN 60645-3:2008
- HRN EN 60651:1998 en  
Zvukomjeri razine (IEC 60651:1979+am1:1993; EN 60651:1994+A1:1994)  
Sound level meters (IEC 60651:1979+am1:1993; EN 60651:1994+A1:1994)  
- zamijenjena s: HRN 61672-1:2004
- HRN EN 60651/A2:2002 en  
Zvukomjeri (IEC 60651:1979/A2:2000; EN 60651:1994/A2:2001)  
Sound level meters (IEC 60651:1979/A2:2000; EN 60651:1994/A2:2001)  
- zamijenjena s: HRN 61672-1:2004

- HRN EN 60804:2002 en  
Zvukomjeri s integriranjem i usrednjavanjem (IEC 60804:2000; EN 60804:2000)  
Integrating-averaging sound level meters (IEC 60804:2000; EN 60804:2000)  
- zamijenjena s: HRN 61672-1:2004
- HRN EN 61027:1998 en  
Instrumenti za mjerenje akustičke impedancije/ admitancije uha (IEC 61027:1991; EN 61027:1993)  
Instruments for the measurement of aural acoustic impedance/admittance (IEC 61027:1991; EN 61027:1993)  
- zamijenjena s: HRN EN 60645-5:2008
- HRN EN 61157:2002 en  
Zahtjevi za iskazivanje značajki izračenog zvuka medicinskih uređaja za ultrazvučnu dijagnostiku (IEC 61157:1992; EN 61157:1994)  
Requirements for the declaration of the acoustic output of medical diagnostic ultrasonic equipment (IEC 61157:1992; EN 61157:1994)  
- zamijenjena s: HRN EN 61157:2008
- HRN EN 61161:2004 en  
Mjerenje ultrazvučne snage u tekućinama u frekvencijskom području od 0,5 MHz do 25 MHz (IEC 61161:1998+am1:1998; EN 61161:1994+A1:1998)  
Ultrasonic power measurement in liquids in the frequency range 0,5 MHz to 25 MHz (IEC 61161:1992+am1:1998; EN 61161:1994+A1:1998)  
- zamijenjena s: HRN EN 61161:2008
- HRN EN 61220:2002 en  
Ultrazvuk – Polja – Uputa za mjerenje i opisivanje ultrazvučnih polja stvorenih medicinskim ultrazvučnim uređajima pomoću hidroфона u frekvencijskom području od 0,5 MHz do 15 MHz (IEC/TR2 61220:1993; EN 61220:1995)  
Ultrasonics – Fields – Guidance for the measurement and characterization of ultrasonic fields generated by medical ultrasonic equipment using hydrophones in the frequency range 0,5 to 15 MHz (IEC/TR2 61220:1993; EN 61220:1995)  
- zamijenjena s: HRN EN 62127-1:2008
- HRN EN 61689:2002 en  
Ultrazvuk – Fizikalnoterapijski sustavi – Zahtjevi za radne značajke i metode mjerenja u frekvencijskom području od 0,5 MHz do 5 MHz (IEC 61685:1996; EN 61689:1996)  
Ultrasonics – Physiotherapy systems – Performance requirements and methods of measurement in the frequency range 0,5 MHz to 5 MHz (IEC 61685:1996; EN 61689:1996)  
- zamijenjena s: HRN EN 61689:2008
- HRN EN 62092:2002 en  
Ultrazvuk – Hidrofoni – Značajke i umjeravanje u frekvencijskom pojasu od 15 MHz do 40 MHz (IEC 62092:2001; EN 62092:2001)  
Ultrasonics – Hydrophones – Characteristics and calibration in the frequency range from 15 MHz to 40 MHz (IEC 62092:2001; EN 62092:2001)  
- zamijenjena s: HRN EN 62127-1:2008

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

- HRN EN ISO 8536-2:2008 en  
Infusion equipment for medical use – Part 2: Closures for infusion bottles (ISO 8536-2:2001+Cor 1:2003; EN ISO 8536-2:2002+AC:2005)  
- zamijenjena s: HRN EN ISO 8536-2:2012
- HRN EN ISO 11608-1:2008 en  
Pen-injectors for medical use – Part 1: Pen-injectors – Requirements and test methods (ISO 11608-1:2000; EN ISO 11608-1:2000)  
- zamijenjena s: HRN EN ISO 11608-1:2012



- HRN EN ISO 11608-2:2008 en  
Pen-injectors for medical use — Part 2: Needles — Requirements and test methods (ISO 11608-2:2000; EN ISO 11608-2:2000)  
- zamijenjena s: HRN EN ISO 11608-2:2012
- HRN EN 12182:2008 en  
Technical aids for disabled persons — General requirements and test methods (EN 12182:1999)  
- zamijenjena s: HRN EN 12182:2012
- HRN EN ISO 20126:2008 en  
Dentistry — Manual toothbrushes — General requirements and test methods (ISO 20126:2005; EN ISO 20126:2005)  
- zamijenjena s: HRN EN ISO 20126:2012

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

- HRN EN 1459:2010 en  
Safety of industrial trucks — Self-propelled variable reach trucks (EN 1459:1998+A2:2010)  
- zamijenjena s: HRN EN 1459:2012
- HRN EN 15194:2010 en  
Cycles — Electrically power assisted cycles — EPAC Bicycles (EN 15194:2009)  
- zamijenjena s: HRN EN 15194:2012

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

- HRN EN ISO 81714-1:2008 en  
Oblikovanje grafičkih simbola za primjenu u tehničkoj dokumentaciji proizvoda — 1. dio: Osnovna pravila (ISO 81714-1:1999; EN ISO 81714-1:1999)  
Design of graphical symbols for use in the technical documentation of products — Part 1: Basic rules (ISO 81714-1:1999; EN ISO 81714-1:1999)  
- zamijenjena s: HRN EN ISO 81714-1:2012

## **1.6 Ispravci hrvatskih norma**

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

### **HZN/TO 147/PO 2, *Kvaliteta vode; Fizikalno-kemijske metode ispitivanja***

- **umjesto**
- HRN EN ISO 10304-1:2009/Ispr.1:2012  
Kakvoća vode — Određivanje otopljenih aniona ionskom tekućinskom kromatografijom — 1. dio: Određivanje bromida, klorida, fluorida, nitrata, nitrita, fosfata i sulfata — Tehnički ispravak 1 (ISO 10304-1:2007/Cor 1:2010; EN ISO 10304-1:2009/AC:2012)  
Water quality — Determination of dissolved anions by liquid chromatography of ions — Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate — Technical Corrigendum 1 (ISO 10304-1:2007/Cor 1:2010; EN ISO 10304-1:2009/AC:2012)
- **treba biti**
- HRN EN ISO 10304-1:2009/Ispr.1:2012  
Kakvoća vode — Određivanje otopljenih aniona ionskom tekućinskom kromatografijom — 1. dio: Određivanje bromida, klorida, fluorida, nitrata, nitrita, fosfata i sulfata — Tehnički ispravak 1 (EN ISO 10304-1:2009/AC:2012)  
Water quality — Determination of dissolved anions by liquid chromatography of ions — Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate — Technical Corrigendum 1 (EN ISO 10304-1:2009/AC:2012)

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

- **umjesto**
- HRN EN 13031-1:2008  
Staklenici — Projektiranje i izgradnja — 1. dio: Komercijalna proizvodnja staklenika (EN 13031-1:2001)  
Greenhouses — Design and construction — Part 1: Commercial production greenhouses (EN 13031-1:2001)
- **treba biti**
- HRN EN 13031-1:2008  
Staklenici — Projektiranje i izgradnja — 1. dio: Staklenici za komercijalnu proizvodnju (EN 13031-1:2001)  
Greenhouses — Design and construction — Part 1: Commercial production greenhouses (EN 13031-1:2001)

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

- **umjesto**
- HRN EN 61753-087-2:2012  
Fibre optic interconnecting devices and passive components — Performance standard — Part 087-2: Non-connectorized single-mode bidirectional 1310 nm upstream and 1490 nm downstream WWDM devices for category C — Controlled environment (IEC 61753-087-2:2010; EN 61753-087-2:2011+AC:2011)
- **treba biti**
- HRN EN 61753-087-2:2012  
Fibre optic interconnecting devices and passive components — Performance standard — Part 087-2: Non-connectorized single-mode bidirectional 1310 nm upstream and 1490 nm downstream WWDM devices for category C — Controlled environment (IEC 61753-087-2:2010; EN 61753-087-2:2011)
- **umjesto**
- HRN EN 62148-3:2012  
Fibre optic active components and devices — Package and interface standards — Part 3: SFF 20-pin transceivers (IEC 62148-3:2010; EN 62148-3:2011+AC:2011)
- **treba biti**
- HRN EN 62148-3:2012  
Fibre optic active components and devices — Package and interface standards — Part 3: SFF 20-pin transceivers (IEC 62148-3:2010; EN 62148-3:2011)

## **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 207, *Upravljanje okolišem***

- HRN EN ISO 14006:2012  
Sustav upravljanja okolišem — Smjernice za uključivanje eko-dizajna (ISO 14006:2011; EN ISO 14006:2011)  
Environmental management systems — Guidelines for incorporating ecodesign (ISO 14006:2011; EN ISO 14006:2011)
- HRN EN ISO 14065:2012  
Staklenički plinovi — Zahtjevi za validaciju emisija stakleničkih plinova (iz postrojenja) i tijela koja provode verifikaciju pri akreditaciji ili drugim oblicima odobrenja (ISO 14065:2007; EN ISO 14065:2012)  
Greenhouse gases — Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition (ISO 14065:2007; EN ISO 14065:2012)

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

### **01.040.21 Mehanički sustavi i sastavnice za opću uporabu (Rječnici)**

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

ISO/TR 4378-6:2012  
Plain bearings – Terms, definitions, classification and symbols – Part 6: Abbreviated terms

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

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

ISO 8373:2012  
Robots and robotic devices – Vocabulary

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

#### **Europska normizacija**

EN 60819-1:2012  
Non-cellulosic papers for electrical purposes – Part 1: Definitions and general requirements (IEC 60819-1:2009)  
EN 61360-4:2005/AC:2005  
Standard data element types with associated classification scheme for electric components – Part 4: IEC reference collection of standard data element types and component classes (IEC 60360-4:2005)

### **01.040.31 Elektronika (Rječnici)**

#### **Europska normizacija**

EN 61360-4:2005/AC:2005  
Standard data element types with associated classification scheme for electric components – Part 4: IEC reference collection of standard data element types and component classes (IEC 60360-4:2005)  
EN 62595-1-2:2012  
LCD backlight unit – Part 1-2: Terminology and letter symbols (IEC 62595-1-2:2011)

### **01.040.37 Tehnika obradbe slike (Rječnici)**

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

ISO 12231:2012  
Photography – Electronic still picture imaging – Vocabulary

### **01.040.91 Građevna gradiva i gradnja (Rječnici)**

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

ISO 13006:2012  
Ceramic tiles – Definitions, classification, characteristics and marking

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

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

ISO 23953-1:2005/Amd 1:2012  
Refrigerated display cabinets – Part 1: Vocabulary; Amendment 1

#### **Europska normizacija**

EN ISO 23953-1:2005/A1:2012  
Refrigerated display cabinets – Part 1: Vocabulary – Amendment 1 (ISO 23953-1:2005/Amd 1:2012)

### **01.070 Označivanje bojama**

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

ISO 3864-3:2012  
Graphical symbols – Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs

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

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

ISO 3864-3:2012  
Graphical symbols – Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs

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

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

ISO 7000:2012  
Graphical symbols for use on equipment – Registered symbols  
ISO 27185:2012  
Cardiac rhythm management devices – Symbols to be used with cardiac rhythm management device labels, and information to be supplied – General requirements

### **01.080.30 Grafički znakovi za uporabu u strojarskim i građevnim crtežima, shemama, planovima, zemljovidima i u odgovarajućoj tehničkoj dokumentaciji o proizvodima**

#### **Europska normizacija**

EN 61666:2010/AC:2010  
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system (IEC 61666:2010)

### **01.110 Tehnička dokumentacija o proizvodu**

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

IEC 62023:2011/Corr.1:2012  
Structuring of technical information and documentation; Corrigendum 1

## 01.120 Normizacija. Opća pravila

### Europska normizacija

- CEN Guide 15:2012  
Guidance document for the development of service standards
- CEN/CLC Guide 21:2012  
CEN-CENELEC Membership Fee – Calculation methodology & periodic review policy
- CLC Guide 1:2012  
Survey of Resolutions of the CENELEC General Assembly

## 03.080.99 Ostale usluge

### Međunarodna normizacija (ISO)

- ISO/IEC 20000-2:2012  
Information technology – Service management – Part 2: Guidance on the application of service management systems

## 03.100.30 Upravljanje ljudskim vrelima

### Europska normizacija

- CEN Guide 15:2012  
Guidance document for the development of service standards

## 03.120.10 Upravljanje kakvoćom i osiguravanje kakvoće

### Europska normizacija

- EN ISO 13485:2012  
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2003)

## 03.120.20 Potvrđivanje proizvoda i tvrtki. Procjena sukladnosti

### Međunarodna normizacija (ISO)

- ISO/IEC 17020:2012  
Conformity assessment – Requirements for the operation of various types of bodies performing inspection

### Europska normizacija

- EN ISO/IEC 17020:2012  
Conformity assessment – Requirements for the operation of various types of bodies performing inspection (ISO/IEC 17020:2012)

## 03.120.30 Primjena statističkih metoda

### Međunarodna normizacija (ISO)

- ISO 7870-3:2012  
Control charts – Part 3: Acceptance control charts

## 03.220.01 Prijevoz općenito

### Međunarodna normizacija (ISO)

- ISO 21216:2012  
Intelligent transport systems – Communication access for land mobiles (CALM) – Millimetre wave air interface

## 11.040.01 Medicinska oprema općenito

### Europska normizacija

- EN ISO 13485:2012  
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2003)

## 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

### Međunarodna normizacija (IEC)

- IEC 60601-2-19:2009/Corr.1:2012  
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators; Corrigendum 1
- IEC 60601-2-20:2009  
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators; Corrigendum 1

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija (ISO)

- ISO 1135-4:2012  
Transfusion equipment for medical use – Part 4: Transfusion sets for single use

### Europska normizacija

- EN ISO 1135-4:2012  
Transfusion equipment for medical use – Part 4: Transfusion sets for single use (ISO 1135-4:2012)

## 11.040.40 Implantati za kirurgiju, protetiku i ortotiku

### Međunarodna normizacija (ISO)

- ISO 7199:2009/Amd 1:2012  
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) – Amendment 1: Clarifications for test methodologies, labelling, and sampling schedule
- ISO 27185:2012  
Cardiac rhythm management devices – Symbols to be used with cardiac rhythm management device labels, and information to be supplied – General requirements

## 11.040.55 Dijagnostička oprema

### Međunarodna normizacija (IEC)

- IEC 60601-2-33:2010/Corr.1:2012  
Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis
- IEC 60601-2-47:2012  
Medical electrical equipment – Part 2-47: Particular requirements for the basic safety and essential performance of ambulatory electrocardiographic systems

## **Europska normizacija**

EN 60601-2-33:2010/AC:2010

Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33:2010)

### **11.060.10 Zubarska gradiva**

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

ISO 9693-1:2012

Dentistry – Compatibility testing – Part 1: Metal-ceramic systems

#### **Europska normizacija**

EN ISO 9693-1:2012

Dentistry – Compatibility testing – Part 1: Metal-ceramic systems (ISO 9693-1:2012)

### **11.060.20 Zubarska oprema**

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

IEC 80601-2-60:2012

Medical electrical equipment – Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment

### **11.080.01 Sterilizacija i dezinfekcija općenito**

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

ISO 11137-2:2012

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

#### **Europska normizacija**

EN ISO 11137-2:2012

Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2012)

### **11.140 Bolnička oprema**

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

IEC 80601-2-35:2009/Corr.1:2012

Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use

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

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

IEC 60118-15:2012

Electroacoustics – Hearing aids – Part 15: Methods for characterising signal processing in hearing aids with a speech-like signal

### **11.180.30 Pomagala za čitanje**

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

ISO 23599:2012

Assistive products for blind and vision-impaired persons – Tactile walking surface indicators

### **11.200 Nadzor nad rađanjem. Mehanička kontracepcijska sredstva**

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

ISO 8009:2004/Amd 1:2012

Mechanical contraceptives – Reusable natural and silicone rubber contraceptive diaphragms – Requirements and tests; Amendment 1

### **13.020.10 Upravljanje okolišem**

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

ISO 13315-1:2012

Environmental management for concrete and concrete structures – Part 1: General principles

### **13.020.30 Ocjena utjecaja na okoliš**

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

IEC 62474:2012

Material declaration for products of and for the electrotechnical industry

### **13.040.20 Kakvoća zraka u okolišu**

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

ISO 16000-28:2012

Indoor air – Part 28: Determination of odour emissions from building products using test chambers

### **13.040.30 Kakvoća zraka na radnome mjestu**

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

ISO 15202-2:2012

Workplace air – Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry – Part 2: Sample preparation

### **13.040.40 Ispuštanja iz nepomičnih izvora**

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

ISO/IEC 28360:2012

Information technology – Office equipment – Determination of chemical emission rates from electronic equipment

### **13.060.50 Ispitivanje voda na kemijske tvari**

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

ISO 12010:2012

Water quality – Determination of short-chain polychlorinated alkanes (SCCPs) in water – Method using gas chromatography-mass spectrometry (GC-MS) and negative-ion chemical ionization (NCI)



## Europska normizacija

EN ISO 10304-1:2009/AC:2012

Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate – Technical Corrigendum 1 (ISO 10304-1:2007/Cor 1:2010)

EN ISO 16265:2012

Water quality – Determination of the methylene blue active substances (MBAS) index – Method using continuous flow analysis (CFA) (ISO 16265:2009)

### 13.060.70 Ispitivanje bioloških svojstava vode

#### Međunarodna normizacija (ISO)

ISO 8692:2012

Water quality – Fresh water algal growth inhibition test with unicellular green algae

ISO 14371:2012

Water quality – Determination of fresh water sediment toxicity to *Heterocypris incongruens* (Crustacea, Ostracoda)

ISO 29201:2012

Water quality – The variability of test results and the uncertainty of measurement of microbiological enumeration methods

#### Europska normizacija

EN ISO 8692:2012

Water quality – Fresh water algal growth inhibition test with unicellular green algae (ISO 8692:2012)

### 13.080.10 Kemijske značajke tla

#### Međunarodna normizacija (ISO)

ISO 12914:2012

Soil quality – Microwave-assisted extraction of the aqua regia soluble fraction for the determination of elements

### 13.080.30 Biološka svojstva tla

#### Međunarodna normizacija (ISO)

ISO 11063:2012

Soil quality – Method to directly extract DNA from soil samples Soil quality – Method to directly extract DNA from soil samples

ISO 11269-1:2012

Soil quality – Determination of the effects of pollutants on soil flora – Part 1: Method for the measurement of inhibition of root growth

ISO 11269-2:2012

Soil quality – Determination of the effects of pollutants on soil flora – Part 2: Effects of contaminated soil on the emergence and early growth of higher plants

### 13.140 Utjecaj buke na ljude

#### Međunarodna normizacija (ISO)

ISO 8253-3:2012

Acoustics – Audiometric test methods – Part 3: Speech audiometry

#### Međunarodna normizacija (IEC)

IEC 60645-1:2012

Electroacoustics – Audiometric equipment – Part 1: Equipment for pure-tone audiometry

## Europska normizacija

EN ISO 8253-3:2012

Acoustics – Audiometric test methods – Part 3: Speech audiometry (ISO 8253-3:2012)

### 13.180 Ergonomija

#### Međunarodna normizacija (ISO)

ISO 9241-143:2012

Ergonomics of human-system interaction – Part 143: Forms

ISO 28802:2012

Ergonomics of the physical environment – Assessment of environments by means of an environmental survey involving physical measurements of the environment and subjective responses of people

ISO 28803:2012

Ergonomics of the physical environment – Application of international standards to people with special requirements

#### Europska normizacija

EN ISO 9241-143:2012

Ergonomics of human-system interaction – Part 143: Forms (ISO 9241-143:2012)

EN ISO 28802:2012

Ergonomics of the physical environment – Assessment of environments by means of an environmental survey involving physical measurements of the environment and subjective responses of people (ISO 28802:2012)

EN ISO 28803:2012

Ergonomics of the physical environment – Application of international standards to people with special requirements (ISO 28803:2012)

### 13.200 Zaštita od nezgoda i velikih nesreća

#### Europska normizacija

EN 1317-5:2007+A2:2012

Road restraint systems – Part 5: Product requirements and evaluation of conformity for vehicle restraint systems

### 13.220.01 Zaštita od požara općenito

#### Međunarodna normizacija (ISO)

ISO 16732-1:2012

Fire safety engineering – Fire risk assessment – Part 1: General

#### Europska normizacija

HD 384.4.482 S1:1997/AC:2012

Electrical installations of buildings – Part 4: Protection for safety – Chapter 48: Choice of protective measures as a function of external influences – Section 482: Protection against fire where particular risks or danger exist

### 13.220.20 Oprema za zaštitu od požara

#### Međunarodna normizacija (ISO)

ISO 21927-9:2011

Smoke and heat control systems – Part 9: Specification for control equipment

## Europska normizacija

- EN 54-25:2008/AC:2012  
Fire detection and fire alarm systems – Part 25:  
Components using radio links

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

#### Međunarodna normizacija (IEC)

- IEC 60695-2-13:2010/Corr.1:2012  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials; Corrigendum 1

#### Europska normizacija

- EN 60749-32:2003/AC:2003  
Semiconductor devices – Mechanical and climatic test methods – Part 32: Flammability of plastic-encapsulated devices (externally induced) (IEC 60749-32:2002)
- EN 61249-2-5:2003/AC:2005  
Materials for printed boards and other interconnecting structures – Part 2-5: Reinforced base materials, clad and unclad – Brominated epoxide cellulose paper reinforced core / woven E-glass reinforced surfaces laminated sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-5:2003)
- EN 61249-2-6:2003/AC:2005  
Materials for printed boards and other interconnecting structures – Part 2-6: Reinforced base materials, clad and unclad – Brominated epoxide non-woven/ woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-6:2003)
- EN 61249-2-7:2002/AC:2005  
Materials for printed boards and other interconnecting structures – Part 2-7: Reinforced base materials, clad and unclad – Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad (IEC 61249-2-7:2002)

### 13.230 Zaštita od eksplozija

#### Europska normizacija

- CLC/TR 50404:2003/AC:2010  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- CLC/TR 50404:2003/AC:2009  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- EN 13541:2012  
Glass in building – Security glazing – Testing and classification of resistance against explosion pressure

### 13.260 Zaštita od električnog udara

#### Europska normizacija

- CLC/TR 50404:2003/AC:2010  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- CLC/TR 50404:2003/AC:2009  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- EN 50274:2002/AC:2009  
Low-voltage switchgear and controlgear assemblies – Protection against electric shock – Protection against unintentional direct contact with hazardous live parts

- EN 50286:1999/AC:2004  
Electrical insulating protective clothing for low-voltage installations
- EN 60832-1:2010/AC:2010  
Live working – Insulating sticks and attachable devices – Part 1: Insulating sticks (IEC 60832-1:2010)
- EN 60832-2:2010/AC:2010  
Live working – Insulating sticks and attachable devices – Part 2: Attachable devices (IEC 60832-2:2010)
- EN 61477:2009/AC:2010  
Live working – Minimum requirements for the utilization of tools, devices and equipment (IEC 61477:2009+Corr:2009)

### 13.280 Zaštita od zračenja

#### Međunarodna normizacija (ISO)

- ISO 2919:2012  
Radiological protection – Sealed radioactive sources – General requirements and classification

#### Europska normizacija

- EN 60825-1/A2/AC:2004  
Safety of laser products – Part 1: Equipment classification and requirements (IEC 60825-1:1993/am2:2001)

### 13.300 Zaštita od opasnih tvari

#### Europska normizacija

- EN 13081:2008+A1:2012  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler
- EN 13082:2008+A1:2012  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve

### 13.320 Alarmni sustavi i sustavi uzbunjivanja

#### Europska normizacija

- EN 50131-3:2009/AC:2010  
Alarm systems – Intrusion and hold-up systems – Part 3: Control and indicating equipment
- EN 50132-1:2010/AC:2010  
Alarm systems – CCTV surveillance systems for use in security applications – Part 1: System requirements
- EN 50402:2005/AC:2009  
Electrical apparatus for the detection and measurement of combustible or toxic gases or vapours or of oxygen – Requirements on the functional safety of fixed gas detection systems
- EN 50518-1:2010/AC:2010  
Monitoring and alarm receiving centre – Part 1: Location and construction requirements

### 13.340.10 Zaštitna odjeća

#### Europska normizacija

- EN 50286:1999/AC:2004  
Electrical insulating protective clothing for low-voltage installations

## 13.340.20 Zaštitna oprema za glavu

### Europska normizacija

- EN 1384:2012  
Helmets for equestrian activities
- EN 14052:2012  
High performance industrial helmets

## 13.340.50 Zaštitna obuća

### Međunarodna normizacija (ISO)

- ISO 20347:2012  
Personal protective equipment – Occupational footwear

### Europska normizacija

- EN ISO 20347:2012  
Personal protective equipment – Occupational footwear (ISO 20347:2012)

## 13.340.60 Oprema za zaštitu od pada

### Međunarodna normizacija (ISO)

- ISO 22846-2:2012  
Personal equipment for protection against falls – Rope access systems – Part 2: Code of practice

## 17.040.30 Mjerila

### Europska normizacija

- EN ISO 3040:2012  
Geometrical product specifications (GPS) – Dimensioning and tolerancing – Cones (ISO 3040:2009)

## 17.100 Mjerenje sile, težine i tlaka

### Europska normizacija

- EN 61518:2001/AC:2002  
Mating dimensions between differential pressure (type) measuring instruments and flanged-on shut-off devices up to 413 bar (41,3 MPa) (IEC 61518:2001)

## 17.140.01 Akustička mjerenja i smanjenje buke općenito

### Međunarodna normizacija (ISO)

- EN ISO 3745:2012  
Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Precision methods for anechoic rooms and hemi-anechoic rooms (ISO 3745:2012)

### Europska normizacija

- ISO 3745:2012  
Acoustics – Determination of sound power levels and sound energy levels of noise sources using sound pressure – Precision methods for anechoic rooms and hemi-anechoic rooms
- ISO 26101:2012  
Acoustics – Test methods for the qualification of free-field environments

## 17.140.20 Buka koju proizvode strojevi i oprema

### Međunarodna normizacija (IEC)

- IEC 60704-2-6:2012  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-6: Particular requirements for tumble dryers

## 17.140.30 Buka koju proizvode prijevozna sredstva

### Međunarodna normizacija (ISO)

- ISO/PAS 17208-1:2012  
Acoustics – Quantities and procedures for description and measurement of underwater sound from ships – Part 1: General requirements for measurements in deep water

## 17.160 Vibracije, udari i mjerenja vibracija

### Međunarodna normizacija (ISO)

- ISO 13374-3:2012  
Condition monitoring and diagnostics of machines – Data processing, communication and presentation – Part 3: Communication
- ISO 18312-1:2012  
Mechanical vibration and shock – Measurement of vibration power flow from machines into connected support structures – Part 1: Direct method
- ISO 18312-2:2012  
Mechanical vibration and shock – Measurement of vibration power flow from machines into connected support structures – Part 2: Indirect method
- ISO 14839-4:2012  
Mechanical vibration – Vibration of rotating machinery equipped with active magnetic bearings – Part 4: Technical guidelines

## 17.180.20 Boje i mjerenje svjetlosti

### Europska normizacija

- EN 13032-1:2004+A1:2012  
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 1: Measurement and file format

## 17.180.30 Optička mjerila

### Europska normizacija

- EN 62129:2006/AC:2006  
Calibration of optical spectrum analyzers (IEC 62129:2006)

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Međunarodna normizacija (IEC)

- IEC 60404-11:1991/am2:2012  
Amendment 2 – Magnetic materials – Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

## 17.240 Mjerenje zračenja

### Europska normizacija

EN 62233:2008/AC:2008

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure (IEC 62233:2005, modified)

## 19.080 Električna i elektronička ispitivanja

### Međunarodna normizacija (IEC)

IEC 61010-2-033:2012

Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-033: Particular requirements for hand-held multimeters and other meters, for domestic and professional use, capable of measuring mains voltage

### Europska normizacija

EN 60060-3:2006/AC:2006

High voltage test techniques – Part 3: Definitions and requirements for on-site tests

EN 61187:1994/AC:1995

Electrical and electronic measuring equipment – Documentation

## 21.060.20 Matice

### Međunarodna normizacija (ISO)

ISO 898-2:2012

Mechanical properties of fasteners made of carbon steel and alloy steel – Part 2: Nuts with specified property classes – Coarse thread and fine pitch thread

### Europska normizacija

EN ISO 898-2:2012

Mechanical properties of fasteners made of carbon steel and alloy steel – Part 2: Nuts with specified property classes – Coarse thread and fine pitch thread (ISO 898-2:2012)

## 21.100.10 Ravni ležajevi

### Međunarodna normizacija (ISO)

ISO/TR 4378-6:2012

Plain bearings – Terms, definitions, classification and symbols – Part 6: Abbreviated terms

ISO 14287:2012

Plain bearings – Pad materials for tilting pad bearings

## 21.100.20 Valjni ležajevi

### Međunarodna normizacija (ISO)

ISO 355:2007/Amd 1:2012

Rolling bearings – Tapered roller bearings – Boundary dimensions and series designations; Amendment 1

ISO 12297:2012

Rolling bearings – Steel cylindrical rollers – Dimensions and tolerances

## 21.120.40 Uravnoteženje i strojevi za uravnoteženje

### Međunarodna normizacija (ISO)

ISO 21940-13:2012

Mechanical vibration – Rotor balancing – Part 13: Criteria and safeguards for the in-situ balancing of medium and large rotors

ISO 21940-32:2012

Mechanical vibration – Rotor balancing – Part 32: Shaft and fitment key convention

## 21.220.10 Remenski pogon i njegove sastavnice

### Međunarodna normizacija (ISO)

ISO 12046:2012

Synchronous belt drives – Automotive belts – Determination of physical properties

## 23.020.20 Posude i kontejneri ugrađeni na vozila

### Europska normizacija

EN 13081:2008+A1:2012

Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler

EN 13082:2008+A1:2012

Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Međunarodna normizacija (ISO)

ISO 11114-1:2012

Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials

### Europska normizacija

EN 1440:2008+A1:2012

LPG equipment and accessories – Periodic inspection of transportable refillable LPG cylinders

EN 12493:2008+A1:2012

LPG equipment and accessories – Welded steel tanks for liquefied petroleum gas (LPG) – Road tankers design and manufacture

EN ISO 11114-1:2012

Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials (ISO 11114-1:2012)

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Europska normizacija

CEN/TR 12108:2012

Plastics piping systems – Guidance for the installation inside buildings of pressure piping systems for hot and cold water intended for human consumption



## 23.040.20 Plastične cijevi

### Međunarodna normizacija (ISO)

- ISO 8483:2003/Amd 1:2012  
Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Test methods to prove the design of bolted flange joints; Amendment 1
- ISO 8533:2003/Amd 1:2012  
Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Test methods to prove the design of cemented or wrapped joints; Amendment 1
- ISO 10467:2004/Amd 1:2012  
Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin; Amendment 1
- ISO 15306:2003/Amd 1:2012  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the resistance to cyclic internal pressure; Amendment 1

## 23.040.45 Plastični fitinzi

### Međunarodna normizacija (ISO)

- ISO 8483:2003/Amd 1:2012  
Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Test methods to prove the design of bolted flange joints; Amendment 1
- ISO 8533:2003/Amd 1:2012  
Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin – Test methods to prove the design of cemented or wrapped joints; Amendment 1
- ISO 15306:2003/Amd 1:2012  
Glass-reinforced thermosetting plastics (GRP) pipes – Determination of the resistance to cyclic internal pressure; Amendment 1

## 23.040.60 Prirubnice, spojke i druge cijevne veze

### Europska normizacija

- CEN/TR 1591-5:2012  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 5: Calculation method for full face gasketed joints
- EN 13081:2008+A1:2012  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler

## 23.040.99 Druge sastavnice za cjevovode

### Europska normizacija

- EN 14917:2009+A1:2012  
Metal bellows expansion joints for pressure applications

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

### Europska normizacija

- EN 13082:2008+A1:2012  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve

## 23.060.40 Regulatori tlaka

### Međunarodna normizacija (ISO)

- ISO 11114-1:2012  
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials

### Europska normizacija

- EN 60534-3-1:2000/AC:2000  
Industrial-process control valves – Part 3-1: Dimensions – Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves (IEC 60534-3-1:2000)

## 23.080 Pumpe

### Europska normizacija

- EN 60335-2-51:2003/A2:2012  
Household and similar electrical appliances – Safety – Part 2-51: Particular requirements for stationary circulation pumps for heating and service water installations (IEC 60335-2-51:2002/am2:2011)

## 23.100.60 Filtri, britve i onečišćenje fluida

### Međunarodna normizacija (ISO)

- ISO 3601-1:2012  
Fluid power systems – O-rings – Part 1: Inside diameters, cross-sections, tolerances and designation codes
- ISO 16431:2012  
Hydraulic fluid power – System clean-up procedures and verification of cleanliness of assembled systems

## 25.040.30 Industrijski roboti. Manipulatori

### Međunarodna normizacija (ISO)

- ISO 8373:2012  
Robots and robotic devices – Vocabulary

## 25.040.40 Mjerenje i upravljanje u industrijskim procesima

### Europska normizacija

- EN 61069-1:1993/AC:1993  
Industrial-process measurement and control – Evaluation of system properties for the purpose of system assessment – Part 1: General considerations and methodology (IEC 61069-1:1991)

## 25.080.01 Alatni strojevi općenito

### Međunarodna normizacija (ISO)

- ISO 230-1:2012  
Test code for machine tools – Part 1: Geometric accuracy of machines operating under no-load or quasi-static conditions

## 25.100.01 Alati za rezanje općenito

### Međunarodna normizacija (ISO)

- ISO 6987:2012  
Indexable hard material inserts with rounded corners,  
with partly cylindrical fixing hole – Dimensions

## 25.140.20 Električni alati

### Europska normizacija

- EN 50144-2-7:2000/AC:2003  
Safety of hand-held electric motor operated tools –  
Part 2-7: Particular requirements for spray guns
- EN 50580:2012  
Safety of hand-held electric motor operated tools –  
Particular requirements for spray guns
- EN 60335-2-45:2002/A2:2012  
Household and similar electrical appliances – Safety –  
Part 2-45: Particular requirements for portable heating  
tools and similar appliances  
(IEC 60335-2-45:2002/am2:2011)

## 25.140.30 Ručni alati

### Međunarodna normizacija (ISO)

- ISO 3316:2012  
Assembly tools for screws and nuts – Attachments  
for hand-operated square drive socket wrenches –  
Dimensions and tests

## 25.160.10 Procesi zavarivanja

### Međunarodna normizacija (ISO)

- ISO 15614-1:2004/Amd 2:2012  
Specification and qualification of welding procedures  
for metallic materials – Welding procedure test –  
Part 1: Arc and gas welding of steels and arc welding  
of nickel and nickel alloys; Amendment 2

### Europska normizacija

- EN ISO 15614-1:2004/A2:2012  
Specification and qualification of welding procedures  
for metallic materials – Welding procedure test –  
Part 1: Arc and gas welding of steels and arc welding  
of nickel and nickel alloys – Amendment 2  
(ISO 15614-1:2004/Amd 2:2012)

## 25.160.20 Potrošna gradiva za zavarivanje

### Međunarodna normizacija (ISO)

- ISO 14174:2012  
Welding consumables – Fluxes for submerged arc  
welding and electroslag welding – Classification

### Europska normizacija

- EN ISO 3690:2012  
Welding and allied processes – Determination of  
hydrogen content in arc weld metal (ISO 3690:2012)
- EN ISO 14174:2012  
Welding consumables – Fluxes for submerged arc  
welding and electroslag welding – Classification  
(ISO 14174:2012)

## 25.180.10 Električne peći

### Europska normizacija

- EN 60676:2012  
Industrial electroheating equipment – Test methods  
for direct arc furnaces (IEC 60676:2011)

## 25.220.10 Priprema površina

### Međunarodna normizacija (ISO)

- ISO 8503-1:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 1: Specifications and definitions for ISO surface  
profile comparators for the assessment of abrasive  
blast-cleaned surfaces
- ISO 8503-2:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 2: Method for the grading of surface profile of  
abrasive blast-cleaned steel – Comparator procedure
- ISO 8503-3:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 3: Method for the calibration of ISO surface profile  
comparators and for the determination of surface  
profile – Focusing microscope procedure
- ISO 8503-4:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 4: Method for the calibration of ISO surface profile  
comparators and for the determination of surface  
profile – Stylus instrument procedure

### Europska normizacija

- EN ISO 8503-1:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 1: Specifications and definitions for ISO surface  
profile comparators for the assessment of abrasive  
blast-cleaned surfaces (ISO 8503-1:2012)
- EN ISO 8503-2:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 2: Method for the grading of surface profile of  
abrasive blast-cleaned steel – Comparator procedure  
(ISO 8503-2:2012)
- EN ISO 8503-3:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 3: Method for the calibration of ISO surface profile  
comparators and for the determination of surface  
profile – Focusing microscope procedure  
(ISO 8503-3:2012)
- EN ISO 8503-4:2012  
Preparation of steel substrates before application  
of paints and related products – Surface roughness  
characteristics of blast-cleaned steel substrates –  
Part 4: Method for the calibration of ISO surface profile  
comparators and for the determination of surface  
profile – Stylus instrument procedure  
(ISO 8503-4:2012)

## 27.070 Gorivi članci

### Međunarodna normizacija (IEC)

- IEC 62282-2:2012  
Fuel cell technologies – Part 2: Fuel cell modules
- IEC 62282-3-100:2012  
Fuel cell technologies – Part 3-100: Stationary fuel cell power systems – Safety

## 27.080 Toplinske pumpe

### Europska normizacija

- EN 60335-2-40:2003/AC:2010  
Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:2002, modified)
- EN 60335-2-40:2003/AC:2006  
Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:2002, modified)
- EN 60335-2-40:2003/A13:2012  
Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

## 27.140 Hidroenergetika

### Međunarodna normizacija (IEC)

- IEC/TR 61850-7-510:2012  
Communication networks and systems for power utility automation – Part 7-510: Basic communication structure – Hydroelectric power plants – Modelling concepts and guidelines

## 27.160 Sunčeva energija

### Europska normizacija

- HD 60364-7-712:2005/AC:2006  
Electrical installations of buildings – Part 7-712: Requirements for special installations or locations – Solar photovoltaic (PV) power supply systems (IEC 60364-7-712:2002)

## 27.180 Sustavi vjetrovinih turbina i drugi alternativni izvori energije

### Europska normizacija

- EN 50308:2004/AC:2005  
Wind turbines – Protective measures – Requirements for design, operation and maintenance

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija (IEC)

- IEC 60695-2-13:2010/Corr.1:2012  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials; Corrigendum 1
- IEC 62023:2011/Corr.1:2012  
Structuring of technical information and documentation; Corrigendum 1
- IEC 62474:2012  
Material declaration for products of and for the electrotechnical industry

## Europska normizacija

- EN 50160:2010/AC:2010  
Voltage characteristics of electricity supplied by public electricity networks
- CLC/TR 50404:2003/AC:2010  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- CLC/TR 50404:2003/AC:2009  
Electrostatics – Code of practice for the avoidance of hazards due to static electricity
- CLC/TR 50422:2003/AC:2005  
Guide for the application of the European Standard EN 50160

## 29.030 Magnetska gradiva

### Međunarodna normizacija (IEC)

- IEC 60404-11:1991/am2:2012  
Amendment 2 – Magnetic materials – Part 11: Method of test for the determination of surface insulation resistance of magnetic sheet and strip

### Europska normizacija

- EN 60404-2:1998/A1:2008/AC:2008  
Magnetic materials – Part 2: Methods of measurement of the magnetic properties of electrical steel strip and sheet by means of an Epstein frame (IEC 60404-2:1996/am1:2008)

## 29.035.01 Izolacijska gradiva općenito

### Međunarodna normizacija (IEC)

- IEC 60695-2-13:2010/Corr.1:2012  
Fire hazard testing – Part 2-13: Glowing/hot-wire based test methods – Glow-wire ignition temperature (GWIT) test method for materials; Corrigendum 1
- IEC 60811-100:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 100: General
- IEC 60811-201:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 201: General tests – Measurement of insulation thickness
- IEC 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 60811-203:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 203: General tests – Measurement of overall dimensions
- IEC 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 60811-302:2012  
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
- IEC 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 60811-402:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 402: Miscellaneous tests – Water absorption tests

- IEC 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 60811-412:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 412: Miscellaneous tests – Thermal ageing methods – Ageing in an air bomb
- IEC 60811-501:2012  
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 60811-502:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 502: Mechanical tests – Shrinkage test for insulations
- IEC 60811-503:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 503: Mechanical tests – Shrinkage test for sheaths
- IEC 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 60811-505:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 505: Mechanical tests – Elongation at low temperature for insulations and sheaths
- IEC 60811-506:2012  
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 60811-508:2012  
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 60811-509:2012  
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 60811-601:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 601: Physical tests – Measurement of the drop point of filling compounds
- IEC 60811-602:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 602: Physical tests – Separation of oil in filling compounds
- IEC 60811-603:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 603: Physical tests – Measurement of total acid number of filling compounds
- IEC 60811-604:2012  
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 60811-606:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 606: Physical tests – Methods for determining the density

## Europska normizacija

- EN 60544-5:2012  
Electrical insulating materials – Determination of the effects of ionizing radiation – Part 5: Procedures for assessment of ageing in service (IEC 60544-5:2011)
- EN 60626-3:2008/AC:2008  
Combined flexible materials for electrical insulation – Part 3: Specifications for individual materials (IEC 60626-3:2008)

## 29.035.20 Plastična i gumena izolacijska gradiva

### Međunarodna normizacija (IEC)

- IEC 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 60811-404:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 404: Miscellaneous tests – Mineral oil immersion tests for sheaths
- IEC 60811-405:2012  
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 60811-406:2012  
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 60811-407:2012  
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 60811-408:2012  
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 60811-409:2012  
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 60811-410:2012  
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 60811-507:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 507: Mechanical tests – Hot set test for cross-linked materials
- IEC 60811-510:2012  
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 60811-511:2012  
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 60811-512:2012  
Electric and optical fibre cables – Test methods for non-metallic materials – Part 512: Mechanical tests – Methods specific to polyethylene and polypropylene compounds – Tensile strength and elongation at break after conditioning at elevated temperature
- IEC 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 60811-605:2012  
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 60811-607:2012  
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

### Europska normizacija

- EN 50290-2-21:2001/AC:2003  
Communication cables – Part 2-21: Common design rules and construction – PVC insulation compounds
- EN 60454-3-8:2006/AC:2006  
Pressure-sensitive adhesive tapes for electrical purposes – Part 3: Specifications for individual materials – Sheet 8: Woven fabric tapes with pressure-sensitive adhesive based on glass, cellulose acetate alone or combined with viscose fibre (IEC 60454-3-8:2006)
- EN 60684-3-212:2006/AC:2006  
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 212: Heat-shrinkable polyolefin sleeveings (IEC 60684-3-212:2005)
- EN 60684-3-233:2006/AC:2006  
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 233: Heat-shrinkable fluoroelastomer sleeving, flame retarded, fluid resistant, shrink ratio 2:1 (IEC 60684-3-233:2006)
- EN 62329-1:2006/AC:2006  
Heat shrinkable moulded shapes – Part 1: Definitions and general requirements (IEC 62329-1:2005)

## 29.035.50 Gradiva koja se temelje na tinjcu

### Europska normizacija

- EN 60371-3-2:2006/AC:2006  
Insulating materials based on mica – Part 3: Specifications for individual materials – Sheet 2: Mica paper (IEC 60371-3-2:2005)
- EN 60371-3-5:2006/AC:2006  
Insulating materials based on mica – Part 3: Specifications for individual materials – Sheet 5: Glass-backed mica paper with an epoxy resin binder for post-impregnation (VPI) (IEC 60371-3-5:2005)

## 29.035.60 Proizvodi za ukrašavanje

### Europska normizacija

- EN 60464-2:2001/A1:2006/AC:2006  
Varnishes used for electrical insulation – Part 2: Methods of test (IEC 60464-2:2001/am1:2006)

## 29.035.99 Druga izolacijska gradiva

### Europska normizacija

- EN 60819-1:2012  
Non-cellulosic papers for electrical purposes – Part 1: Definitions and general requirements (IEC 60819-1:2009)
- EN 61061-2:2001/AC:2002  
Specification for non-impregnated, densified laminated wood for electrical purposes – Part 2: Methods of test (IEC 61061-2:1992)

## 29.040.10 Izolacijska ulja

### Međunarodna normizacija (IEC)

- IEC 60296:2012  
Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear
- IEC 61181:2007/am1:2012  
Mineral oil-filled electrical equipment – Application of dissolved gas analysis (DGA) to factory tests on electrical equipment
- IEC 61181:2007+A1:2012  
Mineral oil-filled electrical equipment – Application of dissolved gas analysis (DGA) to factory tests on electrical equipment

### Europska normizacija

- EN 60296:2004/AC:2004  
Fluids for electrotechnical applications – Unused mineral insulating oils for transformers and switchgear (IEC 60296:2003)
- EN 60970:2007/AC:2008  
Insulating liquids – Methods for counting and sizing particles (IEC 60970:2007)
- EN 61144:1993/AC:1993  
Test method for the determination of oxygen index of insulating liquids (IEC 61144:1992)

## 29.050 Električno vodljiva gradiva

### Međunarodna normizacija (IEC)

- IEC/TR 60344:2007/Corr.1:2012  
Calculation of d.c. resistance of plain and coated copper conductors of low-frequency cables and wires – Application guide; Corrigendum 1

## 29.060.10 Žice

### Europska normizacija

- EN 50182:2001/AC:2005  
Conductors for overhead lines – Round wire concentric lay stranded conductors

## 29.060.20 Kabeli

### Europska normizacija

- EN 50214:2006/AC:2007  
Flat polyvinyl chloride sheathed flexible cables
- EN 60228:2005/AC:2005  
Conductors of insulated cables (IEC 60228:2004)  
HD 605 S2:2008/AC:2010  
Electric cables – Additional test methods

## 29.080.01 Električna izolacija općenito

### Europska normizacija

- EN 50124-1:2001/AC:2007  
Railway applications – Insulation coordination –  
Part 1: Basic requirements – Clearances and creepage  
distances for all electrical and electronic equipment
- EN 50124-2:2001/AC:2010  
Railway applications – Insulation coordination –  
Part 2: Overvoltages and related protection

## 29.080.10 Izolatori

### Međunarodna normizacija (IEC)

- IEC/TR 62730:2012  
HV polymeric insulators for indoor and outdoor use  
tracking and erosion testing by wheel test and 5 000h  
test

### Europska normizacija

- EN 50151:2003/AC:2010  
Railway applications – Fixed installations – Electric  
traction – Special requirements for composite  
insulators
- EN 62217:2006/AC:2006  
Polymeric insulators for indoor and outdoor use with a  
nominal voltage > 1 000 V – General definitions, test  
methods and acceptance criteria (IEC 62217:2005)

## 29.080.20 Provodni izolatori

### Europska normizacija

- EN 50262:1998/AC:1998  
Cable glands for electrical installations

## 29.080.30 Izolacijski sustavi

### Europska normizacija

- EN 60664-4:2006/AC:2006  
Insulation coordination for equipment within low-  
voltage systems – Part 4: Consideration of high-  
frequency voltage stress (IEC 60664-4:2005)

## 29.100.10 Magnetske sastavnice

### Europska normizacija

- EN 62317-2:2010/AC:2010  
Ferrite cores – Dimensions – Part 2: Pot-cores for  
use in telecommunications, power supply, and filter  
applications (IEC 62317-2:2010)

## 29.100.20 Električne i elektromehaničke sastavnice

### Europska normizacija

- EN 61360-4:2005/AC:2005  
Standard data element types with associated  
classification scheme for electric components –  
Part 4: IEC reference collection of standard data  
element types and component classes

## 29.100.99 Druge električne sastavnice

### Europska normizacija

- EN 50102/AC:2002  
Degrees of protection provided by enclosures for  
electrical equipment against external mechanical  
impacts (IK code)

## 29.120.10 Zaštitne cijevi za električne potrebe

### Europska normizacija

- EN 60670-1:2005/AC:2010  
Boxes and enclosures for electrical accessories for  
household and similar fixed electrical installations –  
Part 1: General requirements  
(IEC 60670-1:2002+Corr:2003, modified)
- EN 60670-1:2005/AC:2007  
Boxes and enclosures for electrical accessories for  
household and similar fixed electrical installations –  
Part 1: General requirements  
(IEC 60670-1:2002+Corr:2003, modified)
- EN 61386-21:2004/AC:2004  
Conduit systems for cable management – Part 21:  
Particular requirements – Rigid conduit systems  
(IEC 61386-21:2002)
- EN 61386-22:2004/AC:2004  
Conduit systems for cable management – Part 22:  
Particular requirements – Pliable conduit systems  
(IEC 61386-21:2002)
- EN 61386-23:2004/AC:2004  
Conduit systems for cable management – Part 23:  
Particular requirements – Flexible conduit systems  
(IEC 61386-21:2002)

## 29.120.30 Utikači, utičnice, sprežnici

### Međunarodna normizacija (IEC)

- IEC 60309-2:2005/am2:2012  
Amendment 2 – Plugs, socket-outlets and couplers for  
industrial purposes – Part 2: Dimensional  
interchangeability requirements for pin and contact-  
tube accessories
- IEC 60309-4:2006/am1:2012  
Amendment 1 – Plugs, socket-outlets and couplers for  
industrial purposes – Part 4: Switched socket-outlets  
and connectors with or without interlock

### Europska normizacija

- EN 50250:2002/AC:2007  
Conversion adaptors for industrial use

## 29.120.40 Sklopke

### Međunarodna normizacija (IEC)

- IEC 60669-1 Interpretation Sheet 01:2012  
Switches for household and similar fixed-electrical  
installations – Part 1: General requirements
- IEC/TR 62750:2012  
Unified fluorescent lamp dimming standard calculations

### Europska normizacija

- EN 60669-1:1999/A1:2002/AC:2007  
Switches for household and similar fixed-electrical  
installations – Part 1: General requirements  
(IEC 60669-1:1998, modified)

EN 60669-2-1:2004/AC:2007

Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches (IEC 60669-2-1:2002, modified)

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Europska normizacija

EN 60127-3:1996/AC:1996

Miniature fuses – Part 3: Sub-miniature fuse-links (IEC 60127-3:1988+am1:1991+Corr:1994)

EN 60898-1:2003/AC: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, modified)

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; Amendment 11

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, modified)

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; Amendment 11

EN 61543:1995/AC:1997

Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995)

EN 61543:1995/A11:2003/AC:2004

Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility; Amendment 11

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, modified)

## 29.120.99 Drugi električni pribor

### Europska normizacija

EN 61242:1997/A1:2008/AC:2010

Electrical accessories – Cable reels for household and similar purposes (IEC 61242:1995/am1:2008)

EN 61914:2009/AC:2009

Cable cleats for electrical installations (IEC 61914:2009)

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 62271-102 Edition 1.1:2012

High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches

### Europska normizacija

EN 50052:1986/A2:1993/AC:2007

Cast aluminium alloy enclosures for gas-filled high-voltage switchgear and controlgear

EN 50064:1989/A1:1993/AC:2007

Wrought aluminium and aluminium alloy enclosures for gas-filled high-voltage switchgear and controlgear

EN 50068:1991/AC:2007

Wrought steel enclosures for gas-filled high-voltage switchgear and controlgear

EN 50069:1991/AC:2007

Welded composite enclosures of cast and wrought aluminium alloys for gas-filled high-voltage switchgear and controlgear

EN 62271-102:2002/AC:2008

High-voltage switchgear and controlgear – Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2001+Corr:2002)

EN 62271-201:2006/AC:2006

High-voltage switchgear and controlgear – Part 201: AC insulation-enclosed switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV (IEC 62271-201:2006)

EN 62271-205:2008/AC:2008

High-voltage switchgear and controlgear – Part 205: Compact switchgear assemblies for rated voltages above 52 kV (IEC 62271-205:2008)

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 61439-3:2012

Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)

### Europska normizacija

EN 50274:2002/AC:2009

Low-voltage switchgear and controlgear assemblies – Protection against electric shock – Protection against unintentional direct contact with hazardous live parts

EN 60439-3:1991/AC:2009

Low-voltage switchgear and controlgear assemblies – Part 3: Particular requirements for low-voltage switchgear and controlgear assemblies intended to be installed in places where unskilled persons have access for their use – Distribution boards (IEC 60439-3:1991, modified)

EN 60947-5-1:2004/AC:2005

Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices (IEC 60947-5-1:2003)

## 29.140.10 Kape i držači svjetiljki

### Europska normizacija

EN 60238:2004/AC:2005

Edison screw lampholders (IEC 60238:2004)

EN 60061-1:1993/A47:2012

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/am47:2011)

## 29.140.20 Svjetiljke sa žarnom niti

### Međunarodna normizacija (IEC)

- IEC 60432-1 Edition 2.2:2012  
Incandescent lamps – Safety specifications –  
Part 1: Tungsten filament lamps for domestic and  
similar general lighting purposes
- IEC 60432-2:2005/am2:2012  
Amendment 2 – Incandescent lamps – Safety  
specifications – Part 2: Tungsten halogen lamps for  
domestic and similar general lighting purposes

### Europska normizacija

- EN 60357:2003/AC:2003  
Tungsten halogen lamps (non-vehicle) – Performance  
specifications (IEC 60357:2002, modified)

## 29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

### Međunarodna normizacija (IEC)

- IEC 62639:2012  
Fluorescent induction lamps – Performance  
specification
- IEC/TR 62750:2012  
Unified fluorescent lamp dimming standard calculations

### Europska normizacija

- EN 60901:1996/A1:1997/AC:1997  
Single-capped fluorescent lamps – Performance  
specifications

## 29.140.40 Rasvjetna tijela

### Međunarodna normizacija (IEC)

- IEC 60598-2-13 Edition 1.1:2012  
Luminaires – Part 2-13: Particular requirements –  
Ground recessed luminaires

### Europska normizacija

- EN 60598-2-2:2012  
Luminaires – Part 2-2: Particular requirements –  
Recessed luminaires (IEC 60598-2-2:2011)
- EN 60598-2-3:2003/AC:2005  
Luminaires – Part 2-3: Particular requirements –  
Luminaires for road and street lighting  
(IEC 60598-2-3:2002)
- EN 60598-2-5:1998/AC:1998  
Luminaires – Part 2-5: Particular requirements –  
Floodlights (IEC 60598-2-5:1998)
- EN 60598-2-7:1989/A2:1996/AC:1999  
Luminaires – Part 2: Particular requirements –  
Section 7: Portable luminaires for garden use  
(IEC 60598-2-7:1982/am2:1994, modified)
- EN 60598-2-10:2003/AC:2005  
Luminaires – Part 2-10: Particular requirements –  
Portable luminaires for children (IEC 60598-2-10:2003)
- EN 60598-2-11:2005/AC:2005  
Luminaires – Part 2-11: Particular requirements –  
Aquarium luminaires (IEC 60598-2-11:2005)
- EN 60598-2-12:2006/AC:2006  
Luminaires – Part 2-12: Particular requirements –  
Mains socket-outlet mounted nightlights  
(IEC 60598-2-12:2006)
- EN 60598-2-13:2006/AC:2006  
Luminaires – Part 2-13: Particular requirements –  
Ground recessed luminaires (IEC 60598-2-13:2006)

- EN 60598-2-19:1989/AC:2005  
Luminaires – Part 2: Particular requirements – Section  
19: Air-handling luminaires (safety requirements)  
(IEC 60598-2-19:1981+am1:1987, modified)
- EN 60598-2-20:2010/AC:2010  
Luminaires – Part 2-20: Particular requirements –  
Lighting chains (IEC 60598-2-20:2010)
- EN 60598-2-22:1998/AC:2007  
Luminaires – Part 2-22: Particular requirements –  
Luminaires for emergency lighting  
(IEC 60598-2-22:1997, modified)
- EN 60598-2-23:1996/AC:1997  
Luminaires – Part 2-23: Particular requirements –  
Extra low-voltage lighting systems for filament lamps  
(IEC 60598-2-23:1996)

## 29.140.99 Druge norme koje se odnose na svjetiljke

### Europska normizacija

- EN 60927:2007/AC:2008  
Auxiliaries for lamps – Starting devices (other than  
glow starters) – Performance requirements  
(IEC 60927:2007)
- EN 61347-2-1:2001/AC:2010  
Lamp controlgear – Part 2-1: Particular requirements  
for starting devices (other than glow starters)  
(IEC 61347-2-1:2000)
- EN 61347-2-1:2001/AC:2003  
Lamp controlgear – Part 2-1: Particular requirements  
for starting devices (other than glow starters)  
(IEC 61347-2-1:2000)
- EN 61347-2-1:2001/A1:2006/AC:2010  
Lamp controlgear – Part 2-1: Particular requirements  
for starting devices (other than glow starters)  
(IEC 61347-2-1:2000/am1:2005)
- EN 61347-2-2:2001/AC:2010  
Lamp controlgear – Part 2-2: Particular requirements  
for d.c. or a.c. supplied electronic step-down converters  
for filament lamps (IEC 61347-2-2:2000)
- EN 61347-2-2:2001/AC:2003  
Lamp controlgear – Part 2-2: Particular requirements  
for d.c. or a.c. supplied electronic step-down converters  
for filament lamps (IEC 61347-2-2:2000)
- EN 61347-2-2:2001/A1:2006/AC:2006  
Lamp controlgear – Part 2-2: Particular requirements  
for d.c. or a.c. supplied electronic step-down converters  
for filament lamps (IEC 61347-2-2:2000/am1:2005)
- EN 61347-2-7:2006/AC:2010  
Lamp controlgear – Part 2-7: Particular requirements  
for d.c. supplied electronic ballasts for emergency  
lighting (IEC 61347-2-7:2006)
- EN 61347-2-7:2006/AC:2003  
Lamp controlgear – Part 2-7: Particular requirements  
for d.c. supplied electronic ballasts for emergency  
lighting (IEC 61347-2-7:2006)
- EN 61347-2-8:2001/AC:2010  
Lamp controlgear – Part 2-8: Particular requirements  
for ballasts for fluorescent lamps (IEC 61347-2-8:2000)
- EN 61347-2-8:2001/AC:2003  
Lamp controlgear – Part 2-8: Particular requirements  
for ballasts for fluorescent lamps (IEC 61347-2-8:2000)
- EN 61347-2-9:2001/AC:2010  
Lamp controlgear – Part 2-9: Particular requirements  
for ballasts for discharge lamps (excluding fluorescent  
lamps) (IEC 61347-2-9:2000)
- EN 61347-2-9:2001/AC:2003  
Lamp controlgear – Part 2-9: Particular requirements  
for ballasts for discharge lamps (excluding fluorescent  
lamps) (IEC 61347-2-9:2000)



- EN 61347-2-10:2001/AC:2010  
Lamp controlgear – Part 2-10: Particular requirements for electronic invertors and converters for high-frequency operation of cold start tubular discharge lamps (neon tubes) (IEC 61347-2-10:2000)
- EN 61347-2-11:2001/AC:2010  
Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires (IEC 61347-2-11:2001)
- EN 61347-2-11:2001/AC:2002  
Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires (IEC 61347-2-11:2001)
- EN 61347-2-12:2005/AC:2010  
Lamp controlgear – Part 2-12: Particular requirements for d.c. or a.c. supplied electronic ballasts for discharge lamps (excluding fluorescent lamps) (IEC 61347-2-12:2005)
- EN 61347-2-13:2006/AC:2010  
Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules (IEC 61347-2-13:2006)

### 29.160.01 Rotacijski strojevi općenito

#### Europska normizacija

- EN 60034-1:2010/AC:2010  
Rotating electrical machines – Part 1: Rating and performance (IEC 60034-1:2010, modified)

### 29.160.30 Motori

#### Europska normizacija

- EN 61377-1:2006/AC:2006  
Railway applications – Rolling stock – Part 1: Combined testing of inverter-fed alternating current motors and their control system (IEC 61377-1:2006)

### 29.160.40 Električni agregati

#### Europska normizacija

- EN 62040-1:2008/AC:2009  
Uninterruptible power systems (UPS) – Part 1: General and safety requirements for UPS (IEC 62040-1:2008+Corr:2008)
- EN 62040-2:2006/AC:2006  
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62040-2:2005)

### 29.180 Transformatori. Prigušnice

#### Europska normizacija

- EN 50216-5:2002/A2:2005/AC:2006  
Power transformer and reactor fittings – Part 5: Liquid level, pressure and flow indicators, pressure relief devices and dehydrating breathers
- EN 50299:2002/AC:2004  
Oil-immersed cable connection assemblies for transformers and reactors having highest voltage for equipment Um from 72,5 kV to 550 kV
- EN 50329:2003/AC:2006  
Railway applications – Fixed installations – Traction transformers  
CLC/TR 50453:2007/AC:2007  
Evaluation of electromagnetic fields around power transformers

- EN 61558-1:2005/AC:2006  
Safety of power transformers, power supplies, reactors and similar products – Part 1: General requirements and tests (IEC 61558-1:2005)

### 29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

#### Europska normizacija

- EN 50171:2001/AC:2001  
Central power supply systems
- EN 50328:2003/AC:2006  
Railway applications – Fixed installations – Electronic power converters for substations

### 29.220.20 Kiseli sekundarni članci i baterije

#### Međunarodna normizacija (IEC)

- IEC 61056-1:2012  
General purpose lead-acid batteries (valve-regulated types) – Part 1: General requirements, functional characteristics – Methods of test
- IEC 61056-2:2012  
General purpose lead-acid batteries (valve-regulated types) – Part 2: Dimensions, terminals and marking

#### Europska normizacija

- EN 50272-3:2002/AC:2003  
Safety requirements for secondary batteries and battery installations – Part 3: Traction batteries
- EN 61982-2:2002/AC:2002  
Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test (IEC 61982-2:2002)

### 29.220.30 Alkalni sekundarni članci i baterije

#### Europska normizacija

- EN 61959:2004/AC:2004  
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries (IEC 61959:2004)

### 29.240.01 Mreže za prijenos i razdiobu električne energije općenito

#### Europska normizacija

- HD 60364-7-705:2007/AC:2008  
Low-voltage electrical installations – Part 7-705: Requirements for special installations or locations – Agricultural and horticultural premises (IEC 60364-7-705:2006, modified)
- EN 61936-1:2010/AC:2012  
Power installations exceeding 1 kV a.c. – Part 1: Common rules

### 29.240.20 Vodovi za prijenos i razdiobu električne energije

#### Europska normizacija

- EN 50341-2:2001/AC:2006  
Overhead electrical lines exceeding AC 45 kV – Part 2: Index of National Normative Aspects

- EN 50341-3:2001/AC:2010-10  
Overhead electrical lines exceeding AC 45 kV –  
Part 3: Set of National Normative Aspects
- EN 50341-3:2001/AC:2010-06  
Overhead electrical lines exceeding AC 45 kV –  
Part 3: Set of National Normative Aspects
- EN 50341-3:2001/AC:2009  
Overhead electrical lines exceeding AC 45 kV –  
Part 3: Set of National Normative Aspects
- EN 50341-3:2001/AC:2006-10  
Overhead electrical lines exceeding AC 45 kV –  
Part 3: Set of National Normative Aspects
- EN 50341-3:2001/AC:2006-04  
Overhead electrical lines exceeding AC 45 kV –  
Part 3: Set of National Normative Aspects
- EN 50423-3:2005/AC:2010-10  
Overhead electrical lines exceeding AC 1 kV up to  
and including AC 45 kV – Part 3: Set of National  
Normative Aspects
- EN 50423-3:2005/AC:2010-06  
Overhead electrical lines exceeding AC 1 kV up to  
and including AC 45 kV – Part 3: Set of National  
Normative Aspects
- EN 50423-3:2005/AC:2009  
Overhead electrical lines exceeding AC 1 kV up to  
and including AC 45 kV – Part 3: Set of National  
Normative Aspects
- EN 50423-3:2005/AC:2005  
Overhead electrical lines exceeding AC 1 kV up to  
and including AC 45 kV – Part 3: Set of National  
Normative Aspects

## 29.260.20 Električni uređaji za eksplozivnu atmosferu

### Europska normizacija

- EN 60079-17:2007/AC:2008  
Explosive atmospheres – Part 17: Electrical  
installations inspection and maintenance  
(IEC 60079-17:2007)
- EN 60079-29-2:2007/AC:2007  
Explosive atmospheres – Part 29-2: Gas detectors  
– Selection, installation, use and maintenance of  
detectors for flammable gases and oxygen  
(IEC 60079-29-2:2007)

## 29.260.99 Druga električna oprema za rad u posebnim uvjetima

### Međunarodna normizacija (IEC)

- IEC 61892-2:2012  
Mobile and fixed offshore units – Electrical installations  
– Part 2: System design
- IEC 61892-3:2012  
Mobile and fixed offshore units – Electrical installations  
– Part 3: Equipment

## 29.280 Oprema za električnu vuču

### Europska normizacija

- EN 50121-1:2006/AC:2008  
Railway applications – Electromagnetic compatibility  
– Part 1: General
- EN 50121-2:2006/AC:2008  
Railway applications – Electromagnetic compatibility  
– Part 2: Emission of the whole railway system to the  
outside world

- EN 50121-5:2006/AC:2008  
Railway applications – Electromagnetic compatibility  
– Part 5: Emission and immunity of fixed power supply  
installations and apparatus
- EN 50124-1:2001/AC:2007  
Railway applications – Insulation coordination –  
Part 1: Basic requirements – Clearances and creepage  
distances for all electrical and electronic equipment
- EN 50124-2:2001/AC:2010  
Railway applications – Insulation coordination –  
Part 2: Overvoltages and related protection
- EN 50125-1:1999/AC:2010  
Railway applications – Environmental conditions for  
equipment – Part 1: Equipment on board rolling stock
- EN 50125-2:2002/AC:2010  
Railway applications – Environmental conditions for  
equipment – Part 2: Fixed electrical installations
- EN 50125-3:2003/AC:2010  
Railway applications – Environmental conditions for  
equipment – Part 3: Equipment for signalling and  
telecommunications
- EN 50126-1:1999/AC:2006  
Railway applications – The specification and  
demonstration of Reliability, Availability, Maintainability  
and Safety (RAMS) – Part 1: Basic requirements and  
generic process
- EN 50126-1:1999/AC:2010  
Railway applications – The specification and  
demonstration of Reliability, Availability, Maintainability  
and Safety (RAMS) – Part 1: Basic requirements and  
generic process
- EN 50149:2001/AC:2010  
Railway applications – Fixed installations – Electric  
traction – Copper and copper alloy grooved contact  
wires
- EN 50149:2001/AC:2005  
Railway applications – Fixed installations – Electric  
traction – Copper and copper alloy grooved contact  
wires
- EN 50151:2003/AC:2010  
Railway applications – Fixed installations – Electric  
traction – Special requirements for composite  
insulators
- EN 50163:2004/AC:2010  
Railway applications – Supply voltages of traction  
systems
- EN 50238:2003/AC:2010  
Railway applications – Compatibility between rolling  
stock and train detection systems
- EN 50328:2003/AC:2006  
Railway applications – Fixed installations – Electronic  
power converters for substations
- EN 50329:2003/AC:2006  
Railway applications – Fixed installations – Traction  
transformers
- EN 50367:2006/AC:2010  
Railway applications – Current collection systems  
– Technical criteria for the interaction between  
pantograph and overhead line (to achieve free access)
- EN 50388:2005/AC:2010  
Railway applications – Power supply and rolling  
stock – Technical criteria for the coordination between  
power supply (substation) and rolling stock to achieve  
interoperability

## 31.020 Elektroničke sastavnice općenito

### Međunarodna normizacija (IEC)

IEC 62474:2012

Material declaration for products of and for the electrotechnical industry

### Europska normizacija

EN 61360-4:2005/AC:2005

Standard data element types with associated classification scheme for electric components – Part 4: IEC reference collection of standard data element types and component classes (IEC 61360-4:2005)

EN 62137:2004/AC:2005

Environmental and endurance testing – Test methods for surface-mount boards of area array type packages FBGA, BGA, FLGA, LGA, SON and QFN (IEC 62137:2004)

## 31.040.01 Otpornici općenito

### Europska normizacija

EN 60062:2005/AC:2007

Marking codes for resistors and capacitors (IEC 60062:2004)

## 31.040.10 Nepromjenjivi otpornici

### Europska normizacija

EN 140101-806:2008/AC:2009

Detail Specification: Fixed low power film resistors – Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads

EN 140401-804:2011/AC:2012

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

## 31.060.01 Kondenzatori općenito

### Europska normizacija

EN 60062:2005/AC:2007

Marking codes for resistors and capacitors (IEC 60062:2004)

## 31.060.30 Papirni i plastični kondenzatori

### Europska normizacija

EN 60384-3-1:2006/AC:2009

Fixed capacitors for use in electronic equipment – Part 3-1: Blank detail specification: Surface mount fixed tantalum electrolytic capacitors with manganese dioxide solid electrolyte – Assessment level EZ (IEC 60384-3-1:2006)

EN 60384-13:2006/AC:2006

Fixed capacitors for use in electronic equipment – Part 13: Sectional specification – Fixed polypropylene film dielectric metal foil d.c. capacitors (IEC 60384-13:2006)

EN 60384-13-1:2006/AC:2009

Fixed capacitors for use in electronic equipment – Part 13-1: Blank detail specification – Fixed polypropylene film dielectric metal foil d.c. capacitors – Assessment levels E and EZ (IEC 60384-13-1:2006)

EN 60384-19:2006/AC:2006

Fixed capacitors for use in electronic equipment – Part 19: Sectional specification – Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors (IEC 60384-19:2006)

EN 60384-19-1:2006/AC:2006

Fixed capacitors for use in electronic equipment – Part 19-1: Blank detail specification – Fixed metallized polyethylene-terephthalate film dielectric surface mount d.c. capacitors – Assessment level EZ (IEC 60384-19-1:2006)

## 31.060.40 Tantalni elektrolitni kondenzatori

### Europska normizacija

EN 60384-3-1:2006/AC:2009

Fixed capacitors for use in electronic equipment – Part 3-1: Blank detail specification: Surface mount fixed tantalum electrolytic capacitors with manganese dioxide solid electrolyte – Assessment level EZ (IEC 60384-3-1:2006)

## 31.060.50 Aluminijski elektrolitni kondenzatori

### Europska normizacija

EN 60384-4-1:2007/AC:2009

Fixed capacitors for use in electronic equipment – Part 4-1: Blank detail specification – Fixed aluminium electrolytic capacitors with non-solid electrolyte – Assessment level EZ (IEC 60384-4-1:2007)

EN 60384-4-2:2007/AC:2009

Fixed capacitors for use in electronic equipment – Part 4-2: Blank detail specification – Fixed aluminium electrolytic capacitors with solid (MnO<sub>2</sub>) electrolyte – Assessment level EZ (IEC 60384-4-1:2007)

## 31.080.01 Poluvodički uređaji općenito

### Međunarodna normizacija (IEC)

IEC 62047-5:2011/Corr.1:2012

Semiconductor devices – Micro-electromechanical devices – Part 5: RF MEMS switches

IEC 62047-9:2011/Corr.1:2012

Semiconductor devices – Micro-electromechanical devices – Part 9: Wafer to wafer bonding strength measurement for MEMS

IEC 62047-10:2011/Corr.1:2012

Semiconductor devices – Micro-electromechanical devices – Part 10: Micro-pillar compression test for MEMS materials

IEC 62047-13:2012

Semiconductor devices – Micro-electromechanical devices – Part 13: Bend- and shear-type test methods of measuring adhesive strength for MEMS structures

IEC 62047-14:2012

Semiconductor devices – Micro-electromechanical devices – Part 14: Forming limit measuring method of metallic film materials

### Europska normizacija

EN 60749-19:2003/AC:2003

Semiconductor devices – Mechanical and climatic test methods – Part 19: Die shear strength (IEC 60749-19:2003)

EN 60749-32:2003/AC:2003  
Semiconductor devices – Mechanical and climatic test methods – Part 32: Flammability of plastic-encapsulated devices (externally induced) (IEC 60749-32:2002)

### 31.120 Elektronički pokazni uređaji

#### Europska normizacija

EN 62595-1-2:2012  
LCD backlight unit – Part 1-2: Terminology and letter symbols (IEC 62595-1-2:2011)

EN 61988-2-1:2012  
Plasma display panels – Part 2-1: Measuring methods – Optical and optoelectrical (IEC 61988-2-1:2012)

### 31.140 Piezoelektrični i dielektrični uređaji

#### Europska normizacija

EN 60368-1:2000/AC:2001  
Piezoelectric filters of assessed quality – Part 1: Generic specification (IEC 60368-1:2000)

EN 60368-4-1:2000/AC:2001  
Piezoelectric filters of assessed quality – Part 4-1: Blank detail specification – Capability approval (IEC 60368-4-1:2000)

EN 61338-1-4:2006/AC:2006  
Waveguide type dielectric resonators – Part 1-4: General information and test conditions – Measurement method of complex relative permittivity for dielectric resonator materials at millimetre-wave frequency (IEC 61338-1-4:2005)

### 31.160 Električni filtri

#### Europska normizacija

EN 60368-1:2000/AC:2001  
Piezoelectric filters of assessed quality – Part 1: Generic specification (IEC 60368-1:2000)

EN 60368-4-1:2000/AC:2001  
Piezoelectric filters of assessed quality – Part 4-1: Blank detail specification – Capability approval (IEC 60368-4-1:2000)

### 31.180 Tiskani krugovi i pločice

#### Europska normizacija

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

EN 61249-2-6:2003/AC:2005  
Materials for printed boards and other interconnecting structures – Part 2-6: Reinforced base materials, clad and unclad – Brominated epoxide non-woven / woven E-glass reinforced laminated sheets of defined flammability (vertical burning test), copper-clad (IEC 61249-2-6:2003)

EN 61249-2-7:2002/AC:2005  
Materials for printed boards and other interconnecting structures – Part 2-7: Reinforced base materials, clad and unclad – Epoxide woven E-glass laminated sheet of defined flammability (vertical burning test), copper-clad (IEC 61249-2-7:2003)

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

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

### 31.200 Integrirani krugovi. Mikroelektronika

#### Europska normizacija

EN 61967-4:2002/A1:2006/AC:2006  
Integrated circuits – Measurement of electromagnetic emissions, 150 kHz to 1 GHz – Part 4: Measurement of conducted emissions – 1 ohm/150 ohm direct coupling method (IEC 61967-4:2002/A1:2006)

EN 62132-1:2006/AC:2006  
Integrated circuits – Measurement of electromagnetic immunity, 150 kHz to 1 GHz – Part 1: General conditions and definitions

### 31.220.01 Elektromehaničke sastavnice općenito

#### Međunarodna normizacija (IEC)

IEC 62047-5:2011/Corr.1:2012  
Semiconductor devices – Micro-electromechanical devices – Part 5: RF MEMS switches

IEC 62047-9:2011/Corr.1:2012  
Semiconductor devices – Micro-electromechanical devices – Part 9: Wafer to wafer bonding strength measurement for MEMS

IEC 62047-10:2011/Corr.1:2012  
Semiconductor devices – Micro-electromechanical devices – Part 10: Micro-pillar compression test for MEMS materials; Corrigendum 1

IEC 62047-13:2012  
Semiconductor devices – Micro-electromechanical devices – Part 13: Bend – and shear – type test methods of measuring adhesive strength for MEMS structures

IEC 62047-14:2012  
Semiconductor devices – Micro-electromechanical devices – Part 14: Forming limit measuring method of metallic film materials

### 31.220.10 Utikački i utičnički uređaji. Konektori

#### Međunarodna normizacija (IEC)

IEC 60352-5:2012  
Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance

IEC 60512-1-100:2012  
Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications



IEC 60838-2-2:2006/am1:2012  
Miscellaneous lampholders – Part 2-2: Particular requirements – Connectors for LED-modules; Amendment 1

### **Europska normizacija**

- EN 50049-1:1997/AC:2000  
Domestic and similar electronic equipment interconnection requirements: Peritelevision connector
- EN 60512-12-2:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 12-2: Soldering tests – Test 12b: Solderability, wetting, soldering iron method (IEC 60512-12-2:2006)
- EN 60512-12-3:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 12-3: Soldering tests – Test 12c: Solderability, de-wetting (IEC 60512-12-3:2006)
- EN 60512-12-4:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 12-4: Soldering tests – Test 12d: Resistance to soldering heat, solder bath method (IEC 60512-12-4:2006)
- EN 60512-12-5:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 12-5: Soldering tests – Test 12e: Resistance to soldering heat, soldering iron method (IEC 60512-12-5:2006)
- EN 60512-13-1:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 13-1: Mechanical operation tests – Test 13a: Engaging and separating forces (IEC 60512-13-1:2006)
- EN 60512-13-2:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 13-2: Mechanical operation tests – Test 13b: Insertion and withdrawal forces (IEC 60512-13-2:2006)
- EN 60512-13-5:2006/AC:2006  
Connectors for electronic equipment – Tests and measurements – Part 13-5: Mechanical operation tests – Test 13e: Polarizing and keying method (IEC 60512-13-5:2006)
- EN 175101-809:2004/AC:2005  
Detail specification: Two-part connectors for printed boards having a grid of 2,54 mm, short version in compliance with CECC 75 101-801, with assessed quality

### **31.220.99 Druge elektromehaničke sastavnice**

#### **Europska normizacija**

- EN 129201:1994/A1:1995/AC:1997  
Blank Detail Specification: Wirewound inductors with ceramic or ferrite core – Assessment level E
- EN 129202:1994/A1:1995/AC:1997  
Blank Detail Specification: Wirewound inductors with ceramic or ferrite core – Assessment level P

### **31.240 Mehaničke konstrukcije za elektroničku opremu**

#### **Europska normizacija**

- EN 60297-3-107:2012  
Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482,6 mm (19 in) series – Part 3-107: Dimensions of subracks and plug-in units, small form factor (IEC 60297-3-107:2012)

EN 60915:2007/AC:2009  
Capacitors and resistors for use in electronic equipment – Preferred dimensions of shaft ends, bushes and for the mounting of single-hole, bush-mounted, shaft-operated electronic components (IEC 60915:2006+Corr:2008)

EN 61587-1:2012  
Mechanical structures for electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 1: Environmental requirements, test set-up and safety aspects for cabinets, racks, subracks and chassis under indoor conditions (IEC 61587-1:2011)

### **31.260 Optoelektronika. Laserska oprema**

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

IEC 62149-7:2012  
Fibre optic active components and devices – Performance standards – Part 7: 1 310-nm discrete vertical cavity surface emitting laser devices

#### **Europska normizacija**

EN 60825-1:2007/A2:2001/AC:2004  
Safety of laser products – Part 1: Equipment classification, requirements and user's guide (IEC 60825-1:1993/am2:2001)

### **33.040.01 Telekomunikacijski sustavi općenito**

#### **Europska normizacija**

- EN 300 132-3-0 V2.1.1:2012  
Environmental Engineering (EE) – Power supply interface at the input to telecommunications and datacom (ICT) equipment – Part 3: Operated by rectified current source, alternating current source or direct current source up to 400 V – Sub-part 0: Overview
- EN 300 132-3-1 V2.1.1:2012  
Environmental Engineering (EE) – Power supply interface at the input to telecommunications and datacom (ICT) equipment – Part 3: Operated by rectified current source, alternating current source or direct current source up to 400 V – Sub-part 1: Direct current source up to 400 V

### **33.040.30 Komutacijski i signalizacijski sustavi**

#### **Europska normizacija**

- EN 50065-2-1:2003/AC:2003  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-1: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in residential, commercial and light industrial environments
- EN 50065-2-2:2003/A1:2005/AC:2006  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-2: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in industrial environments

EN 50065-4-7:2005/AC:2006

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz – Part 4-7: Portable low voltage decoupling filters – Safety requirements

### 33.040.40 Mreže za prijenos podataka

#### Međunarodna normizacija (IEC)

IEC/TR 61850-7-510:2012

Communication networks and systems for power utility automation – Part 7-510: Basic communication structure – Hydroelectric power plants – Modelling concepts and guidelines

### 33.040.60 Telefonska oprema

#### Europska normizacija

EN 50065-2-3:2003/AC:2003

Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-3: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 3 kHz to 95 kHz and intended for use by electricity suppliers and distributors

### 33.060.40 Kabelski sustavi za razdiobu

#### Europska normizacija

EN 50083-10/AC:2006

Cable networks for television signals, sound signals and interactive services – Part 10: System performance for return paths

EN 50098-1:1998/A1:2002/AC:2003

Customer premises cabling for Information Technology – Part 1: ISDN basic access

### 33.070.01 Pokretne službe općenito

#### Europska normizacija

EN 50360:2001/AC:2006

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

Product standard to demonstrate the compliance of mobile phones with the basic restrictions related to human exposure to electromagnetic fields (300 MHz – 3 GHz)

### 33.070.20 Sustav za prijenos poruka

#### Europska normizacija

EN 300 392-12-13 V1.2.1:2012

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 13: Call Completion to Busy Subscriber (CCBS)

EN 300 392-12-14 V1.2.1:2012

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 14: Late Entry (LE)

### 33.070.30 Digitalne poboljšane bežične telekomunikacije (DECT)

#### Europska normizacija

EN 301 649 V2.2.1:2012

Digital Enhanced Cordless Telecommunications (DECT) – DECT Packet Radio Service (DPRS)

### 33.070.99 Druge pokretne službe

#### Europska normizacija

EN 302 774 V1.2.1:2012

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

### 33.080 Digitalna mreža integriranih službi (ISDN)

#### Europska normizacija

EN 50098-1:1998/A1:2002/AC:2003

Customer premises cabling for Information Technology – Part 1: ISDN basic access

### 33.100.01 Elektromagnetska spojivost općenito

#### Europska normizacija

EN 50121-1:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 1: General

EN 50121-3-1:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle

EN 50121-3-2:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

EN 50121-4:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

EN 50121-5:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus

EN 50360:2001/AC:2006

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

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 60204-31:1998/AC:2000

Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems (IEC 60204-31:1996, modified)

EN 61543:1995/AC:1997

Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility (IEC 61543:1995)

- EN 61543:1995/A11:2003/AC:2004  
Residual current-operated protective devices (RCDs) for household and similar use – Electromagnetic compatibility; Amendment 11
- EN 62040-2:2006/AC:2006  
Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62040-2:2005)

### 33.100.10 Zračenje

#### Međunarodna normizacija (IEC)

- IEC 61000-4-15:2010/Corr.1:2012  
Electromagnetic compatibility (EMC) – Part 4-15: Testing and measurement techniques – Flickermeter – Functional and design specifications

#### Europska normizacija

- EN 50065-2-2:2003/A1:2005/AC:2006  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-2: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in industrial environments
- EN 50121-2:2006/AC:2008  
Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world
- EN 302 288-1 V1.6.1:2012  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Road Transport and Traffic Telematics (RTTT) – Short range radar equipment operating in the 24 GHz range – Part 1: Technical requirements and methods of measurement
- EN 302 288-2 V1.6.1:2012  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Road Transport and Traffic Telematics (RTTT) – Short range radar equipment operating in the 24 GHz range – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

### 33.100.20 Neosjetljivost

#### Europska normizacija

- EN 50065-2-1:2003/AC:2003  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz – Part 2-1: Immunity requirements for mains communications equipment and systems operating in the range of frequencies 95 kHz to 148,5 kHz and intended for use in residential, commercial and light industrial environments
- EN 50065-4-7:2005/AC:2006  
Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz and 1,6 MHz to 30 MHz – Part 4-7: Portable low voltage decoupling filters – Safety requirements
- EN 50412-2-1:2005/AC:2009  
Power line communication apparatus and systems used in low-voltage installations in the frequency range 1,6 MHz to 30 MHz – Part 2-1: Residential, commercial and industrial environment – Immunity requirements
- EN 55014-2:1997/AC:1997  
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity – Product family standard (CISPR 14-2:1997)

- EN 61000-4-18:2007/AC:2007  
Electromagnetic compatibility (EMC) – Part 4-18: Testing and measurement techniques – Damped oscillatory wave immunity test (IEC 61000-4-18:2006)
- EN 61000-6-2:2005/AC:2005  
Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments (IEC 61000-6-2:2005)
- EN 62132-1:2006/AC:2006  
Integrated circuits – Measurement of electromagnetic immunity, 150 kHz to 1 GHz – Part 1: General conditions and definitions (IEC 62132-1:2006)

### 33.120.10 Suosni kabeli. Valovodi

#### Međunarodna normizacija (IEC)

- IEC 61196-8:2012  
Coaxial communication cables – Part 8: Sectional specification for semi-flexible cables with polytetrafluoroethylene (PTFE) dielectric
- IEC 61196-8-1:2012  
Coaxial communication cables – Part 8-1: Blank detail specification for semi-flexible cables with polytetrafluoroethylene (PTFE) dielectric

#### Europska normizacija

- EN 50290-2-21:2001/AC:2003  
Communication cables – Part 2-21: Common design rules and construction – PVC insulation compounds
- EN 50290-2-27:2002/A1:2007/AC:2010  
Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds
- EN 61338-1-4:2006/AC:2006  
Waveguide type dielectric resonators – Part 1-4: General information and test conditions – Measurement method of complex relative permittivity for dielectric resonator materials at millimetre-wave frequency (IEC 61338-1-4:2005)

### 33.120.30 RF konektori

#### Europska normizacija

- EN 122160:1993/AC:1996  
Sectional Specification: Radio frequency coaxial connectors – Series SSMA

### 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

#### Europska normizacija

- EN 60065:2002/AC:2007  
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2001, modified)

### 33.160.10 Pojačala

#### Europska normizacija

- EN 60268-3:2000/AC:2002  
Sound system equipment – Part 3: Amplifiers (IEC 60268-3:2000)

## 33.160.20 Radioprijamnici

### Europska normizacija

EN 50248:2001/AC:2007  
Characteristics of DAB receivers

## 33.160.40 Videosustavi

### Europska normizacija

EN 60856:1993/A1:1993/AC:1993  
Pre-recorded optical reflective videodisk system "Laser vision" 50 Hz/625 lines – PAL  
(IEC 60856:1986/am1:1991)

## 33.170 Televizijski i radijski prijenos

### Europska normizacija

CLC/R206-001:1998/AC:2000  
Guidelines for implementation and use of the common interface for DVB decoder applications  
EN 50221:1997/AC:2000  
Common interface specification for conditional access and other digital video broadcasting decoder applications

## 33.180.01 Svjetlovodni sustavi općenito

### Europska normizacija

EN 61280-2-3:2009/AC:2010  
Fibre optic communication subsystem test procedures – Part 2-3: Digital systems – Jitter and wander measurements (IEC 61280-2-3:2009)

## 33.180.10 Svjetlovodna vlakna i kabeli

### Europska normizacija

EN 60793-1-45:2003/AC:2004  
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter  
(IEC 60793-1-45:2001+Corr:2002, modified)  
EN 60794-3-10:2009/AC:2009  
Optical fibre cables – Part 3-10: Outdoor cables – Family specification for duct, directly buried and lashed aerial optical telecommunication cables  
(IEC 60794-3-10:2009)

## 33.180.20 Svjetlovodni vezni uređaji

### Međunarodna normizacija (IEC)

IEC 61300-3-33:2012  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-33: Examinations and measurements – Withdrawal force from a resilient alignment sleeve using gauge pins  
IEC 61753-087-6:2012  
Fibre optic interconnecting devices and passive components – Performance standard – Part 087-6: Non-connectorised single-mode bidirectional 1 310 nm upstream and 1 490 nm downstream WWDM devices for category O – Uncontrolled environment  
IEC 61755-3-6:2006/am1:2012  
Amendment 1 – Fibre optic connector optical interfaces – Part 3-6: Optical interface – 2,5 mm and 1,25 mm diameter cylindrical 8 degrees angled-PC composite ferrule using Cu-Ni-alloy as fibre surrounding material, single mode fibre

IEC 61300-3-28:2012  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-28: Examinations and measurements – Transient loss  
IEC 61755-3-6 Edition 1.1:2012  
Fibre optic connector optical interfaces – Part 3-6: Optical interface – 2,5 mm and 1,25 mm diameter cylindrical 8 degrees angled-PC composite ferrule using Cu-Ni-alloy as fibre surrounding material, single mode fibre

### Europska normizacija

EN 50377-2-1:2001/AC:2002  
Connector sets and interconnect components to be used in optical fibre communication systems – Product specifications – Part 2-1: Type FC-PC terminated on IEC 60793-2 category B1 singlemode fibre  
EN 61300-2-2:2009/AC:2009  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-2: Tests – Mating durability (IEC 61300-2-2:2009)  
EN 61300-2-14:2006/AC:2006  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-14: Tests – Optical power handling and damage threshold characterization (IEC 61300-2-14:2005)  
EN 61300-3-20:2001/AC:2002  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-20: Examinations and measurements – Directivity of fibre optic branching devices (IEC 61300-3-20:2001)  
EN 61300-3-29:2006/AC:2006  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-29: Examinations and measurements – Measurement techniques for characterizing the amplitude of the spectral transfer function of DWDM components (IEC 61300-3-29:2006)  
EN 61753-092-6:2007/AC:2008  
Fibre optic interconnecting devices and passive components performance standard – Part 092-6: Non-connectorised single-mode circulators for category O – Uncontrolled environment and sequential test (IEC 61753-092-6:2007)  
EN 61754-18:2002/AC:2002  
Fibre optic connector interfaces – Part 18: Type MT-RJ connector family (IEC 61754-18:2001)  
EN 61755-1:2006/AC:2006  
Fibre optic connector optical interfaces – Part 1: Optical interfaces for single mode non-dispersion shifted fibres – General and guidance (IEC 61755-1:2005)

## 33.180.30 Optička pojačala

### Međunarodna normizacija (IEC)

IEC 61291-1:2012  
Optical amplifiers – Part 1: Generic specification  
IEC 62149-7:2012  
Fibre optic active components and devices – Performance standards – Part 7: 1 310-nm discrete vertical cavity surface emitting laser devices

### Europska normizacija

EN 61291-2:2012  
Optical amplifiers – Part 2: Digital applications – Performance specification template (IEC 61291-2:2012)



## 33.180.99 Druga svjetlovodna oprema

### Europska normizacija

EN 62129:2006/AC:2006  
Calibration of optical spectrum analyzers  
(IEC 62129:2006)

## 35.020 Informacijska tehnika (IT) općenito

### Međunarodna normizacija (ISO)

ISO/IEC 20000-2:2012  
Information technology – Service management –  
Part 2: Guidance on the application of service  
management systems

### Europska normizacija

EN 60950-22:2006/AC:2008  
Information technology equipment – Safety – Part 22:  
Equipment installed outdoors (IEC 60950-22:2005,  
modified)  
EN 60950-22:2006/A11:2008/AC:2009  
Information technology equipment – Safety – Part 22:  
Equipment installed outdoors  
EN 60950-23:2006/AC:2008  
Information technology equipment – Safety – Part 23:  
Large data storage equipment (IEC 60950-23:2005)

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

ISO/IEC 9798-2:2008/Cor 2:2012  
Information technology – Security techniques – Entity  
authentication – Part 2: Mechanisms using symmetric  
encipherment algorithms; Technical Corrigendum 2  
ISO/IEC 9798-3:1998/Cor 2:2012  
Information technology – Security techniques – Entity  
authentication – Part 3: Mechanisms using digital  
signature techniques; Technical Corrigendum 2  
ISO/IEC 13818-1:2007/Amd 5:2011  
Information technology – Generic coding of moving  
pictures and associated audio information: Systems –  
Amendment 5: Transport of JPEG 2000 Part 1  
(ITU-T Rec T.800 | ISO/IEC 15444-1) video over ITU-T  
Rec H.222.0 | ISO/IEC 13818-1  
ISO/IEC 13818-1:2007/Amd 6:2011  
Information technology – Generic coding of moving  
pictures and associated audio information: Systems  
– Amendment 6: Extension to AVC video descriptor  
and signalling of operation points for MVC  
ISO/IEC 21000-2:2005/Amd 1:2012  
Information technology – Multimedia framework  
(MPEG-21) – Part 2: Digital Item Declaration –  
Presentation of digital item; Amendment 1  
ISO/IEC 21000-4:2006/Cor 1:2012  
Information technology – Multimedia framework  
(MPEG-21) – Part 4: Intellectual Property Management  
and Protection Components; Technical Corrigendum 1  
ISO/IEC 23000-9:2008/Amd 1:2010/Cor 2:2012  
Information technology – Multimedia application format  
(MPEG-A) – Part 9: Digital Multimedia Broadcasting  
application format – Amendment 1: Conformance and  
reference software; Technical Corrigendum 2  
ISO/IEC 23001-7:2012  
Information technology – MPEG systems technologies  
– Part 7: Common encryption in ISO base media file  
format files

ISO/IEC TR 29149:2012  
Information technology – Security techniques – Best  
practices for the provision and use of time-stamping  
services  
ISO/IEC 29199-2:2012  
Information technology – JPEG XR image coding  
system – Part 2: Image coding specification  
ISO/IEC 29199-5:2012  
Information technology – JPEG XR image coding  
system – Part 5: Reference software

## 35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici

### Međunarodna normizacija (ISO)

ISO/IEC 13211-1:1995/Cor 2:2012  
Information technology – Programming languages  
– Prolog – Part 1: General core; Technical  
Corrigendum 2  
ISO/IEC 23271:2012  
Information technology – Common Language  
Infrastructure (CLI)

### Međunarodna normizacija (IEC)

IEC/TR 61804-6:2012  
Function blocks (FB) for process control – Electronic  
device description language (EDDL) – Part 6: Meeting  
the requirements for integrating fieldbus devices in  
engineering tools for field devices

## 35.080 Razvoj računalne podrške i dokumentacijski sustav

### Međunarodna normizacija (ISO)

ISO/IEC 15504-5:2012  
Information technology – Process assessment –  
Part 5: An exemplar software life cycle process  
assessment model

## 35.100.70 Sloj primjene

### Međunarodna normizacija (IEC)

IEC/PAS 62734:2012  
Industrial communication networks – Fieldbus  
specifications – Wireless systems for industrial  
automation: process control and related applications

## 35.110 Umreživanje

### Međunarodna normizacija (IEC)

IEC 62439-4:2010/am1:2012  
Amendment 1 – Industrial communication networks  
– High availability automation networks – Part 4:  
Cross-network Redundancy Protocol (CRP)

## 35.160 Mikroprocesorski sustavi

### Međunarodna normizacija (IEC)

IEC/PAS 62734:2012  
Industrial communication networks – Fieldbus  
specifications – Wireless systems for industrial  
automation: process control and related applications

### Europska normizacija

EN 60821:1994/AC:1994  
IEC 60821 VMEbus – Microprocessor system bus  
for 1 byte to 4 byte data (IEC 60821:1991, modified)

## 35.180 Terminalna i druga vanjska oprema

### Međunarodna normizacija (ISO)

ISO/IEC 28360:2012  
Information technology – Office equipment –  
Determination of chemical emission rates from  
electronic equipment

## 35.200 Sučelna i vezna oprema

### Međunarodna normizacija (ISO)

ISO/IEC 14908-2:2012  
Information technology – Control network protocol –  
Part 2: Twisted pair communication

ISO/IEC 14908-3:2012  
Information technology – Control network protocol –  
Part 3: Power line channel specification

ISO/IEC 14908-4:2012  
Information technology – Control network protocol –  
Part 4: IP communication

ISO/IEC 14543-3-10:2012  
Information technology – Home electronic system  
(HES) architecture – Part 3-10: Wireless short-packet  
(WSP) protocol optimised for energy harvesting –  
Architecture and lower layer protocols

ISO/IEC 14543-5-3:2012  
Information technology – Home electronic system  
(HES) architecture – Part 5-3: Intelligent grouping  
and resource sharing for HES Class 2 and Class 3 –  
Basic application

ISO/IEC 14543-5-5:2012  
Information technology – Home electronic system  
(HES) architecture – Part 5-5: Intelligent grouping  
and resource sharing for HES Class 2 and Class 3 –  
Device type

ISO/IEC 14543-5-6:2012  
Information technology – Home electronic system  
(HES) architecture – Part 5-6: Intelligent grouping  
and resource sharing for HES Class 2 and Class 3 –  
Service type

ISO/IEC 14543-5-21:2012  
Information technology – Home electronic system  
(HES) architecture – Part 5-21: Intelligent grouping  
and resource sharing for HES Class 2 and Class 3 –  
Application profile – AV profile

ISO/IEC 14763-2:2012  
Information technology – Implementation and  
operation of customer premises cabling – Part 2:  
Planning and installation

## 35.240.15 Identifikacijske kartice i srodni uređaji

### Međunarodna normizacija (ISO)

ISO/IEC 14443-2:2010/Amd 3:2012  
Identification cards – Contactless integrated circuit  
cards – Proximity cards – Part 2: Radio frequency  
power and signal interface – Amendment 3: Bits rates  
of  $f_c/8$ ,  $f_c/4$  and  $f_c/2$

ISO/IEC 14443-4:2008/Amd 1:2012  
Identification cards – Contactless integrated circuit  
cards – Proximity cards – Part 4: Transmission  
protocol – Amendment 1: Exchange of additional  
parameters

ISO/IEC 19795-6:2012  
Information technology – Biometric performance  
testing and reporting – Part 6: Testing methodologies  
for operational evaluation

## 35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

### Međunarodna normizacija (ISO)

ISO 16684-1:2012  
Graphic technology – Extensible metadata platform  
(XMP) specification – Part 1: Data model, serialization  
and core properties

ISO/IEC 26300:2006/Amd 1:2012  
Information technology – Open Document Format  
for Office Applications (OpenDocument) v1.0 –  
Amendment 1: Open Document Format for Office  
Applications (OpenDocument) v1.1

## 35.240.40 Primjene IT-a u bankarstvu

### Međunarodna normizacija (ISO)

ISO 11568-2:2012  
Financial services – Key management (retail) –  
Part 2: Symmetric ciphers, their key management  
and life cycle

ISO 16609:2012  
Financial services – Requirements for message  
authentication using symmetric techniques

## 35.240.50 Primjene IT-a u industriji

### Međunarodna normizacija (IEC)

IEC 62337:2012  
Commissioning of electrical, instrumentation and  
control systems in the process industry – Specific  
phases and milestones

IEC 62381:2012  
Automation systems in the process industry – Factory  
acceptance test (FAT), site acceptance test (SAT), and  
site integration test (SIT)

IEC/TR 61804-6:2012  
Function blocks (FB) for process control – Electronic  
device description language (EDDL) – Part 6: Meeting  
the requirements for integrating fieldbus devices in  
engineering tools for field devices

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Međunarodna normizacija (ISO)

ISO 12855:2012  
Electronic fee collection – Information exchange  
between service provision and toll charging

ISO/IEC/IEEE 21451-7:2011  
Information technology – Smart transducer interface  
for sensors and actuators – Part 7: Transducer  
to radio frequency identification (RFID) systems  
communication protocols and Transducer Electronic  
Data Sheet (TEDS) formats

ISO 21216:2012  
Intelligent transport systems – Communication access  
for land mobiles (CALM) – Millimetre wave air interface

ISO/IEC 29167-1:2012

Information technology – Automatic identification and data capture techniques – Part 1: Air interface for security services and file management for RFID architecture

### Europska normizacija

CWA 16408:2012

Testing Framework for Global eBusiness Interoperability Test Beds (GITB)

EN ISO 12855:2012

Electronic fee collection – Information exchange between service provision and toll charging (ISO 12855:2012)

## 35.240.70 Primjene IT-a u znanosti

### Međunarodna normizacija (ISO)

ISO 19148:2012

Geographic information – Linear referencing

### Europska normizacija

EN ISO 19148:2012

Geographic information – Linear referencing (ISO 19148:2012)

## 35.240.80 Primjene IT-a u tehnici zaštite zdravlja

### Međunarodna normizacija (ISO)

ISO/TR 14292:2012

Health informatics – Personal health records – Definition, scope and context

### Međunarodna normizacija (IEC)

IEC 60601-2-33:2010/Corr.1:2012

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

### Europska normizacija

EN 60601-2-33:2010/AC:2010

Medical electrical equipment – Part 2-33: Particular requirements for the basic safety and essential performance of magnetic resonance equipment for medical diagnosis (IEC 60601-2-33:2010)

## 35.240.99 Primjene IT-a u drugim područjima

### Međunarodna normizacija (ISO)

ISO 11783-2:2012

Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 2: Physical layer

ISO 11783-9:2012

Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 9: Tractor ECU

ISO 13374-3:2012

Condition monitoring and diagnostics of machines – Data processing, communication and presentation – Part 3: Communication

ISO/IEC 14543-3-10:2012

Information technology – Home Electronic Systems (HES) – Part 3-10: Wireless Short-Packet (WSP) protocol optimized for energy harvesting – Architecture and lower layer protocols

ISO/IEC 14543-5-3:2012

Information technology – Home electronic system (HES) architecture – Part 5-3: Intelligent grouping and resource sharing for HES Class 2 and Class 3 – Basic application

ISO/IEC 14543-5-5:2012

Information technology – Home electronic system (HES) architecture – Part 5-5: Intelligent grouping and resource sharing for HES Class 2 and Class 3 – Device type

ISO/IEC 14543-5-6:2012

Information technology – Home electronic system (HES) architecture – Part 5-6: Intelligent grouping and resource sharing for HES Class 2 and Class 3 – Service type

ISO/IEC 14543-5-21:2012

Information technology – Home electronic system (HES) architecture – Part 5-21: Intelligent grouping and resource sharing for HES Class 2 and Class 3 – Application profile – AV profile

ISO/IEC 14908-2:2012

Information technology – Control network protocol – Part 2: Twisted pair communication

ISO/IEC 14908-3:2012

Information technology – Control network protocol – Part 3: Power line channel specification

ISO/IEC 14908-4:2012

Information technology – Control network protocol – Part 4: IP communication

## 35.260 Uredski strojevi

### Europska normizacija

EN 60950-22:2006/AC:2008

Information technology equipment – Safety – Part 22: Equipment installed outdoors (IEC 60950-22:2005, modified)

EN 60950-22:2006/A11:2008/AC:2009

Information technology equipment – Safety – Part 22: Equipment installed outdoors

EN 60950-23:2006/AC:2008

Information technology equipment – Safety – Part 23: Large data storage equipment (IEC 60950-23:2005)

## 37.020 Optička oprema

### Međunarodna normizacija (ISO)

ISO 25297-1:2012

Optics and photonics – Electronic exchange of optical data – Part 1: NODIF information model

## 37.040.10 Fotografaska oprema. Projektori

### Međunarodna normizacija (ISO)

ISO 12231:2012

Photography – Electronic still picture imaging – Vocabulary

## 37.080 Primjene u preslikavanju dokumenata

### Međunarodna normizacija (ISO)

ISO 14641-1:2012

Electronic archiving – Part 1: Specifications concerning the design and the operation of an information system for electronic information preservation

### **37.100.01 Grafička tehnika općenito**

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

ISO 12647-8:2012

Graphic technology – Process control for the production of half-tone colour separations, proof and production prints – Part 8: Validation print processes working directly from digital data

### **37.100.99 Druge norme koje se odnose na grafičku tehniku**

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

ISO 16684-1:2012

Graphic technology – Extensible metadata platform (XMP) specification – Part 1: Data model, serialization and core properties

### **39.040.01 Urarstvo općenito**

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

ISO 10552:2012

Timekeeping instruments – Crowns and sealed tubes – Designs and dimensions

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

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

ISO 11446-1:2012

Road vehicles – Connectors for the electrical connection of towing and towed vehicles – Part 1: 13-pole connectors for vehicles with 12 V nominal supply voltage not intended to cross water fords

#### **Europska normizacija**

EN 50436-1:2005/AC:2009

Alcohol interlocks – Test methods and performance requirements – Part 1: Instruments for drink-driving-offender programs

EN 50436-2:2007/AC:2009

Alcohol interlocks – Test methods and performance requirements – Part 2: Instruments having a mouthpiece and measuring breath alcohol for general preventive use

### **43.040.20 Uređaji za osvjtljavanje, signalizaciju i upozoravanje**

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

ISO 13207-1:2012

Road vehicles – LED lamp characteristics for bulb compatible failure detection – Part 1: LED lamps used as direction indicators

### **43.040.30 Pokazni i upravljački uređaji**

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

ISO 13207-1:2012

Road vehicles – LED lamp characteristics for bulb compatible failure detection – Part 1: LED lamps used as direction indicators

### **43.040.50 Prijenosi, ovjesi**

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

ISO 10597:2012

Road vehicles – Flat attachment fixing nuts for commercial vehicles – Test methods

### **43.060.10 Blok motora i unutrašnje sastavnice**

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

ISO 12046:2012

Synchronous belt drives – Automotive belts – Determination of physical properties

### **43.100 Osobna vozila. Stambene prikolice i lake prikolice**

#### **Europska normizacija**

HD 60364-7-721:2009/AC:2010

Low-voltage electrical installations – Part 7-721: Requirements for special installations or locations – Electrical installations in caravans and motor caravans (IEC 60364-7-721:2007, modified)

### **45.020 Željeznička tehnika općenito**

#### **Europska normizacija**

EN 50121-1:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 1: General

EN 50121-2:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world

EN 50121-4:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

EN 50126-1:1999/AC:2006

Railway applications – The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) – Part 1: Basic requirements and generic process

EN 50126-1:1999/AC:2010

Railway applications – The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) – Part 1: Basic requirements and generic process

### **45.060.01 Željeznička tračna vozila. Općenito**

#### **Europska normizacija**

EN 13272:2012

Railway applications – Electrical lighting for rolling stock in public transport systems

EN 50121-3-1:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle

EN 50121-3-2:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

EN 50155:2007/AC:2010

Railway applications – Electronic equipment used on rolling stock



- EN 50388:2005/AC:2010  
Railway applications – Power supply and rolling stock – Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability
- EN 61377-1:2006/AC:2006  
Railway applications – Rolling stock – Part 1: Combined testing of inverter-fed alternating current motors and their control system (IEC 61377-1:2006)

## 45.060.10 Željeznička tračna vučna vozila

### Europska normizacija

- EN 50125-1:1999/AC:2010  
Railway applications – Environmental conditions for equipment – Part 1: Equipment on board rolling stock
- EN 50238:2003/AC:2010  
Railway applications – Compatibility between rolling stock and train detection systems
- EN 50367:2006/AC:2010  
Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access)

## 47.020.60 Električna oprema brodova i pomorskih konstrukcija

### Međunarodna normizacija (IEC)

- IEC 61892-2:2012  
Mobile and fixed offshore units – Electrical installations – Part 2: System design
- IEC 61892-3:2012  
Mobile and fixed offshore units – Electrical installations – Part 3: Equipment

## 49.025.10 Čelici

### Europska normizacija

- EN 2213:2012  
Aerospace series – Steel FE-PL1505 (15CrMoV6) – Air melted – Hardened and tempered – Bars –  $D_e = 16 \text{ mm}$  –  $980 \text{ MPa} = R_m = 1\ 180 \text{ MPa}$

## 49.025.30 Titan

### Europska normizacija

- EN 3312:2012  
Aerospace series – Titanium alloy Ti-6Al-4V – Annealed – Forgings  $D_e = 150 \text{ mm}$

## 49.025.40 Guma i plastika

### Europska normizacija

- EN 2835:2012  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 40 IRHD
- EN 2836:2012  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 50 IRHD
- EN 2837:2012  
Aerospace series – Chloroprene rubber (CR) – Heat resistance – Hardness 60 IRHD

## 49.030.20 Klinovi, vijci, podloške

### Europska normizacija

- EN 3706:2012  
Aerospace series – Headless threaded plugs, cross recess, in aluminium alloy 5086
- EN 3707:2012  
Aerospace series – Headless threaded plugs – Installation holes

## 49.030.50 Podložne pločice i drugi sigurnosni elementi

### Europska normizacija

- EN 3382:2012  
Aerospace series – Rings retaining, internal, axial mounting, steel, phosphated
- EN 3383:2012  
Aerospace series – Rings retaining, internal, axial mounting, steel, vacuum cadmium plated
- EN 3384:2012  
Aerospace series – Rings retaining, external, axial mounting, steel, phosphated
- EN 3385:2012  
Aerospace series – Rings retaining, external, axial mounting, steel, vacuum cadmium plated
- EN 3386:2012  
Aerospace series – Rings retaining, radial mounting, steel, phosphated

## 49.030.60 Zakovice

### Europska normizacija

- EN 3718:2012  
Aerospace series – Test method for metallic materials – Ultrasonic inspection of tubes

## 49.030.99 Druge vrste pričvršćivača

### Europska normizacija

- EN 2311:2012  
Aerospace series – Bushes with self-lubricating liner – Technical specification
- EN 3278:2012  
Aerospace series – Sleeves, tubular, protruding head, in corrosion resisting steel, passivated (0,25 mm wall thickness)

## 49.035 Sastavnice za zrakoplovne konstrukcije

### Europska normizacija

- EN 3182:2012  
Aerospace series – Ball bearings, rigid in corrosion resisting steel cadmium plated, for control cable pulleys – Dimensions and loads

## 49.040 Premazivanje i srodni procesi koji se upotrebljavaju u zrakoplovnoj industriji

### Europska normizacija

- EN 4687:2012  
Aerospace series – Paints and varnishes – Chromate free non corrosion inhibiting two components cold curing primer for military application
- EN 4688:2012  
Aerospace series – Paints and varnishes – Corrosion inhibiting two components cold curing primer for military application
- EN 4689:2012  
Aerospace series – Paints and varnishes – Two components cold curing polyurethane finish – High flexibility and chemical agent resistance for military application
- EN 4704:2012  
Aerospace series – Tartaric-Sulphuric-Acid anodizing of aluminium and aluminium wrought alloys for corrosion protection and paint pre-treatment (TSA)

## 49.060 Zrakoplovna električna oprema i sustavi

### Europska normizacija

- EN 2234:2012  
Aerospace series – Cable, electrical, fire resistant – Technical specification
- EN 3155-035:2012  
Aerospace series – Electrical contacts used in elements of connection – Part 035: Contacts, electrical, triaxial, size 08, female, type D, crimp, class R – Product standard
- EN 3373-007:2012  
Aerospace series – Terminal lugs and in-line splices for crimping on electric conductors – Part 007: Nickel plated aluminium terminal lugs for crimping on nickel plated aluminium cable for inch series studs – Product standard
- EN 3373-008:2012  
Aerospace series – Terminal lugs and in-line splices for crimping on electric conductors – Part 008: Copper lugs nickel plated ring shaped for copper conductors nickel plated for inch series studs up to 340 °C – Product standard
- EN 6049-006:2012  
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 006: Self-wrapping protective sleeve, flexible post installation – Product standard
- EN 6049-007:2012  
Aerospace series – Electrical cables, installation – Protection sleeve in meta-aramid fibres – Part 007: Self-wrapping protective sleeve, flexible post installation operating temperature from – 55 °C to 260 °C – Product standard

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Međunarodna normizacija (ISO)

- ISO 10502:2012  
Aerospace – Hose assemblies in polytetrafluoroethylene (PTFE) for use up to 232 °C and 10 500 kPa – Technical specifications and requirements

## 49.140 Svemirski sustavi i radnje

### Međunarodna normizacija (ISO)

- ISO 11892:2012  
Space systems – Subsystems/units to spacecraft interface control document
- ISO 15388:2012  
Space systems – Contamination and cleanliness control
- ISO 16363:2012  
Space data and information transfer systems – Audit and certification of trustworthy digital repositories

## 53.020.20 Dizalice

### Međunarodna normizacija (ISO)

- ISO 11660-4:2012  
Cranes – Access, guards and restraints – Part 4: Jib cranes

### Europska normizacija

- EN 14985:2012  
Cranes – Slewing jib cranes
- EN 13001-2:2011/AC:2012  
Crane safety – General design – Part 2: Load actions

## 53.020.99 Druga oprema za dizanje

### Europska normizacija

- EN 61057:1993/AC:2005  
Aerial devices with insulating boom used for live working exceeding 1 kV a.c. (IEC 61057:1991, modified)

## 53.060 Industrijski kamioni

### Međunarodna normizacija (ISO)

- ISO 22915-13:2012  
Industrial trucks – Verification of stability – Part 13: Rough-terrain trucks with mast

### Europska normizacija

- EN 1459:1998+A3:2012  
Safety of industrial trucks – Self-propelled variable reach trucks

## 55.060 Cijevke. Svitci

### Europska normizacija

- EN 60264-4-2:1994/A1:2004/AC:2005  
Packaging of winding wires – Part 4-2: Methods of test – Containers made from thermoplastic material for taper barrelled delivery spools (IEC 60264-4-2:1992/A1:2003)

## 59.080.01 Tekstili općenito

### Europska normizacija

- EN ISO 3175-3:2003/AC:2012  
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents – Technical Corrigendum 1 (ISO 3175-3:2003/Cor 1:2009)

EN ISO 3175-4:2003/AC:2012

Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning – Technical Corrigendum 1 (ISO 3175-4:2003/Cor 1:2009)

## 59.080.60 Tekstilni podni pokrivači

### Međunarodna normizacija (ISO)

ISO 10361:2012

Textile floor coverings – Production of changes in appearance by means of Vettermann drum and hexapod tumbler tester

## 59.140.30 Koža i krzno

### Međunarodna normizacija (ISO)

ISO 2419:2012

Leather – Physical and mechanical tests – Sample preparation and conditioning

ISO 17076-1:2012

Leather – Determination of abrasion resistance – Part 1: Taber method

ISO 26082-1:2012

Leather – Physical and mechanical test methods for the determination of soiling – Part 1: Rubbing (Martindale) method

### Europska normizacija

EN ISO 2419:2012

Leather – Physical and mechanical tests – Sample preparation and conditioning (ISO 2419:2012)

EN ISO 14088:2012

Leather – Chemical tests – Quantitative analysis of tanning agents by filter method (ISO 14088:2012)

EN ISO 17076-1:2012

Leather – Determination of abrasion resistance – Part 1: Taber method (ISO 17076-1:2012)

EN ISO 26082-1:2012

Leather – Physical and mechanical test methods for the determination of soiling – Part 1: Rubbing (Martindale) method (ISO 26082-1:2012)

## 61.080 Šivaći strojevi i druga oprema za odjevnu industriju

### Europska normizacija

EN 60204-31:1998/AC:2000

Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems (IEC 60204-31:1996, modified)

## 65.040.01 Gospodarske zgrade i instalacije općenito

### Europska normizacija

HD 60364-7-705:2007/AC:2008

Low-voltage electrical installations – Part 7-705: Requirements for special installations or locations – Agricultural and horticultural premises (IEC 60364-7-705:2006, modified)

## 65.040.10 Nastambe, instalacije i oprema za stoku

### Europska normizacija

EN 61011:1992/AC:1993

Electric fence energizers – Safety requirements for mains-operated electric fence energizers (IEC 61011:1989, modified)

EN 61011-1:1992/AC:1993

Electric fence energizers – Safety requirements for battery-operated electric fence energizers suitable for connection to the supply mains (IEC 61011-1:1989, modified)

EN 61011-2:1992/AC:1993

Electric fence energizers – Safety requirements for battery-operated electric fence energizers not for connection to the supply mains (IEC 61011-2:1990, modified)

## 65.060.01 Poljoprivredni strojevi i oprema općenito

### Međunarodna normizacija (ISO)

ISO 11783-2:2012

Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 2: Physical layer

ISO 11783-9:2012

Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 9: Tractor ECU

## 65.060.35 Oprema za navodnjavanje i isušivanje

### Međunarodna normizacija (ISO)

ISO 15886-1:2012

Agricultural irrigation equipment – Sprinklers – Part 1: Definition of terms and classification

## 65.060.70 Oprema za vrtlarstvo

### Međunarodna normizacija (IEC)

IEC 60335-2-107:2012

Household and similar electrical appliances – Safety – Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers

## 65.120 Tvari za hranidbu životinja

### Europska normizacija

EN ISO 14183:2008/AC:2012

Animal feeding stuffs – Determination of monensin, narasin and salinomycin contents – Liquid chromatographic method using post-column derivatization – Technical Corrigendum 1 (ISO 14183:2005/Cor 1:2010)

EN 16158:2012

Animal feeding stuffs – Determination of semduramicin content – Liquid chromatographic method using a “tree” analytical approach

EN 16162:2012

Animal feeding stuffs – Determination of decoquinone by HPLC with fluorescence detection

EN 16206:2012

Animal feeding stuffs – Determination of arsenic by hydride generation atomic absorption spectrometry (HGAAS) after microwave pressure digestion (digestion with 65 % nitric acid and 30 % hydrogen peroxide)

## 67.100.10 Mlijeko i obrađeni mliječni proizvodi

### Međunarodna normizacija (ISO)

ISO 8968-3:2004/Cor 1:2012

Milk – Determination of nitrogen content – Part 3: Block-digestion method (Semi-micro rapid routine method); Technical Corrigendum 1

ISO 8968-4:2001/Cor 2:2012

Milk – Determination of nitrogen content – Part 4: Determination of non-protein-nitrogen content; Technical Corrigendum 1

### Europska normizacija

EN ISO 8968-3:2007/AC:2012

Milk – Determination of nitrogen content – Part 3: Block-digestion method (Semi-micro rapid routine method) – Technical Corrigendum 1 (ISO 8968-3:2004/Cor 1:2011)

EN ISO 8968-4:2001/AC:2012

Milk – Determination of nitrogen content – Part 4: Determination of non-protein-nitrogen content – Technical Corrigendum 1 (ISO 8968-4:2001/Cor 1:2011)

## 71.040.40 Kemijska analiza

### Međunarodna normizacija (ISO)

ISO 11039:2012

Surface chemical analysis – Scanning-probe microscopy – Measurement of drift rate

### Europska normizacija

EN 50436-1:2005/AC:2009

Alcohol interlocks – Test methods and performance requirements – Part 1: Instruments for drink-driving-offender programs

EN 50436-2:2007/AC:2009

Alcohol interlocks – Test methods and performance requirements – Part 2: Instruments having a mouthpiece and measuring breath alcohol for general preventive use

## 71.040.50 Fizikalnokemijske metode analize

### Međunarodna normizacija (ISO)

ISO 11938:2012

Microbeam analysis – Electron probe microanalysis – Methods for elemental-mapping analysis using wavelength-dispersive spectroscopy

## 75.160.20 Ukapljena goriva

### Međunarodna normizacija (ISO)

ISO 13032:2012

Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method

### Europska normizacija

EN 589:2008+A1:2012

Automotive fuels – LPG – Requirements and test methods

EN ISO 13032:2012

Petroleum products – Determination of low concentration of sulfur in automotive fuels – Energy-dispersive X-ray fluorescence spectrometric method (ISO 13032:2012)

## 75.180.10 Oprema za iskorištavanje i vađenje

### Međunarodna normizacija (IEC)

IEC 61892-2:2012

Mobile and fixed offshore units – Electrical installations – Part 2: System design

IEC 61892-3:2012

Mobile and fixed offshore units – Electrical installations – Part 3: Equipment

## 75.180.30 Oprema za obujamska mjerenja i mjerenja

### Europska normizacija

EN 13352:2012

Specification for the performance of automatic tank contents gauges

## 77.060 Hrdanje kovina

### Međunarodna normizacija (ISO)

ISO 9223:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Classification, determination and estimation

ISO 9224:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Guiding values for the corrosivity categories

ISO 9225:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Measurement of environmental parameters affecting corrosivity of atmospheres

ISO 9226:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Determination of corrosion rate of standard specimens for the evaluation of corrosivity

ISO 12696:2012

Cathodic protection of steel in concrete

ISO 17474:2012

Corrosion of metals and alloys – Conventions applicable to electrochemical measurements in corrosion testing

ISO 21608:2012

Corrosion of metals and alloys – Test method for isothermal-exposure oxidation testing under high-temperature corrosion conditions for metallic materials

### Europska normizacija

EN ISO 9223:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Classification, determination and estimation (ISO 9223:2012)

EN ISO 9224:2012

Corrosion of metals and alloys – Corrosivity of atmospheres – Guiding values for the corrosivity categories (ISO 9224:2012)



- EN ISO 9225:2012  
Corrosion of metals and alloys – Corrosivity of atmospheres – Measurement of environmental parameters affecting corrosivity of atmospheres (ISO 9225:2012)
- EN ISO 9226:2012  
Corrosion of metals and alloys – Corrosivity of atmospheres – Determination of corrosion rate of standard specimens for the evaluation of corrosivity (ISO 9226:2012)
- EN ISO 12696:2012  
Cathodic protection of steel in concrete (ISO 12696:2012)

## **77.140.50 Proizvodi i poluproizvodi od ravnog čelika**

### **Međunarodna normizacija (ISO)**

- ISO 15177:2012  
Hot-rolled twin-roll cast carbon steel sheet of commercial quality
- ISO 15179:2012  
Hot-rolled twin-roll cast steel sheet of structural quality and high strength steel
- ISO 15208:2012  
Continuous hot-dip zinc-coated twin-roll cast steel sheet of commercial quality
- ISO 15211:2012  
Continuous hot-dip zinc-coated twin-roll cast steel sheet of structural quality and high strength steel

## **79.040 Drvo, trupci i piljena građa**

### **Međunarodna normizacija (ISO)**

- ISO 3129:2012  
Wood – Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens

## **79.060.01 Ploče s drvenom osnovom općenito**

### **Europska normizacija**

- EN 325:2012  
Wood-based panels – Determination of dimensions of test pieces

## **79.120.10 Strojevi za obradbu drveta**

### **Europska normizacija**

- EN 1870-4:2012  
Safety of woodworking machines – Circular sawing machines – Part 4: Multiblade rip sawing machines with manual loading and/or unloading

## **81.040.20 Građevno staklo**

### **Europska normizacija**

- EN 13541:2012  
Glass in building – Security glazing – Testing and classification of resistance against explosion pressure

## **83.080.01 Plastika općenito**

### **Međunarodna normizacija (ISO)**

- ISO 527-1:2012  
Plastics – Determination of tensile properties – Part 1: General principles
- ISO 527-2:2012  
Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics

### **Europska normizacija**

- EN ISO 527-1:2012  
Plastics – Determination of tensile properties – Part 1: General principles (ISO 527-1:2012)
- EN ISO 527-2:2012  
Plastics – Determination of tensile properties – Part 2: Test conditions for moulding and extrusion plastics (ISO 527-2:2012)

## **83.080.20 Termoplastična gradiva**

### **Međunarodna normizacija (ISO)**

- ISO 1622-1:2012  
Plastics – Polystyrene (PS) moulding and extrusion materials – Part 1: Designation system and basis for specifications

### **Europska normizacija**

- EN ISO 1622-1:2012  
Plastics – Polystyrene (PS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 1622-1:2012)

## **83.140.40 Sipke cijevi**

### **Međunarodna normizacija (ISO)**

- ISO 10502:2012  
Aerospace – Hose assemblies in polytetrafluoroethylene (PTFE) for use up to 232 °C and 10 500 kPa – Technical specifications and requirements

## **83.160.01 Gume za vozila općenito**

### **Međunarodna normizacija (ISO)**

- ISO 9413:2012  
Tyre valves – Dimensions and designation

## **83.180 Adhezivi**

### **Međunarodna normizacija (ISO)**

- ISO 17212:2012  
Structural adhesives – Guidelines for the surface preparation of metals and plastics prior to adhesive bonding

### **Europska normizacija**

- EN 12703:2012  
Adhesives for paper and board, packaging and disposable sanitary products – Determination of low temperature flexibility or cold crack temperature
- EN 12704:2012  
Adhesives for paper and board, packaging and disposable sanitary products – Determination of foam formation for aqueous adhesives

## 85.100 Oprema za papirnu industriju

### Europska normizacija

EN 1034-8:2012

Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 8: Refining plants

EN 1034-16:2012

Safety of machinery – Safety requirements for the design and construction of paper making and finishing machines – Part 16: Paper and board making machines

## 87.100 Oprema za premazivanje bojom

### Europska normizacija

EN 50144-2-7:2000/AC:2003

Safety of hand-held electric motor operated tools – Part 2-7: Particular requirements for spray guns

EN 50580:2012

Safety of hand-held electric motor operated tools – Particular requirements for spray guns

## 91.060.50 Vrata i prozori

### Međunarodna normizacija (ISO)

ISO 10077-2:2012

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames

### Europska normizacija

EN ISO 10077-2:2012

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames (ISO 10077-2:2012)

## 91.080.40 Betonske konstrukcije

### Međunarodna normizacija (ISO)

ISO 12696:2012

Cathodic protection of steel in concrete

ISO 13315-1:2012

Environmental management for concrete and concrete structures – Part 1: General principles

### Europska normizacija

EN ISO 12696:2012

Cathodic protection of steel in concrete (ISO 12696:2012)

## 91.100.23 Keramičke pločice

### Međunarodna normizacija (ISO)

ISO 13006:2012

Ceramic tiles – Definitions, classification, characteristics and marking

## 91.100.25 Keramički građevni proizvodi

### Europska normizacija

EN 1024:2012

Clay roofing tiles for discontinuous laying – Determination of geometric characteristics

## 91.100.30 Beton i betonski proizvodi

### Međunarodna normizacija (ISO)

ISO 13315-1:2012

Environmental management for concrete and concrete structures – Part 1: General principles

### Europska normizacija

EN 15050:2007+A1:2012

Precast concrete products – Bridge elements

## 91.120.10 Toplinska izolacija

### Međunarodna normizacija (ISO)

ISO 10077-2:2012

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames

ISO 13791:2012

Thermal performance of buildings – Calculation of internal temperatures of a room in summer without mechanical cooling – General criteria and validation procedures

ISO 13792:2012

Thermal performance of buildings – Calculation of internal temperatures of a room in summer without mechanical cooling – Simplified methods

### Europska normizacija

CEN/TR 15601:2012

Hygrothermal performance of buildings – Resistance to wind – driven rain of roof coverings with discontinuously laid small elements – Test methods

EN ISO 10077-2:2012

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 2: Numerical method for frames (ISO 10077-2:2012)

EN ISO 13791:2012

Thermal performance of buildings – Calculation of internal temperatures of a room in summer without mechanical cooling – General criteria and validation procedures (ISO 13791:2012)

EN ISO 13792:2012

Thermal performance of buildings – Calculation of internal temperatures of a room in summer without mechanical cooling – Simplified methods (ISO 13792:2012)

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Međunarodna normizacija (ISO)

ISO 3382-3:2012

Acoustics – Measurement of room acoustic parameters – Part 3: Open plan offices

### Europska normizacija

EN ISO 3382-3:2012

Acoustics – Measurement of room acoustic parameters – Part 3: Open plan offices (ISO 3382-3:2012)

EN ISO 10140-1:2010/A1:2012

Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products – Amendment 1: Guidelines for the determination of the sound reduction index of joints filled with fillers and/or seals (ISO 10140-1:2010/Amd 1:2012)

## 91.120.30 Vodootpornost

### Europska normizacija

CEN/TR 15601:2012

Hygrothermal performance of buildings – Resistance to wind – driven rain of roof coverings with discontinuously laid small elements – Test methods

## 91.120.40 Zaštita od groma

### Međunarodna normizacija (IEC)

IEC 62561-1:2012

Lightning protection system components (LPSC) – Part 1: Requirements for connection components

IEC 62561-2:2012

Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes

IEC 62561-3:2012

Lightning protection system components (LPSC) – Part 3: Requirements for isolating spark gaps (ISG)

### Europska normizacija

EN 62305-2:2006/AC:2006

Protection against lightning – Part 2: Risk management (IEC 62305-2:2006)

## 91.140.30 Sustavi prozračivanja i klimatizacije

### Europska normizacija

EN 60335-2-40:2003/AC:2010

Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:2002, modified)

EN 60335-2-40:2003/AC:2006

Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers (IEC 60335-2-40:2002, modified)

EN 60335-2-40:2003/A13:2012

Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

## 91.140.50 Sustavi opskrbe strujom

### Europska normizacija

HD 384.4.473 S1:1980/AC:2005

Electrical installations of buildings – Part 4: Protection for safety – Chapter 47: Application of protective measures for safety – Section 473: Measures of protection against overcurrent

HD 384.4.482 S1:1997/AC:1997

Electrical installations of buildings – Part 4: Protection for safety – Chapter 48: Choice of protective measures as a function of external influences – Section 482: Protection against fire where particular risks or danger exist

HD 60364-4-41:2007/AC:2007

Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock (IEC 60364-4-41:2005, modified)

HD 60364-5-551:2010/AC:2010

Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (IEC 60364-5-55:2001/am2:2008 (Clause 551))

HD 60364-5-559:2005/AC:2007

Electrical installations of buildings – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 559: Luminaires and lighting installations (IEC 60364-5-55:2001 (Clause 559), modified)

HD 60364-7-704:2007/AC:2008

Low-voltage electrical installations – Part 7-704: Requirements for special installations or locations – Construction and demolition site installations (IEC 60364-7-704:2005, modified)

HD 60364-7-709:2009/AC:2010

Low-voltage electrical installations – Part 7-709: Requirements for special installations or locations – Marinas and similar locations (IEC 60364-7-709:2007, modified)

HD 60364-7-712:2005/AC:2006

Electrical installations of buildings – Part 7-712: Requirements for special installations or locations – Solar photovoltaic (PV) power supply systems (IEC 60364-7-712:2002)

HD 60364-7-721:2009/AC:2010

Low-voltage electrical installations – Part 7-721: Requirements for special installations or locations – Electrical installations in caravans and motor caravans (IEC 60364-7-721:2007, modified)

## 91.140.60 Sustavi opskrbe vodom

### Europska normizacija

CEN/TR 12108:2012

Plastics piping systems – Guidance for the installation inside buildings of pressure piping systems for hot and cold water intended for human consumption

## 91.140.65 Oprema za grijanje vode

### Europska normizacija

EN 60335-2-21:2003/AC:2010

Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters (IEC 60335-2-21:2002, modified)

EN 60335-2-21:2003/AC:2007

Household and similar electrical appliances – Safety – Part 2-21: Particular requirements for storage water heaters (IEC 60335-2-21:2002, modified)

## 91.140.80 Odvodni sustavi

### Međunarodna normizacija (ISO)

ISO 10467:2004/Amd 1:2012

Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin; Amendment 1

## 91.160.10 Unutrašnja rasvjeta

### Međunarodna normizacija (IEC)

IEC 62034:2012

Automatic test systems for battery powered emergency escape lighting

## Europska normizacija

EN 13272:2012

Railway applications – Electrical lighting for rolling stock in public transport systems

EN 60598-2-22:1998/AC:2007

Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting (IEC 60598-2-22:1997, modified)

## 93.030 Vanjska kanalizacija

### Međunarodna normizacija (ISO)

ISO 10467:2004/Amd 1:2012

Plastics piping systems for pressure and non-pressure drainage and sewerage – Glass-reinforced thermosetting plastics (GRP) systems based on unsaturated polyester (UP) resin; Amendment 1

## 93.040 Mostogradnja

### Europska normizacija

EN 15050:2007+A1:2012

Precast concrete products – Bridge elements

## 93.080.20 Sredstva za cestogradnju

### Europska normizacija

EN 12697-5:2009/AC:2012

Bituminous mixtures – Test methods for hot mix asphalt – Part 5: Determination of the maximum density

EN 12697-26:2012

Bituminous mixtures – Test methods for hot mix asphalt – Part 26: Stiffness

## 93.080.30 Cestovna oprema i instalacije

### Europska normizacija

EN 1317-5:2007+A2:2012

Road restraint systems – Part 5: Product requirements and evaluation of conformity for vehicle restraint systems

## 93.080.40 Rasvjeta ulica i srodna oprema

### Europska normizacija

EN 60598-2-3:2003/AC:2005

Luminaires – Part 2-3: Particular requirements – Luminaires for road and street lighting (IEC 60598-2-3:2002)

## 93.100 Gradnja željezničkih pruga

### Europska normizacija

EN 50121-4:2006/AC:2008

Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

EN 50129:2003/AC:2010

Railway applications – Communication, signalling and processing systems – Safety related electronic systems for signalling

## 93.140 Gradnja plovnih kanala i luka

### Međunarodna normizacija (IEC)

IEC 60364-7-709:2007/am2:2012

Low-voltage electrical installations – Part 7-709: Requirements for special installations or locations – Marinas and similar locations

IEC 60364-7-709 Edition 2.1:2012

Low-voltage electrical installations – Part 7-709: Requirements for special installations or locations – Marinas and similar locations

### Europska normizacija

HD 60364-7-709:2009/AC:2010

Low-voltage electrical installations – Part 7-709: Requirements for special installations or locations – Marinas and similar locations (IEC 60364-7-709:2007, modified)

## 95.020 Vojna tehnika. Vojni poslovi. Oružje

### Europska normizacija

EN 16341:2012

Selection of standards and standard-like documents for defence products and services – Order of preference

## 97.030 Kućanska električna oprema općenito

### Međunarodna normizacija (IEC)

IEC 60335-2-17:2012

Household and similar electrical appliances – Safety – Part 2-17: Particular requirements for blankets, pads, clothing and similar flexible heating appliances

### Europska normizacija

EN 60335-2-66:2003/A2:2012

Household and similar electrical appliances – Safety – Part 2-66: Particular requirements for water-bed heaters (IEC 60335-2-66:2002/A2:2011)

EN 60335-2-81:2003/A2:2012

Household and similar electrical appliances – Safety – Part 2-81: Particular requirements for foot warmers and heating mats (IEC 60335-2-81:2002/A2:2011)

EN 62233:2008/AC:2008

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure (IEC 62233:2005, modified)

## 97.040.10 Kućanski namještaj

### Europska normizacija

EN 60335-2-16:2003/A2:2012

Household and similar electrical appliances – Safety – Part 2-16: Particular requirements for food waste disposers (IEC 60335-2-16:2002/A2:2011)

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

### Međunarodna normizacija (IEC)

IEC 60350-1:2011/Corr.1:2012

Household electric cooking appliances – Part 1: Ranges, ovens, steam ovens and grills – Methods for measuring performance



IEC 60335-2-39:2012

Household and similar electrical appliances – Safety  
– Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans

## Europska normizacija

EN 60335-2-6:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances (IEC 60335-2-6:2002, modified)

EN 60335-2-15:2002/AC:2006

Household and similar electrical appliances – Safety  
– Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2002)

EN 60335-2-31:2003/AC:2005

Household and similar electrical appliances – Safety –  
Part 2-31: Particular requirements for range hoods and other cooking fume extractors (IEC 60335-2-31:2002)

EN 60335-2-36:2002/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-36: Particular requirements for commercial electric cooking ranges, ovens, hobs and hob elements (IEC 60335-2-36:2002)

EN 60335-2-37:2002/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-37: Particular requirements for commercial electric deep fat fryers (IEC 60335-2-37:2002)

EN 60335-2-38:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-38: Particular requirements for commercial electric griddles and griddle grills (IEC 60335-2-38:2002)

EN 60335-2-39:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-39: Particular requirements for commercial electric multi-purpose cooking pans (IEC 60335-2-39:2002)

EN 60335-2-42:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-42: Particular requirements for commercial electric forced convection ovens, steam cookers and steam-convection ovens (IEC 60335-2-42:2002)

EN 60335-2-47:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-47: Particular requirements for commercial electric boiling pans (IEC 60335-2-47:2002)

EN 60335-2-48:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-48: Particular requirements for commercial electric grillers and toasters (IEC 60335-2-48:2002)

EN 60335-2-50:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-50: Particular requirements for commercial electric bains-marie (IEC 60335-2-50:2002)

## 97.040.40 Strojevi za pranje posuda

### Međunarodna normizacija (IEC)

IEC 60436 Edition 3.1:2009/am2:2012

Amendment 2 – Electric dishwashers for household use – Methods for measuring the performance

### Europska normizacija

EN 60335-2-58:2005/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-58: Particular requirements for commercial electric dishwashing machines (IEC 60335-2-58:2002, modified)

EN 60335-2-62:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-62: Particular requirements for commercial electric rinsing sinks (IEC 60335-2-62:2002)

## 97.040.50 Mali kuhinjski uređaji

### Europska normizacija

EN 60335-2-14:2006/AC:2007

Household and similar electrical appliances – Safety –  
Part 2-14: Particular requirements for kitchen machines (IEC 60335-2-14:2006, modified)

EN 60335-2-15:2002/AC:2006

Household and similar electrical appliances – Safety  
– Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2002)

EN 60335-2-49:2003/AC:2007

Household and similar electrical appliances – Safety  
– Part 2-49: Particular requirements for commercial electric appliances for keeping food and crockery warm (IEC 60335-2-49:2002)

EN 60335-2-64:2000/AC:2002

Safety of household and similar electrical appliances  
– Part 2-64: Particular requirements for commercial electric kitchen machines (IEC 60335-2-64:1997, modified)

EN 60619:1993/AC:1993-11

Electrically operated food preparation appliances –  
Methods for measuring the performance (IEC 60619:1993)

EN 60619:1993/AC:1993-10

Electrically operated food preparation appliances –  
Methods for measuring the performance (IEC 60619:1993)

EN 60335-2-16:2003/A2:2012

Household and similar electrical appliances – Safety  
– Part 2-16: Particular requirements for food waste disposers (IEC 60335-2-16:2002/A2:2011)

## 97.060 Praonički uređaji

### Međunarodna normizacija (IEC)

IEC 60335-2-3:2012

Household and similar electrical appliances – Safety  
– Part 2-3: Particular requirements for electric irons

IEC 60335-2-7 Edition 7.1:2012

Household and similar electrical appliances – Safety –  
Part 2-7: Particular requirements for washing machines

IEC 60704-2-6:2012

Household and similar electrical appliances – Test  
code for the determination of airborne acoustical noise  
– Part 2-6: Particular requirements for tumble dryers

IEC 61121:2012

Tumble dryers for household use – Methods for  
measuring the performance

### Europska normizacija

EN 60335-2-44:2002/A2:2012

Household and similar electrical appliances – Safety  
– Part 2-44: Particular requirements for ironers (IEC 60335-2-44:2002/A2:2011)

## 97.080 Uređaji za čišćenje podova

### Međunarodna normizacija (IEC)

IEC 60335-2-67:2012

Household and similar electrical appliances – Safety  
– Part 2-67: Particular requirements for floor treatment  
machines, for commercial use

- IEC 60335-2-68:2012  
Household and similar electrical appliances – Safety – Part 2-68: Particular requirements for spray extraction machines, for commercial use
- IEC 60335-2-69:2012  
Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use
- IEC 60335-2-72:2012  
Household and similar electrical appliances – Safety – Part 2-72: Particular requirements for floor treatment machines with or without traction drive, for commercial use
- IEC 60335-2-79:2012  
Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high pressure cleaners and steam cleaners

### 97.100.10 Električni grijači

#### Europska normizacija

- EN 60335-2-30:2009/AC:2010  
Household and similar electrical appliances – Safety – Part 2-30: Particular requirements for room heaters (IEC 60335-2-30:2009)

### 97.120 Automatsko upravljanje za kućansku uporabu

#### Europska normizacija

- CWA 50487:2005/AC:2006  
SmartHouse Code of Practice
- EN 50090-2-2:1996/AC:1997  
Home and Building Electronic Systems (HBES) – Part 2-2: System overview – General technical requirements
- EN 50344-1:2001/AC:2001  
Routine tests for controls within the scope of the EN 60730 series – Part 1: General requirements
- EN 50491-4-1:2012  
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 4-1: General functional safety requirements for products intended to be integrated in Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS)
- EN 60730-2-1:1997/AC:2001  
Automatic electrical controls for household and similar use. Part 2: Particular requirements for electrical controls for electrical household appliances (IEC 60730-2-1:1989, modified)

### 97.130.20 Trgovački rashladni uređaji

#### Međunarodna normizacija (ISO)

- ISO 23953-1:2005/Amd 1:2012  
Refrigerated display cabinets – Part 1: Vocabulary; Amendment 1
- ISO 23953-2:2005/Amd 1:2012  
Refrigerated display cabinets – Part 2: Classification, requirements and test conditions; Amendment 1

#### Europska normizacija

- EN ISO 23953-1:2005/A1:2012  
Refrigerated display cabinets – Part 1: Vocabulary – Amendment 1 (ISO 23953-1:2005/Amd 1:2012)

- EN ISO 23953-2:2005/A1:2012  
Refrigerated display cabinets – Part 2: Classification, requirements and test conditions – Amendment 1 (ISO 23953-2:2005/Amd 1:2012)

### 97.170 Oprema za njegu tijela

#### Međunarodna normizacija (IEC)

- IEC 60335-2-23 Edition 5.2:2012  
Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care

#### Europska normizacija

- EN 60335-2-27:2010/AC:2010  
Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation
- EN ISO 20126:2012  
Dentistry – Manual toothbrushes – General requirements and test methods (ISO 20126:2012)

### 97.190 Kućanska oprema za djecu

#### Europska normizacija

- EN 1888:2012  
Child care articles – Wheeled child conveyances – Safety requirements and test methods
- EN 60598-2-10:2003/AC:2005  
Luminaires – Part 2-10: Particular requirements – Portable luminaires for children (IEC 60598-2-10:2003)

### 97.200.50 Igračke

#### Međunarodna normizacija (ISO)

- ISO 8124-1:2009/Amd 2:2012  
Safety of toys – Part 1: Safety aspects related to mechanical and physical properties – Amendment 2: Magnets