

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

**5/2010** listopad, 2010.

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

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

Izdavač:



HZN

Hrvatski zavod za norme  
Croatian Standards Institute

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- 4.1 Cjenik hrvatskih norma

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

HRN EN 609-1:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Sigurnost  
cjepača – 1. dio: Klinasti cjepači  
(EN 609-1:1999+A2:2009)  
Agricultural and forestry machinery – Safety of log  
splitters – Part 1: Wedge splitters  
(EN 609-1:1999+A2:2009)

HRN EN 609-2:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Sigurnost  
cjepača – 2. dio: Vijčani cjepači  
(EN 609-2:1999+A1:2009)  
Agricultural and forestry machinery – Safety of log  
splitters – Part 2: Screw splitters  
(EN 609-2:1999+A1:2009)

HRN EN 690:2010 en pr  
Poljoprivredna mehanizacija – Razbacivači gnojiva  
– Sigurnost (EN 690:1994+A1:2009)  
Agricultural machinery – Manure spreaders – Safety  
(EN 690:1994+A1:2009)

HRN EN 703:2010 en pr  
Poljoprivredna mehanizacija – Strojevi za punjenje,  
miješanje i/ili izuzimanje i raspodjelu silaže – Sigurnost  
(EN 703:2004+A1:2009)  
Agricultural machinery – Silage loading, mixing and/or  
chopping and distributing machines – Safety  
(EN 703:2004+A1:2009)

HRN EN 704:2010 en pr  
Poljoprivredna mehanizacija – Sakupljači bala  
– Sigurnost (EN 704:1999+A1:2009)  
Agricultural machinery – Pick-up balers – Safety  
(EN 704:1999+A1:2009)

HRN EN 706:2010 en pr  
Poljoprivredna mehanizacija – Strojevi za rez mladica  
vinove loze – Sigurnost (EN 706:1996+A1:2009)  
Agricultural machinery – Vine shoot tipping machines  
– Safety (EN 706:1996+A1:2009)

HRN EN 707:2010 en pr  
Poljoprivredna mehanizacija – Spremnici za gnojnicu  
– Sigurnost (EN 707:1999+A1:2009)  
Agricultural machinery – Slurry tankers – Safety  
(EN 707:1999+A1:2009)

HRN EN 709:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Jedno-  
osovinski traktori s priključenom rovilicom, motorne  
kopačice (motokultivatori) – Sigurnost  
(EN 709:1997+A4:2009)  
Agricultural and forestry machinery – Pedestrian  
controlled tractors with mounted rotary cultivators,  
motor hoes, motor hoes with drive wheel(s) – Safety  
(EN 709:1997+A4:2009)

HRN EN 745:2010 en pr  
Poljoprivredna mehanizacija – Kružne vertikalne  
kosilice i sitnilice (mulcheri) – Sigurnost  
(EN 745:1999+A1:2009)  
Agricultural machinery – Rotary mowers and flail-  
mowers – Safety (EN 745:1999+A1:2009)

HRN EN 786:2010 en pr  
Oprema za vrtove i parkove – Elektromotorni čistači  
za travu i rubnjake travnjaka – Sigurnost  
(EN 786:1996+A2:2009)  
Garden equipment – Electrically powered walk-behind  
and hand-held lawn trimmers and lawn edge trimmers  
– Mechanical safety (EN 786:1996+A2:2009)

HRN EN 908:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Strojevi za  
navodnjavanje – Sigurnost (EN 908:1999+A1:2009)  
Agricultural and forestry machinery – Reel machines  
for irrigation – Safety (EN 908:1999+A1:2009)

HRN EN 909:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Strojevi  
za navodnjavanje sa središnjim rasprskivačem i  
samohodnim bočnim rasprskivačima – Sigurnost  
(EN 909:1998+A1:2009)  
Agricultural and forestry machinery – Centre pivot and  
moving lateral types irrigation machines – Safety  
(EN 909:1998+A1:2009)

HRN EN 1374:2010 en pr  
Agricultural machinery – Silos stationary unloaders for  
round silos – Safety (EN 1374:2000+A1:2010)

HRN EN 1853:2010 en pr  
Poljoprivredna mehanizacija – Prikolice sa zakretnim  
samoistovarnim sandukom – Sigurnost  
(EN 1853:1999+A1:2009)  
Agricultural machinery – Trailers with tipping body  
– Safety (EN 1853:1999+A1:2009)

HRN EN ISO 4254-1:2010 en pr  
Poljoprivredna mehanizacija – Sigurnost – 1. dio: Opći  
zahtjevi (ISO 4254-1:2008;  
EN ISO 4254-1:2009)  
Agricultural machinery – Safety – Part 1: General  
requirements (ISO 4254-1:2008;  
EN ISO 4254-1:2009)

HRN EN ISO 4254-5:2010 en pr  
Poljoprivredna mehanizacija – Sigurnost – 5. dio:  
Pokretani strojevi i oruđa za obradu tla  
(ISO 4254-5:2008; EN ISO 4254-5:2009)  
Agricultural machinery – Safety – Part 5: Power-driven  
soil-working machines (ISO 4254-5:2008;  
EN ISO 4254-5:2009)

HRN EN ISO 4254-6:2010 en pr  
Poljoprivredna mehanizacija – Sigurnost – 6. dio:  
Prskalice i raspodjeljivači tekućih gnojiva  
(ISO 4254-6:2009; EN ISO 4254-6:2009)  
Agricultural machinery – Safety – Part 6: Sprayers and  
liquid fertilizer distributors (ISO 4254-6:2009;  
EN ISO 4254-6:2009)

HRN EN ISO 4254-7:2010 en pr  
Poljoprivredna mehanizacija – Sigurnost – 7. dio:  
Kombajni za žito, krmu i pamuk (ISO 4254-7:2008;  
EN ISO 4254-7:2009)  
Agricultural machinery – Safety – Part 7: Combine  
harvesters, forage harvesters and cotton harvesters  
(ISO 4254-7:2008; EN ISO 4254-7:2009)

HRN EN ISO 4254-10:2010 en pr  
Agricultural machinery – Safety – Part 10: Rotary  
tedders and rakes (ISO 4254-10:2009;  
EN ISO 4254-10:2009)

HRN EN ISO 5674:2010 en pr  
Traktori i poljoprivredna i šumarska mehanizacija  
– Štitnici za priključno vratilo traktora (PV) – Proba  
čvrstoće i nosivosti te uvjeti za prihvaćanje  
(ISO 5674:2004, ispravljena verzija 2005-07-01;  
EN ISO 5674:2009)

- Tractors and machinery for agriculture and forestry – Guards for power take-off (PTO) drive-shafts – Strength and wear tests and acceptance criteria (ISO 5674:2004, corrected version 2005-07-01; EN ISO 5674:2009)
- HRN EN ISO 9261:2010 en pr  
Agricultural irrigation equipment – Emitters and emitting pipe – Specification and test methods (ISO 9261:2004; EN ISO 9261:2010)
- HRN EN ISO 10517:2010 en pr  
Motorni čistači – Sigurnost (ISO 10517:2009; EN ISO 10517:2009)  
Powered hand-held hedge trimmers – Safety (ISO 10517:2009; EN ISO 10517:2009)
- HRN EN ISO 11545:2010 en pr  
Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (ISO 11545:2009; EN ISO 11545:2009)
- HRN EN ISO 11680-1:2010 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje rezača grana na produljenoj cijevi – 1. dio: Jedinice opremljene integralnim motorom s unutrašnjim izgaranjem (ISO 11680-1:2000; EN ISO 11680-1:2008)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 1: Units fitted with an integral combustion engine (ISO 11680-1:2000; EN ISO 11680-1:2008)
- HRN EN ISO 11680-2:2010 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje rezača grana na produljenoj cijevi – 2. dio: Jedinice opremljene vanjskim izvorom snage na naramenicama (ISO 11680-2:2000; EN ISO 11680-2:2008)  
Machinery for forestry – Safety requirements and testing for pole-mounted powered pruners – Part 2: Units for use with a back-pack power source (ISO 11680-2:2000; EN ISO 11680-2:2008)
- HRN EN ISO 11681-1:2010 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila – 1. dio: Motorne pile za šumarsku praksu (ISO 11681-1:2004+Amd 1:2007; EN ISO 11681-1:2008)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 1: Chain-saws for forest service (ISO 11681-1:2004+Amd 1:2007; EN ISO 11681-1:2008)
- HRN EN ISO 11681-2:2010 en pr  
Šumarska mehanizacija – Sigurnosni zahtjevi i ispitivanje motornih pila – 2. dio: Motorne pile za njegu stabala (ISO 11681-2:2006; EN ISO 11681-2:2008)  
Machinery for forestry – Portable chain-saw safety requirements and testing – Part 2: Chain-saws for tree service (ISO 11681-2:2006; EN ISO 11681-2:2008)
- HRN EN ISO 11806:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Čistači trave i orezivači živice pokretani motorima s unutrašnjim izgaranjem – Sigurnost (ISO 11806:1997; EN ISO 11806:2008)  
Agricultural and forestry machinery – Portable hand-held combustion engine driven brush cutters and grass trimmers – Safety (ISO 11806:1997; EN ISO 11806:2008)
- HRN EN 12525:2010 en pr  
Agricultural machinery – Front loaders – Safety (EN 12525:2000+A2:2010)
- HRN EN 12733:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Ručno upravljane motorne kosilice – Sigurnost (EN 12733:2001+A1:2009)  
Agricultural and forestry machinery – Pedestrian controlled motor mowers – Safety (EN 12733:2001+A1:2009)
- HRN EN 12965:2010 en pr  
Traktori i poljoprivredna i šumarska mehanizacija – Štitnici vratila za prijenos snage s traktora na strojeve i oruđa – Sigurnost (EN 12965:2003+A2:2009)  
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety (EN 12965:2003+A2:2009)
- HRN EN 13118:2010 en pr  
Poljoprivredna mehanizacija – Oprema za skupljanje krumpira – Sigurnost (EN 13118:2000+A1:2009)  
Agricultural machinery – Potato harvesting equipment – Safety (EN 13118:2000+A1:2009)
- HRN EN 13140:2010 en pr  
Agricultural machinery – Sugar beet and fodder beet harvesting equipment – Safety (EN 13140:2000+A1:2009)
- HRN EN 13448:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Strojevi i oruđa za radove unutar reda – Sigurnost (EN 13448:2001+A1:2009)  
Agricultural and forestry machinery – Inter-row mowing units – Safety (EN 13448:2001+A1:2009)
- HRN EN 13525:2010 en pr  
Šumarska mehanizacija – Iverači drva – Sigurnost (EN 13525:2005+A2:2009)  
Forestry machinery – Wood chippers – Safety (EN 13525:2005+A2:2009)
- HRN EN 13683:2010 en pr  
Oprema za vrtove i parkove – Sitnilice za odrezane grane – Sigurnost (EN 13683:2003+A1:2009)  
Garden equipment – Integrally powered shredders/chippers – Safety (EN 13683:2003+A1:2009)
- HRN EN 13684:2010 en pr  
Oprema za vrtove i parkove – Ručno upravljani prozračivači za travnjake – Sigurnost (EN 13684:2004+A3:2009)  
Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety (EN 13684:2004+A3:2009)
- HRN EN 14017:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Raspo-djeljivači za kruta gnojiva – Sigurnost (EN 14017:2005+A2:2009)  
Agricultural and forestry machinery – Solid fertilizer distributors – Safety (EN 14017:2005+A2:2009)
- HRN EN 14018:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Sijačice – Sigurnost (EN 14018:2005+A1:2009)  
Agricultural and forestry machinery – Seed drills – Safety (EN 14018:2005+A1:2009)
- HRN EN 14861:2010 en pr  
Šumarska mehanizacija – Samohodni strojevi – Sigurnosni zahtjevi (EN 14861:2004+A1:2009)  
Forest machinery – Self propelled machinery – Safety requirements (EN 14861:2004+A1:2009)
- HRN EN 14910:2010 en pr  
Oprema za vrtove i parkove – Čistači pokretani motorima s unutrašnjim izgaranjem – Sigurnost (EN 14910:2007+A1:2009)  
Garden equipment – Walk-behind combustion engine powered trimmers – Safety (EN 14910:2007+A1:2009)
- HRN EN 14930:2010 en pr  
Poljoprivredna i šumarska mehanizacija i oprema za vrtove i parkove – Određivanje nehotičnog pristupa vrelim površinama – Dopunski element (EN 14930:2007+A1:2009)  
Agricultural and forestry machinery and gardening equipment – Pedestrian controlled and hand-held machines – Determination of accessibility of hot surfaces (EN 14930:2007+A1:2009)
- HRN EN ISO 14982:2010 en pr  
Poljoprivredni i šumarski strojevi – Elektromagnetska kompatibilnost – Metode ispitivanja i mjerila za prihvaćanje (ISO 14982:1998; EN ISO 14982:2009)

Agricultural and forestry machinery – Electromagnetic compatibility – Test methods and acceptance criteria (ISO 14982:1998; EN ISO 14982:2009)

- HRN EN 15503:2010 en pr  
Garden equipment – Garden blowers, vacuums and blower/vacuums – Safety (EN 15503:2009)
- HRN EN 15694:2010 en pr  
Poljoprivredni i šumarski traktori – Sjedalo za rukovatelja – Zahtjevi i načini ispitivanja (EN 15694:2009)  
Agricultural and forestry tractors – Passenger seat – Requirements and test procedures (EN 15694:2009)
- HRN EN 15695-1:2010 en pr  
Agricultural tractors and self-propelled sprayers – Protection of the operator (driver) against hazardous substances – Part 1: Cab classification, requirements and test procedures (EN 15695-1:2009)
- HRN EN 15695-2:2010 en pr  
Agricultural tractors and self-propelled sprayers – Protection of the operator (driver) against hazardous substances – Part 2: Filters, requirements and test procedures (EN 15695-2:2009)
- HRN EN 15811:2010 en pr  
Poljoprivredna mehanizacija – Štitnici pokretnih dijelova za prijenos snage – Štitnici koji se otvaraju pomoću alata (ISO/TS 28923:2007, MOD; EN 15811:2009)  
Agricultural machinery – Guards for moving parts of power transmission – Guard opening with tool (ISO/TS 28923:2007, MOD; EN 15811:2009)
- HRN EN ISO 22867:2010 en pr  
Šumarska mehanizacija – Kod za ispitivanje vibracija ručnih strojeva s motorima s unutrašnjim izgaranjem – Vibracije na ručkama (ISO 22867:2004+Cor 1:2006; EN ISO 22867:2008)  
Forestry machinery – Vibration test code for portable hand-held machines with internal combustion engine – Vibration at the handles (ISO 22867:2004+Cor 1:2006; EN ISO 22867:2008)
- HRN EN ISO 22868:2010 en pr  
Šumarska mehanizacija – Kod za ispitivanje buke ručnih strojeva s motorima s unutrašnjim izgaranjem – Inženjerska metoda (2. stupanj preciznosti) (ISO 22868:2005; EN ISO 22868:2008)  
Forestry machinery – Noise test code for portable hand-held machines with internal combustion engine – Engineering method (Grade 2 accuracy) (ISO 22868:2005; EN ISO 22868:2008)
- HRN EN ISO 28139:2010 en pr  
Poljoprivredna i šumarska mehanizacija – Ledno nosivi zamagljivači pokretani motorima s unutrašnjim izgaranjem – Sigurnosni zahtjevi (ISO 28139:2009; EN ISO 28139:2009)  
Agricultural and forestry machinery – Knapsack combustion-engine-driven mistblowers – Safety requirements (ISO 28139:2009; EN ISO 28139:2009)

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

- HRN EN 589:2010 hr pp/na  
Goriva za motorna vozila – UNP – Zahtjevi i metode ispitivanja (EN 589:2008)  
Automotive fuels – LPG – Requirements and test methods (EN 589:2008)

### **HZN/TO 82, Rudarstvo**

- HRN EN 1804-1:2010 en pr  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 1. dio: Elementi podgrade i opći zahtjevi (EN 1804-1:2001+A1:2010)

Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 1: Support units and general requirements (EN 1804-1:2001+A1:2010)

- HRN EN 1804-2:2010 en pr  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 2. dio: Stojke i pogonski cilindri (EN 1804-2:2001+A1:2010)  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 2: Power set legs and rams (EN 1804-2:2001+A1:2010)
- HRN EN 1804-3:2010 en pr  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 3. dio: Hidraulički kontrolni sistemi (EN 1804-3:2006+A1:2010)  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 3: Hydraulic control systems (EN 1804-3:2006+A1:2010)
- HRN EN 1889-2:2010 en pr  
Strojevi za podzemne rudnike – Pokretni strojevi u podzemnim rudnicima – Sigurnost – 2. dio: Željezničke lokomotive (EN 1889-2:2003+A1:2009)  
Machines for underground mines – Mobile machines working underground – Safety – Part 2: Rail locomotives (EN 1889-2:2003+A1:2009)
- HRN EN 12321:2010 en pr  
Strojevi za podzemne rudnike – Specifikacija sigurnosnih zahtjeva za oklopljene grabljare širokog čela (EN 12321:2003+A1:2009)  
Underground mining machinery – Specification for the safety requirements of armoured face conveyors (EN 12321:2003+A1:2009)
- HRN EN 14658:2010 en pr  
Uređaji i sustavi za neprekidnu dobavu – Opći zahtjevi za sigurnost opreme za neprekidnu dobavu za otvorene rudnike lignita (EN 14658:2005+A1:2010)  
Continuous handling equipment and systems – General safety requirements for continuous handling equipment for opencast lignite mining (EN 14658:2005+A1:2010)

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

- HRS CEN ISO/TS 21432:2007/Ispr.1:2010 en pr  
Nerazorno ispitivanje – Standardna ispitna metoda određivanja zaostalih naprezanja ogibom neutrona (ISO 21432:2005/Cor 1:2008; CEN ISO/TS 21432:2005/AC:2009)  
Non-destructive testing – Standards test method for determining residual stresses by neutron diffraction (ISO 21432:2005/Cor 1:2008; CEN ISO/TS 21432:2005/AC:2009)

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

- HRN ISO 6107-2:2010 en pr  
Kvaliteta vode – Terminološki rječnik – 2. dio (ISO 6107-2:2006)  
Water quality – Vocabulary – Part 2 (ISO 6107-2:2006)
- HRN ISO 6107-6:2010 en pr  
Kvaliteta vode – Terminološki rječnik – 6. dio (ISO 6107-6:2004)  
Water quality – Vocabulary – Part 6 (ISO 6107-6:2004)
- HRN ISO 6107-7:2010 en pr  
Kvaliteta vode – Terminološki rječnik – 7. dio (ISO 6107-7:2006)  
Water quality – Vocabulary – Part 7 (ISO 6107-7:2006)

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

HRN EN ISO 11885:2010 en pr  
Water quality – Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885:2007; EN ISO 11885:2009)

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

HRN EN ISO 8596:2010 en pr  
Oftalmološka optika – Ispitivanje vizualne oštrine – Standardni optotipovi i njihovo prikazivanje (ISO 8596:2009; EN ISO 8596:2009)  
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation (ISO 8596:2009; EN ISO 8596:2009)

HRN EN ISO 8612:2010 en pr  
Oftalmološki instrumenti – Tonometri (ISO 8612:2009; EN ISO 8612:2009)  
Ophthalmic instruments – Tonometers (ISO 8612:2009; EN ISO 8612:2009)

HRN EN ISO 9801:2010 en pr  
Oftalmološki instrumenti – Ispitne leće (ISO 9801:2009; EN ISO 9801:2009)  
Ophthalmic instruments – Trial case lenses (ISO 9801:2009; EN ISO 9801:2009)

HRN EN ISO 10341:2010 en pr  
Oftalmološki instrumenti – Refraktorske glave (ISO 10341:2009; EN ISO 10341:2009)  
Ophthalmic instruments – Refractor heads (ISO 10341:2009; EN ISO 10341:2009)

HRN EN ISO 10343:2010 en pr  
Oftalmološki instrumenti – Oftalmometri (ISO 10343:2009; EN ISO 10343:2009)  
Ophthalmic instruments – Ophthalmometers (ISO 10343:2009; EN ISO 10343:2009)

HRN EN ISO 10940:2010 en pr  
Oftalmološki instrumenti – Fundus kamere (ISO 10940:2009; EN ISO 10940:2009)  
Ophthalmic instruments – Fundus cameras (ISO 10940:2009; EN ISO 10940:2009)

HRN EN ISO 10944:2010 en pr  
Oftalmološki instrumenti – Sinoptofori (ISO 10944:2009; EN ISO 10944:2009)  
Ophthalmic instruments – Synoptophores (ISO 10944:2009; EN ISO 10944:2009)

HRN EN ISO 11145:2010 en pr  
Optika i fotonika – Laseri i pridružena oprema – Terminološki rječnik i simboli (ISO 11145:2006; EN ISO 11145:2008)  
Optics and photonics – Lasers and laser-related equipment – Vocabulary and symbols (ISO 11145:2006; EN ISO 11145:2008)

HRN EN ISO 11553-1:2010 en pr  
Sigurnost strojeva – Laserski strojevi za obradu – 1. dio: Opći zahtjevi za sigurnost (ISO 11553-1:2005; EN ISO 11553-1:2008)  
Safety of machinery – Laser processing machines – Part 1: General safety requirements (ISO 11553-1:2005; EN ISO 11553-1:2008)

HRN EN ISO 11553-2:2010 en pr  
Sigurnost strojeva – Laserski strojevi za obradu – 2. dio: Zahtjevi za sigurnost ručnih laserskih uređaja za obradu (ISO 11553-2:2007; EN ISO 11553-2:2008)  
Safety of machinery – Laser processing machines – Part 2: Safety requirements for hand-held laser processing devices (ISO 11553-2:2007; EN ISO 11553-2:2008)

HRN EN ISO 11810-1:2010 en pr  
Laseri i pridružena oprema – Metode ispitivanja i razredba otpornosti kirurških zastora i/ili zaštitnih

pokrivala za pacijente na lasersko zračenje – 1. dio: Primarno zapaljenje i prodiranje (ISO 11810-1:2005; EN ISO 11810-1:2009)

Lasers and laser-related equipment – Test method and classification for the laser resistance of surgical drapes and/or patient protective covers – Part 1: Primary ignition and penetration (ISO 11810-1:2005; EN ISO 11810-1:2009)

HRN EN ISO 11810-2:2010 en pr  
Laseri i pridružena oprema – Metode ispitivanja i razredba otpornosti kirurških zastora i/ili zaštitnih pokrivala za pacijente na lasersko zračenje – 2. dio: Sekundarno zapaljenje (ISO 11810-2:2007; EN ISO 11810-2:2009)

Lasers and laser-related equipment – Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers – Part 2: Secondary ignition (ISO 11810-2:2007; EN ISO 11810-2:2009)

HRN EN ISO 11979-4:2010 en pr  
Oftalmološki implantanti – Intraokularne leće – 4. dio: Označavanje i informacije (ISO 11979-4:2008; EN ISO 11979-4:2008)

Ophthalmic implants – Intraocular lenses – Part 4: Labelling and information (ISO 11979-4:2008; EN ISO 11979-4:2008)

HRN EN ISO 11980:2010 en pr  
Oftalmološka optika – Kontakte leće i proizvodi za njegu kontaktnih leća – Smjernice za klinička istraživanja (ISO 11980:2009; EN ISO 11980:2009)  
Ophthalmic optics – Contact lenses and contact lens care products – Guidance for clinical investigations (ISO 11980:2009; EN ISO 11980:2009)

HRN EN ISO 11981:2010 en pr  
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Utvrđivanje fizikalne usklađenosti proizvoda za održavanje kontaktnih leća s kontaktnim lećama (ISO 11981:2009; EN ISO 11981:2009)

Ophthalmic optics – Contact lenses and contact lens care products – Determination of physical compatibility of contact lens care products with contact lenses (ISO 11981:2009; EN ISO 11981:2009)

HRN EN ISO 12870:2010 en pr  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2004; EN ISO 12870:2009)  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2004; EN ISO 12870:2009)

HRN EN ISO 14534:2010 en pr  
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Osnovni zahtjevi (ISO 14534:2002; EN ISO 14534:2009)  
Ophthalmic optics – Contact lenses and contact lens care products – Fundamental requirements (ISO 14534:2002; EN ISO 14534:2009)

HRN EN ISO 14889:2010 en pr  
Oftalmološka optika – Naočalne leće – Osnovni zahtjevi za neoblikovane gotove leće (ISO 14889:2003; EN ISO 14889:2009)  
Ophthalmic optics – Spectacle lenses – Fundamental requirements for uncut finished lenses (ISO 14889:2003; EN ISO 14889:2009)

HRN EN ISO 15004-1:2010 en pr  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 1. dio: Opći zahtjevi primijenjeni za sve oftalmološke instrumente (ISO 15004-1:2006; EN ISO 15004-1:2009)  
Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2006; EN ISO 15004-1:2009)

- HRN EN ISO 15254:2010 en pr  
Oftalmološka optika i instrumenti – Elektro-optička sredstva za pojačavanje slabog vida (ISO 15254:2009; EN ISO 15254:2009)  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2009; EN ISO 15254:2009)
- HRN EN ISO 15752:2010 en pr  
Oftalmološki instrumenti – Izvori svjetla za endoskopiju – Osnovni zahtjevi i metode ispitivanja za zaštitu od optičkog zračenja (ISO 15752:2010; EN ISO 15752:2010)  
Ophthalmic instruments – Endoilluminators – Fundamental requirements and test methods for optical radiation safety (ISO 15752:2010; EN ISO 15752:2010)
- HRN EN ISO 15798:2010 en pr  
Oftalmološki implantanti – Oftalmološka viskozno-kirurška sredstva (ISO 15798:2010; EN ISO 15798:2010)  
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2010; EN ISO 15798:2010)

## HZN/TO 218, *Drvo*

- HRN EN 46-1:2010 en pr  
Sredstva za zaštitu drva – Određivanje preventivnih postupaka protiv tek izlegnutih ličinki kornjaša kućne strizibube (H. Bajulus, L.) – 1. dio: Primjena površinskog tretiranja (laboratorijska metoda) (EN 46-1:2009)  
Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 1: Application by surface treatment (laboratory method) (EN 46-1:2009)
- HRN EN 46-2:2010 en pr  
Sredstva za zaštitu drva – Određivanje preventivnih postupaka protiv tek izlegnutih ličinki kornjaša kućne strizibube (H. Bajulus, L.) – 2. dio: Ovicidalni učinak (laboratorijska metoda) (EN 46-2:2009)  
Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 2: Ovicidal effect (laboratory method) (EN 46-2:2009)
- HRN EN 975-1:2010/Ispr.1:2010 en pr  
Piljeno drvo – Razvrstavanje prema kakvoći listača – 1. dio: Hrast i bukva (EN 975-1:2009/AC:2010)  
Sawn timber – Appearance grading of hardwoods – Part 1: Oak and beech (EN 975-1:2009/AC:2010)
- HRN EN 1014-1:2010 en pr  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 1. dio: Postupak uzorkovanja kreozotnog ulja (EN 1014-1:2010)  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 1: Procedure for sampling creosote (EN 1014-1:2010)
- HRN EN 1014-2:2010 en pr  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 2. dio: Postupak dobivanja uzorka kreozotnog ulja iz kreozotom zaštićenog drva za naknadne analize (EN 1014-2:2010)  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 2: Procedure for obtaining a sample of creosote from creosoted timber for subsequent analysis (EN 1014-2:2010)
- HRN EN 1014-3:2010 en pr  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 3. dio: Utvrđivanje udjela benzo(a)pirena u kreozotnom ulju (EN 1014-3:2010)

Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 3: Determination of the benzo(a)pyrene content of creosote (EN 1014-3:2010)

- HRN EN 1014-4:2010 en pr  
Sredstva za zaštitu drva – Kreozotno ulje i drvo zaštićeno kreozotnim uljem – Metode uzorkovanja i analize – 4. dio: Utvrđivanje udjela vodotopivih fenola u kreozotnom ulju (EN 1014-4:2010)  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 4: Determination of the water-extractable phenols content of creosote (EN 1014-4:2010)
- HRN EN 1313-1:2010 en pr  
Oblo i piljeno drvo – Dopuštena odstupanja i preporučene veličine – 1. dio: Piljeno drvo četinjača (EN 1313-1:2010)  
Round and sawn timber – Permitted deviations and preferred sizes – Part 1: Softwood sawn timber (EN 1313-1:2010)
- HRN EN 1315:2010 en pr  
Razredba dimenzija oblog drva (EN 1315:2010)  
Dimensional classification of round timber (EN 1315:2010)
- HRN EN 1533:2010 en pr  
Drveni podovi – Određivanje čvrstoće na savijanje pod statičkim opterećenjem – Postupci ispitivanja (EN 1533:2010)  
Wood flooring – Determination of bending strength under static load – Test methods (EN 1533:2010)
- HRN EN 1534:2010 en pr  
Drveni podovi – Određivanje otpornosti na zasijecanje – Metode ispitivanja (EN 1534:2010)  
Wood flooring – Determination of resistance to indentation – Test method (EN 1534:2010)
- HRN EN 12490:2010 en pr  
Trajnost drva i proizvoda od drva – Zaštićeno cjelovito drvo – Određivanje penetracije i retencije kreozotnog ulja u tretiranom drvu (EN 12490:2010)  
Durability of wood and wood-based products – Preservative-treated solid wood – Determination of the penetration and retention of creosote in treated wood (EN 12490:2010)
- HRS CEN/TS 13307-2:2010 en pr  
Zazori kod laminiranih i zupčasto spojenih i poluobrađenih profila, za nestrukturnu primjenu – 2. dio: Kontrola proizvodnje (CEN/TS 13307-2:2009)  
Laminated and finger jointed timber blanks and semi-finished profiles for non-structural uses – Part 2: Production control (CEN/TS 13307-2:2009)
- HRS CEN/TS 14464:2010 en pr  
Piljeno drvo – Metoda ocjenjivanja piljenica s otvrdnutom površinom (CEN/TS 14464:2010)  
Sawn timber – Method for assessment of case-hardening (CEN/TS 14464:2010)

## HZN/TO 503, *Metalni materijali*

- HRN EN ISO 204:2010 en pr  
Metalni materijali – Jednoosno ispitivanje puzanja pri vlačnome naprezanju – Metoda ispitivanja (ISO 204:2009; EN ISO 204:2009)  
Metallic materials – Uniaxial creep testing in tension – Method of test (ISO 204:2009; EN ISO 204:2009)
- HRN EN 486:2010 en pr  
Aluminij i aluminijeve legure – Ingoti namijenjeni prešanju – Specifikacije (EN 486:2009)  
Aluminium and aluminium alloys – Extrusion ingots – Specifications (EN 486:2009)
- HRN EN 487:2010 en pr  
Aluminij i aluminijeve legure – Ingoti namijenjeni valjanju – Specifikacije (EN 487:2009)

- Aluminium and aluminium alloys – Rolling ingots – Specifications (EN 487:2009)
- HRN EN 723:2010 en pr  
Bakar i legure bakra – Određivanje udjela ugljika na unutrašnjoj površini bakrenih cijevi ili spojnica metodom spaljivanja (EN 723:2009)
- Copper and copper alloys – Combustion method for determination of the carbon content on the inner surface of copper tubes or fittings (EN 723:2009)
- HRN EN ISO 6892-1:2010 en pr  
Metalni materijali – Ispitivanje vlačne čvrstoće – 1. dio: Metoda ispitivanja pri sobnoj temperaturi (ISO 6892-1:2009; EN ISO 6892-1:2009)
- Metallic materials – Tensile testing – Part 1: Method of test at room temperature (ISO 6892-1:2009; EN ISO 6892-1:2009)
- HRN EN 10025-6:2010 en pr  
Toplo valjani proizvodi od konstrukcijskih čelika – 6. dio: Tehnički uvjeti isporuke za plosnate proizvode od konstrukcijskih čelika s visokom granicom razvlačenja u poboljšanom stanju (EN 10025-6:2004+A1:2009)
- Hot rolled products of structural steels – Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition (EN 10025-6:2004+A1:2009)
- HRN EN 10028-1:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 1. dio: Opći zahtjevi (EN 10028-1:2007+A1:2009+AC:2009)
- Flat products made of steels for pressure purposes – Part 1: General requirements (EN 10028-1:2007+A1:2009+AC:2009)
- HRN EN 10028-2:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 2. dio: Nelegirani i legirani čelici s utvrđenim svojstvima pri povišenoj temperaturi (EN 10028-2:2009)
- Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties (EN 10028-2:2009)
- HRN EN 10028-3:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 3. dio: Zavarljivi sitnozrnati čelici, normalizacijski žareni (EN 10028-3:2009)
- Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized (EN 10028-3:2009)
- HRN EN 10028-4:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 4. dio: Čelici legirani niklom s utvrđenim svojstvima pri niskim temperaturama (EN 10028-4:2009)
- Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties (EN 10028-4:2009)
- HRN EN 10028-5:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 5. dio: Zavarljivi, sitnozrnati čelici, termomehanički valjani (EN 10028-5:2009)
- Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled (EN 10028-5:2009)
- HRN EN 10028-6:2010 en pr  
Plosnati proizvodi od čelika za tlačne namjene – 6. dio: Zavarljivi, poboljšani, sitnozrnati čelici (EN 10028-6:2009)
- Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered (EN 10028-6:2009)
- HRN EN 10169:2010 en pr  
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)
- HRN EN 10225:2010 en pr  
Zavarljivi konstrukcijski čelici za nepomične odobalne konstrukcije – Tehnički uvjeti isporuke (EN 10225:2009)
- Weldable structural steels for fixed offshore structures – Technical delivery conditions (EN 10225:2009)
- HRN EN 10238:2010 en pr  
Automatsko čišćenje mlazom i automatska predobrada zaštitnom prevlakom proizvoda od konstrukcijskog čelika (EN 10238:2009)
- Automatically blast-cleaned and automatically prefabrication primed structural steel products (EN 10238:2009)
- HRN EN 10244-1:2010 en pr  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 1. dio: Osnovna načela (EN 10244-1:2009)
- Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 1: General principles (EN 10244-1:2009)
- HRN EN 10244-2:2010 en pr  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 2. dio: Prevlake od cinka i cinkovih legura (EN 10244-2:2009)
- Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 2: Zinc or zinc alloy coatings (EN 10244-2:2009)
- HRN EN ISO 19879:2010 en pr  
Metalni cijevni priključci za hidrauliku i opću uporabu – Metode ispitivanja za hidraulične priključke (ISO 19879:2010; EN ISO 19879:2010)
- Metallic tube connections for fluid power and general use – Test methods for hydraulic fluid power connections (ISO 19879:2010; EN ISO 19879:2010)
- HZN/TO 504, *Korozija i zaštita metala i legura***
- HRN EN ISO 11130:2010 en pr  
Korozija metala i legura – Ispitivanje izmjeničnim uranjanjem u otopinu soli (ISO 11130:2010; EN ISO 11130:2010)
- Corrosion of metals and alloys – Alternate immersion test in salt solution (ISO 11130:2010; EN ISO 11130:2010)
- HZN/TO 505, *Prijenos i distribucija plina***
- HRN EN 334:2010 en pr  
Gas pressure regulators for inlet pressures up to 100 bar (EN 334:2005+A1:2009)
- HRN EN 1474-1:2010 en pr  
Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 1: Design and testing of transfer arms (EN 1474-1:2008)
- HRN EN 1474-2:2010 en pr  
Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 2: Design and testing of transfer hoses (EN 1474-2:2008)
- HRN EN 1474-3:2010 en pr  
Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 3: Offshore transfer systems (EN 1474-3:2008)
- HRN EN 1594:2010 en pr  
Gas supply systems – Pipelines for maximum operating pressure over 16 bar – Functional requirements (EN 1594:2009)
- HRN EN 14382:2010 en pr  
Safety devices for gas pressure regulating stations and installations – Gas safety shut-off devices for inlet pressures up to 100 bar (EN 14382:2005+A1:2009+AC:2009)



- HRN EN 15001-1:2010 en pr  
Gas Infrastructure – Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations – Part 1: Detailed functional requirements for design, materials, construction, inspection and testing (EN 15001-1:2009)
- HRN EN 15001-2:2010 en pr  
Gas infrastructure – Gas installation pipework with an operating pressure greater than 0,5 bar for industrial installations and greater than 5 bar for industrial and non-industrial installations – Part 2: Detailed functional requirements for commissioning, operation and maintenance (EN 15001-2:2008)
- HRS CEN/TS 15173:2010 en pr  
Gas supply systems – Frame of reference regarding Pipeline Integrity Management System (PIMS) (CEN/TS 15173:2006)
- HRS CEN/TS 15174:2010 en pr  
Gas supply systems – Guideline for safety management systems for natural gas transmission pipelines (CEN/TS 15174:2006)
- HRS CEN/TS 15399:2010 en pr  
Gas Supply Systems – Guidelines for Management systems for Gas Distribution Network (CEN/TS 15399:2007)

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

- HRN EN ISO 445:2010 en pr  
Palete za rukovanje materijalima – Terminološki rječnik (ISO 445:2008; EN ISO 445:2009)  
Pallets for materials handling – Vocabulary (ISO 445:2008; EN ISO 445:2009)
- HRN EN 13029:2010 en pr  
Ambalaža – Tankostijena metalna ambalaža – Otvori za utične plastične čepove (EN 13029:2009)  
Packaging – Light-gauge metal packaging – Apertures for plug-in plastic closures (EN 13029:2009)

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

- HRN EN 13301:2010 en pr  
Bitumen i bitumenska veziva – Određivanje sklonosti bitumena izdvajanju uljnih komponenti (EN 13301:2010)  
Bitumen and bituminous binders – Determination of staining tendency of bitumen (EN 13301:2010)
- HRN EN 13302:2010 en pr  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti bitumenskog veziva viskozimetrom s rotirajućim vretenom (EN 13302:2010)  
Bitumen and bituminous binders – Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus (EN 13302:2010)
- HRN EN 13358:2010 en pr  
Bitumen i bitumenska veziva – Određivanje destilacijskih svojstava razrijeđenih i omekšanih bitumenskih veziva pripremljenih s mineralnim uljima za omekšavanje (EN 13358:2010)  
Bitumen and bituminous binders – Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes (EN 13358:2010)
- HRN EN 13398:2010 en pr  
Bitumen i bitumenska veziva – Određivanje elastičnog povrata modificiranog bitumena (EN 13398:2010)  
Bitumen and bituminous binders – Determination of the elastic recovery of modified bitumen (EN 13398:2010)
- HRN EN 13399:2010 en pr  
Bitumen i bitumenska veziva – Određivanje stabilnosti pri skladištenju modificiranog bitumena (EN 13399:2010)

Bitumen and bituminous binders – Determination of storage stability of modified bitumen (EN 13399:2010)

- HRN EN 13587:2010 en pr  
Bitumen i bitumenska veziva – Određivanje vlačnih svojstava bitumenskih veziva metodom rastezanja (EN 13587:2010)  
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method (EN 13587:2010)
- HRN EN 13632:2010 en pr  
Bitumen i bitumenska veziva – Vizualno određivanje disperzije polimera u polimerome modificiranom bitumenu (EN 13632:2010)  
Bitumen and bituminous binders – Visualisation of polymer dispersion in polymer modified bitumen (EN 13632:2010)
- HRN EN 13702:2010 en pr  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti modificiranog bitumena metodom stošca i ploče (EN 13702:2010)  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen by cone and plate method (EN 13702:2010)
- HRN EN 14023:2010 en pr  
Bitumen i bitumenska veziva – Okvirna specifikacija za polimerom modificirane bitumene (EN 14023:2010)  
Bitumen and bituminous binders – Specification framework for polymer modified bitumens (EN 14023:2010)
- HRN EN 14733:2010 en pr  
Bitumen i bitumenska veziva – Proizvođačka kontrola pri proizvodnji bitumenskih emulzija, omekšanog i razrijeđenog bitumena (EN 14733:2005+A1:2010)  
Bitumen and bituminous binders – Bituminous emulsions, fluxed and cut-back bitumen factory production control (EN 14733:2005+A1:2010)

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

- HRN EN 12663-1:2010 en pr  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 1. dio: Lokomotive i putnička željeznička vozila (i alternativna metoda za teretne vagone) (EN 12663-1:2010)  
Railway applications – Structural requirements of railway vehicle bodies – Part 1: Locomotives and passenger rolling stock (and alternative method for freight wagons) (EN 12663-1:2010)
- HRN EN 12663-2:2010 en pr  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila – 2. dio: Teretni vagoni (EN 12663-2:2010)  
Railway applications – Structural requirements of railway vehicle bodies – Part 2: Freight wagons (EN 12663-2:2010)
- HRN EN 13674-4:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 4. dio: Vignoleove željezničke tračnice mase od 27 kg/m do 46 kg/m, isključujući 46 kg/m (EN 13674-4:2006+A1:2009)  
Railway applications – Track – Rail – Part 4: Vignole railway rails from 27 kg/m to, but excluding 46 kg/m (EN 13674-4:2006+A1:2009)
- HRN EN 13803-2:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Parametri za projektiranje geometrije kolosijeka – Širine kolosijeka 1435 mm i više – 2. dio: Skretnice i križišta te druga slična projektna oblikovanja s naglim promjenama zakrivljenosti (EN 13803-2:2006+A1:2009)

Railway applications – Track – Track alignment design parameters – Track gauges 1435 mm and wider – Part 2: Switches and crossings and comparable alignment design situations with abrupt changes of curvature (EN 13803-2:2006+A1:2009)

HRN EN 14811:2010 en pr  
Oprema za željeznice – Željeznički gornji ustroj – Tračnice za posebne namjene – Žljebaste i pridružene konstrukcije (EN 14811:2006+A1:2009)  
Railway applications – Track – Special purpose rail – Grooved and associated construction (EN 14811:2006+A1:2009)

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

HRN EN ISO 179-1:2010 en pr  
Plastika – Određivanje svojstava žilavosti po Charpyju – 1. dio: Ispitivanje žilavosti bez instrumenata (ISO 179-1:2010; EN ISO 179-1:2010)  
Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test (ISO 179-1:2010; EN ISO 179-1:2010)

HRN EN 438-9:2010 en pr  
Visokotlačni dekorativni laminati (HPL) – Ploče na osnovi duromernih smola (uobičajenog naziva laminati) – 9. dio: Razredba i specifikacije za laminata alternativnih jezgri (EN 438-9:2010)  
High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (Usually called Laminates) – Part 9: Classification and specifications for alternative core laminates (EN 438-9:2010)

HRN EN ISO 1628-3:2010 en pr  
Plastika – Određivanje viskoznosti razrijeđenih polimernih otopina kapilarnim viskozimetrom – 3. dio: Polietileni i polipropileni (ISO 1628-3:2010; EN ISO 1628-3:2010)  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 3: Polyethylenes and polypropylenes (ISO 1628-3:2010; EN ISO 1628-3:2010)

HRN EN ISO 2440:2008/A1:2010 en pr  
Savitljivi i kruti pjenasti polimerni materijali – Ispitivanje ubrzanog starenja (ISO 2440:1997/Amd 1:2010; EN ISO 2440:1999/A1:2010)  
Flexible and rigid cellular polymeric materials – Accelerated ageing tests – Amendment 1 (ISO 2440:1997/Amd 1:2010; EN ISO 2440:1999/A1:2010)

HRN EN ISO 3386-1:2008/A1:2010 en pr  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije pod pritiskom – 1. dio: Materijali niske gustoće (ISO 3386-1:1986/Amd 1:2010; EN ISO 3386-1:1997/A1:2010)  
Polymeric materials, cellular flexible – Determination of stress-strain characteristics in compression – Part 1: Low-density materials – Amendment 1 (ISO 3386-1:1986/Amd 1:2010; EN ISO 3386-1:1997/A1:2010)

HRN EN ISO 3386-2:2008/A1:2010 en pr  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije – 2. dio: Materijali visoke gustoće (ISO 3386-2:1997/Amd 1:2010; EN ISO 3386-2:1998/A1:2010)  
Flexible cellular polymeric materials – Determination of stress-strain characteristics in compression – Part 2: High-density materials – Amendment 1 (ISO 3386-2:1997/Amd 1:2010; EN ISO 3386-2:1998/A1:2010)

HRN EN ISO 4080:2010 en pr  
Gumena i plastična crijeva i crijevni pribori – Određivanje plinopropusnosti (ISO 4080:2009; EN ISO 4080:2009)

Rubber and plastics hoses and hose assemblies – Determination of permeability to gas (ISO 4080:2009; EN ISO 4080:2009)

HRN EN ISO 7231:2010 en pr  
Savitljivi pjenasti polimerni materijali – Određivanje protoka zraka pri stalnom padu tlaka (ISO 7231:2010; EN ISO 7231:2010)  
Polymeric materials, cellular, flexible – Determination of air flow value at constant pressure-drop (ISO 7231:2010; EN ISO 7231:2010)

HRN EN 13245-1:2010 en pr  
Plastika – Profili od neomekšanog poli(vinil-klorida) (PVC-U) za primjenu u građevinarstvu – 1. dio: Označavanje PVC-U profila (EN 13245-1:2010)  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications – Part 1: Designation of PVC-U profiles (EN 13245-1:2010)

HRN EN 13245-3:2010 en pr  
Plastika – Profili od neomekšanog poli(vinil-klorida) (PVC-U) za primjenu u građevinarstvu – 3. dio: Označavanje PVC-UE profila (EN 13245-3:2010)  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications – Part 3: Designation of PVC-UE profiles (EN 13245-3:2010)

HRN EN 13765:2010 en pr  
Plastomerna višeslojna neumrežena crijeva i crijevni pribori za prijenos ugljikovodika, otapala i kemikalija – Specifikacija (EN 13765:2010)  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals – Specification (EN 13765:2010)

HRN EN 13766:2010 en pr  
Plastomerna, višeslojna, neumrežena crijeva i crijevni pribori za prijenos ukapljenoga naftnog plina i ukapljenoga prirodnog plina – Specifikacija (EN 13766:2010)  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas – Specification (EN 13766:2010)

HRN EN 15836-1:2010 en pr  
Plastika – Membrane od omekšanog poli(vinil-klorida) (PVC-P) za ukopane bazene – 1. dio: Homogene membrane nominalne debljine jednake 0,75 mm ili veće (EN 15836-1:2010)  
Plastics – Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools – Part 1: Homogenous membranes of nominal thickness equal to or greater than 0,75 mm (EN 15836-1:2010)

HRN EN 15836-2:2010 en pr  
Plastika – Membrane od omekšanog polivinil-klorida (PVC-P) za ukopane bazene – 2. dio: Ojačane membrane nominalne debljine jednake 1,5 mm ili veće (EN 15836-2:2010)  
Plastics – Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools – Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm (EN 15836-2:2010)

HRN EN 15860:2010 en pr  
Plastika – Plastomerni poluproizvodi za strojnu obradu – Zahtjevi i metode ispitivanja (EN 15860:2010)  
Plastics – Thermoplastic semi-finished products for machining – Requirements and test methods (EN 15860:2010)

HRI CEN/TR 15932:2010 en pr  
Plastika – Preporuka za nazivlje i karakterizaciju biopolimera i bioplastike (CEN/TR 15932:2010)  
Plastics – Recommendation for terminology and characterisation of biopolymers and bioplastics (CEN/TR 15932:2010)

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

HRN EN 14116:2010 en pr  
Spremnici za prijevoz opasnih tvari – Digitalni međusklop uređaja za prepoznavanje proizvoda (EN 14116:2007+A2:2010)  
Tanks for transport of dangerous goods – Digital interface for the product recognition device (EN 14116:2007+A2:2010)

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

HRN EN 1744-1:2010 en pr  
Ispitivanja kemijskih svojstava agregata – 1. dio: Kemijska analiza (EN 1744-1:2009)  
Tests for chemical properties of aggregates – Part 1: Chemical analysis (EN 1744-1:2009)

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

HRN EN ISO 286-2:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – ISO-ov kodni sustav za tolerancije linearnih izmjera – 2. dio: Tablice normiranih razreda tolerancija i graničnih odstupanja za provrte i rukavce (ISO 286-2:2010; EN ISO 286-2:2010)  
Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts (ISO 286-2:2010; EN ISO 286-2:2010)

HRN EN ISO 463:2008/Ispr.1:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema – Konstrukcija i mjerne karakteristike mjerila s mehaničkim pokazivačem (ISO 463:2006/Cor 1:2007/Cor 2:2009; EN ISO 463:2006/AC:2009)  
Geometrical Product Specifications (GPS) – Dimensional measuring equipment – Design and metrological characteristics of mechanical dial gauges (ISO 463:2006/Cor 1:2007/Cor 2:2009; EN ISO 463:2006/AC:2009)

HRN EN ISO 3650:2008/Ispr.1:2010 en pr  
Geometrijske specifikacije proizvoda (GSP) – Etaloni duljine – Planparalelne granične mjerke (ISO 3650:1998/Cor 1:2008; EN ISO 3650:1998/AC:2009)  
Geometrical product specifications (GPS) – Length standards – Gauge blocks (ISO 3650:1998/Cor 1:2008; EN ISO 3650:1998/AC:2009)

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

HRN EN 15650:2010 en pr  
Ventilacija u zgradama – Protupožarne zaklopke (EN 15650:2010)  
Ventilation for buildings – Fire dampers (EN 15650:2010)

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

HRN EN ISO 105-D01:2010 en pr  
Tekstil – Ispitivanje postojanosti obojenja – Dio D01: Postojanost obojenja pri čišćenju tetrakloretilenom (ISO 105-D01:2010; EN ISO 105-D01:2010)  
Textiles – Tests for colour fastness – Part D01: Colour fastness to dry cleaning using perchloroethylene solvent (ISO 105-D01:2010; EN ISO 105-D01:2010)

HRN EN ISO 1833-1:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 1. dio: Opća načela ispitivanja (ISO 1833-1:2006, including Cor 1:2009; EN ISO 1833-1:2010)

Textiles – Quantitative chemical analysis – Part 1: General principles of testing (ISO 1833-1:2006, including Cor 1:2009; EN ISO 1833-1:2010)

HRN EN ISO 1833-2:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 2. dio: Trokomponentne mješavine vlakana (ISO 1833-2:2006; EN ISO 1833-2:2010)

Textiles – Quantitative chemical analysis – Part 2: Ternary fibre mixtures (ISO 1833-2:2006; EN ISO 1833-2:2010)

HRN EN ISO 1833-3:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 3. dio: Mješavine acetatnih i određenih drugih vlakana (metoda s uporabom acetona) (ISO 1833-3:2006; EN ISO 1833-3:2010)

Textiles – Quantitative chemical analysis – Part 3: Mixtures of acetate and certain other fibres (method using acetone) (ISO 1833-3:2006; EN ISO 1833-3:2010)

HRN EN ISO 1833-4:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 4. dio: Mješavine određenih proteinskih i određenih drugih vlakana (metoda s uporabom hipoklorita) (ISO 1833-4:2006; EN ISO 1833-4:2010)

Textiles – Quantitative chemical analysis – Part 4: Mixtures of certain protein and certain other fibres (method using hypochlorite) (ISO 1833-4:2006; EN ISO 1833-4:2010)

HRN EN ISO 1833-5:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 5. dio: Mješavine viskoznog, bakrenog ili modalnog vlakna s pamukom (metoda s uporabom natrij-tetrahidroksidocinkata) (ISO 1833-5:2006; EN ISO 1833-5:2010)

Textiles – Quantitative chemical analysis – Part 5: Mixtures of viscose, cupro or modal and cotton fibres (method using sodium zincate) (ISO 1833-5:2006; EN ISO 1833-5:2010)

HRN EN ISO 1833-6:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 6. dio: Mješavine viskoznog vlakna ili određenih tipova bakrenih, modalnih ili liocelnih vlakana s pamukom (metoda s uporabom mravlje kiseline i cink-klorida) (ISO 1833-6:2007; EN ISO 1833-6:2010)

Textiles – Quantitative chemical analysis – Part 6: Mixtures of viscose or certain types of cupro or modal or lyocell and cotton fibres (method using formic acid and zinc chloride) (ISO 1833-6:2007; EN ISO 1833-6:2010)

HRN EN ISO 1833-7:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 7. dio: Mješavine poliamidnih i određenih ostalih vlakana (metoda s uporabom mravlje kiseline) (ISO 1833-7:2006; EN ISO 1833-7:2010)

Textiles – Quantitative chemical analysis – Part 7: Mixtures of polyamide and certain other fibres (method using formic acid) (ISO 1833-7:2006; EN ISO 1833-7:2010)

HRN EN ISO 1833-8:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 8. dio: Mješavine acetatnih i triacetatnih vlakana (metoda s uporabom acetona) (ISO 1833-8:2006; EN ISO 1833-8:2010)

Textiles – Quantitative chemical analysis – Part 8: Mixtures of acetate and triacetate fibres (method using acetone) (ISO 1833-8:2006; EN ISO 1833-8:2010)

HRN EN ISO 1833-9:2010 en pr  
Tekstil – Kvantitativna kemijska analiza – 9. dio: Mješavine acetatnih i triacetatnih vlakana (metoda s uporabom benzilnog alkohola) (ISO 1833-9:2006; EN ISO 1833-9:2010)

Textiles – Quantitative chemical analysis – Part 9: Mixtures of acetate and triacetate fibres (method using benzyl alcohol) (ISO 1833-9:2006; EN ISO 1833-9:2010)

HRN EN ISO 1833-10:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 10. dio: Mješavine triacetatnih ili polilaktidnih vlakana s određenim drugim vlaknima (metoda s uporabom diklormetana) (ISO 1833-10:2006; EN ISO 1833-10:2010)  
 Textiles – Quantitative chemical analysis – Part 10: Mixtures of triacetate or polylactide and certain other fibres (method using dichloromethane) (ISO 1833-10:2006; EN ISO 1833-10:2010)

HRN EN ISO 1833-11:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 11. dio: Mješavine celuloznih i poliesterskih vlakana (metoda s uporabom sulfatne kiseline) (ISO 1833-11:2006; EN ISO 1833-11:2010)  
 Textiles – Quantitative chemical analysis – Part 11: Mixtures of cellulose and polyester fibres (method using sulfuric acid) (ISO 1833-11:2006; EN ISO 1833-11:2010)

HRN EN ISO 1833-12:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 12. dio: Mješavine akrilnih, određenih modakrilnih, klornih, elastanskih vlakana s drugim određenim vlaknima (metoda s uporabom dimetilformamida) (ISO 1833-12:2006; EN ISO 1833-12:2010)  
 Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes and certain other fibres (method using dimethylformamide) (ISO 1833-12:2006; EN ISO 1833-12:2010)

HRN EN ISO 1833-13:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 13. dio: Mješavine određenih klornih vlakana s drugim određenim vlaknima (metoda s uporabom ugljik-disulfida/acetona) (ISO 1833-13:2006; EN ISO 1833-13:2010)  
 Textiles – Quantitative chemical analysis – Part 13: Mixtures of certain chlorofibres and certain other fibres (method using carbon disulfide/acetone) (ISO 1833-13:2006; EN ISO 1833-13:2010)

HRN EN ISO 1833-14:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 14. dio: Mješavine acetatnih vlakana s određenim klornim vlaknima (metoda s uporabom octene kiseline) (ISO 1833-14:2006; EN ISO 1833-14:2010)  
 Textiles – Quantitative chemical analysis – Part 14: Mixtures of acetate and certain chlorofibres (method using acetic acid) (ISO 1833-14:2006; EN ISO 1833-14:2010)

HRN EN ISO 1833-15:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 15. dio: Mješavine jute i određenih životinjskih vlakana (metoda određivanja sadržaja dušika) (ISO 1833-15:2006; EN ISO 1833-15:2010)  
 Textiles – Quantitative chemical analysis – Part 15: Mixtures of jute and certain animal fibres (method by determining nitrogen content) (ISO 1833-15:2006; EN ISO 1833-15:2010)

HRN EN ISO 1833-16:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 16. dio: Mješavine polipropilenskih i određenih drugih vlakana (metoda s uporabom ksilena) (ISO 1833-16:2006; EN ISO 1833-16:2010)  
 Textiles – Quantitative chemical analysis – Part 16: Mixtures of polypropylene fibres and certain other fibres (method using xylene) (ISO 1833-16:2006; EN ISO 1833-16:2010)

HRN EN ISO 1833-17:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 17. dio: Mješavine klornih (homopolimeri vinil-klorida) i određenih drugih vlakana (metoda s uporabom sulfatne kiseline) (ISO 1833-17:2006; EN ISO 1833-17:2010)

Textiles – Quantitative chemical analysis – Part 17: Mixtures of chlorofibres (homopolymers of vinyl chloride) and certain other fibres (method using sulfuric acid) (ISO 1833-17:2006; EN ISO 1833-17:2010)

HRN EN ISO 1833-18:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 18. dio: Mješavine svile i vune ili dlaka (metoda s uporabom sulfatne kiseline) (ISO 1833-18:2006; EN ISO 1833-18:2010)  
 Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk and wool or hair (method using sulfuric acid) (ISO 1833-18:2006; EN ISO 1833-18:2010)

HRN EN ISO 1833-19:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 19. dio: Mješavine celuloznih vlakana i azbestnih vlakana (metoda grijanjem) (ISO 1833-19:2006; EN ISO 1833-19:2010)  
 Textiles – Quantitative chemical analysis – Part 19: Mixtures of cellulose fibres and asbestos (method by heating) (ISO 1833-19:2006; EN ISO 1833-19:2010)

HRN EN ISO 1833-20:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 20. dio: Mješavine elastanskih vlakana i određenih drugih vlakana (metoda s uporabom dimetilacetamida) (ISO 1833-20:2009; EN ISO 1833-20:2010)  
 Textiles – Quantitative chemical analysis – Part 20: Mixtures of elastane and certain other fibres (method using dimethylacetamide) (ISO 1833-20:2009; EN ISO 1833-20:2010)

HRN EN ISO 1833-21:2010 en pr  
 Tekstil – Kvantitativna kemijska analiza – 21. dio: Mješavine klornih, određenih modakrilnih, određenih elastanskih, acetatnih, triacetatnih vlakana s drugim određenim vlaknima (metoda s uporabom cikloheksanona) (ISO 1833-21:2006; EN ISO 1833-21:2010)  
 Textiles – Quantitative chemical analysis – Part 21: Mixtures of chlorofibres, certain modacrylics, certain elastanes, acetates, triacetates and certain other fibres (method using cyclohexanone) (ISO 1833-21:2006; EN ISO 1833-21:2010)

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

HRN EN 12817:2010 en pr  
 Oprema i pribor za UNP – Pregled i ponovno potvrđivanje spremnika za UNP do uključivo 13 m<sup>3</sup> (EN 12817:2010)  
 LPG Equipment and accessories – Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> (EN 12817:2010)

HRN EN 12819:2010 en pr  
 Oprema i pribor za UNP – Pregled i ponovno potvrđivanje spremnika za UNP kapaciteta većeg od 13 m<sup>3</sup> (EN 12819:2009)  
 LPG equipment and accessories – Inspection and requalification of LPG tanks greater than 13 m<sup>3</sup> (EN 12819:2009)

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

HRN EN ISO 4498:2010 en pr  
 Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness (ISO 4498:2010; EN ISO 4498:2010)

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

HRN EN ISO 12215-8:2010 en pr  
 Small craft – Hull construction and scantlings – Part 8: Rudders (ISO 12215-8:2009; EN ISO 12215-8:2009)

HRN EN ISO 12215-8:2010/Ispr.1:2010 en pr  
Small craft – Hull construction and scantlings – Part 8:  
Rudders – Technical Corrigendum 1  
(ISO 12215-8:2009/Cor 1:2010;  
EN ISO 12215-8:2009/AC:2010)

## 1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 163/03) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN Glasilo). Nacrti su hrvatskih norma zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

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

nHRN ISO 1382 hr pp  
Guma – Terminološki rječnik (ISO 1382:2008)  
Rubber – Vocabulary (ISO 1382:2008)

## 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 Glasilo).

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

prEN ISO 15320 en  
Pulp, paper and board – Determination of pentachlorophenol in an aqueous extract  
(ISO/DIS 15320:2010)  
Pulpa, papir i karton – Određivanje pentaklorofenola (PCP) u vodenome ekstraktu (ISO/DIS 15320:2010)

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

ISO 3779:2009 en  
Road vehicles – Vehicle identification number (VIN) – Content and structure  
Cestovna vozila – Identifikacijska oznaka vozila – Sadržaj i građa

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

EN 15944:2010 en  
Liquid petroleum products – Determination of nickel and vanadium content – Inductively coupled plasma optical emission spectrometry method (ICP OES)  
Tekući naftni proizvodi – Određivanje sadržaja nikla i vanadija – Metoda optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP OES)

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

BAS 1049:2010 bs  
Halal food – Requirements and measures  
Halal hrana – Zahtjevi i mjere

## HZN/TO 37, *Terminologija*

- ISO 639-1:2002 en  
Codes for the representation of names of languages – Part 1: Alpha-2 code  
Kodovi za prikaz naziva jezika – 1. dio: Kôd alfa-2
- ISO 639-2:1998 en  
Codes for the representation of names of languages – Part 2: Alpha-3 code  
Kodovi za prikaz naziva jezika – 2. dio: Kôd alfa-3
- ISO 639-3:2007 en  
Codes for the representation of names of languages – Part 3: Alpha-3 code for comprehensive coverage of languages  
Kodovi za prikaz naziva jezika – 3. dio: Kôd alfa-3 za opsežni obuhvat jezika
- ISO 639-4:2010 en  
Codes for the representation of names of languages – Part 4: General principles of coding of the representation of names of languages and related entities, and application guidelines  
Kodovi za prikaz naziva jezika – 4. dio: Opća načela kodiranja prikaza naziva jezika i srodnih objekata uz smjernice za primjenu
- ISO 639-5:2008 en  
Codes for the representation of names of languages – Part 5: Alpha-3 code for language families and groups  
Kodovi za prikaz naziva jezika – 5. dio: Kôd alfa-3 za porodice i skupine jezika
- ISO 639-6:2009 en  
Codes for the representation of names of languages – Part 6: Alpha-4 code for comprehensive coverage of language variants  
Kodovi za prikaz naziva jezika – 6. dio: Kôd alfa-4 za opsežni obuhvat jezičnih varijanti
- ISO 704:2009 en  
Terminology work – Principles and methods  
Terminološki rad – Načela i metode
- ISO 860:2007 en  
Terminology work – Harmonization of concepts and terms  
Terminološki rad – Usklađivanje pojmova i naziva
- ISO 1087-1:2000 en  
Terminology work – Vocabulary – Part 1: Theory and application  
Terminološki rad – Terminološki rječnik – 1. dio: Teorija i primjena
- ISO 1087-2:2000 en  
Terminology work – Vocabulary – Part 2: Computer applications  
Terminološki rad – Terminološki rječnik – 2. dio: Primjena računala
- ISO 1951:2007 en  
Lexicographical symbols and typographical conventions for use in terminography  
Leksikografski simboli i tipografske konvencije za uporabu u terminografiji
- ISO 10241:1992 en  
International terminology standards – Preparation and layout  
Međunarodne terminološke norme – Priprema i strukturni razmještaj
- ISO 12199:2000 en  
Alphabetical ordering of multilingual terminological and lexicographical data represented in the Latin alphabet  
Abecedni redoslijed višejezičnih terminoloških i leksikografskih podataka prikazanih latiničnom abecedom

- ISO 12200:1999 en  
Computer applications in terminology – Machine-readable terminology interchange format (MARTIF) – Negotiated interchange  
Primjena računala u terminologiji – Format za strojno čitljivu razmjenu nazivlja (MARTIF) – Dogovorena razmjena
- ISO 12615:2004 en  
Bibliographic references and source identifiers for terminology work  
Bibliografske referencije i identifikatori izvora za terminološki rad
- ISO 12616:2002 en  
Translation-oriented terminography  
Terminografija usmjerena na prevodenje
- ISO 12620:2009 en  
Terminology and other language and content resources – Specification of data categories and management of a Data Category Registry for language resources  
Terminologija i drugi jezični i sadržajni izvori – Specifikacija kategorija podataka i upravljanje registrom kategorija podataka za jezične izvore
- ISO 15188:2001 en  
Project management guidelines for terminology standardization  
Smjernice za upravljanje projektom pri normizaciji terminologije
- ISO 16642:2003 en  
Computer applications in terminology – Terminological markup framework  
Primjena računala u terminologiji – Okvir za terminološko obilježavanje
- ISO 22128:2008 en  
Terminology products and services – Overview and guidance  
Terminološki proizvodi i usluge – Pregled i upute
- ISO/TR 22134:2007 en  
Practical guidelines for socioterminology  
Praktične smjernice za socioterminologiju
- ISO 23185:2009 en  
Assessment and benchmarking of terminological resources – General concepts, principles and requirements  
Procjena i sustavno uspoređivanje terminoloških izvora – Opći pojmovi, načela i zahtjevi
- ISO/TR 24156:2008 en  
Guidelines for using UML notation in terminology work  
Smjernice za upotrebu oznaka UML-a u terminološkom radu
- ISO 24610-1:2006 en  
Language resource management – Feature structures – Part 1: Feature structure representation  
Upravljanje jezičnom građom – Strukture obilježja – 1. dio: Prikaz strukture obilježja
- ISO 24613:2008 en  
Language resource management – Lexical markup framework (LMF)  
Upravljanje jezičnom građom – Okvir leksičkog obilježavanja
- ISO 29383:2010 en  
Terminology policies – Development and implementation  
Terminološke politike – Razvoj i primjena
- ISO 30042:2008 en  
Systems to manage terminology, knowledge and content – TermBase eXchange (TBX)  
Sustavi upravljanja terminologijom, znanjem i sadržajem – TermBase eXchange (TBX)

## HZN/TO 44, Zavarivanje i srodni postupci

- FprEN ISO 6947 en  
Welding and allied processes – Welding positions (ISO/FDIS 6947:2010)  
Zavarivanje i srodni postupci – Položaji pri zavarivanju (ISO/FDIS 6947:2010)
- EN ISO 7291:2010 en  
Gas welding equipment – Pressure regulators for manifold systems used in welding, cutting and allied processes up to 30 MPa (300 bar) (ISO 7291:2010)  
Oprema za plinsko zavarivanje – Regulatori tlaka za razdjelne sustave koji se upotrebljavaju pri zavarivanju, rezanju i srodnim postupcima do tlaka 30 MPa (300 bar) (ISO 7291:2010)
- EN ISO 14171:2010 en  
Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification (ISO 14171:2010)  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, žice punjene praškom i kombinacije žica/prašak za elektrolučno zavarivanje pod praškom nelegiranih čelika i sitnozrnatih čelika – Razredba (ISO 14171:2010)
- FprEN ISO 14921 en  
Thermal spraying – Procedures for the application of thermally sprayed coatings for engineering components (ISO/FDIS 14921:2010)  
Toplinsko naštrecavanje – Postupci za primjenu toplinsko naštrecanih prevlaka za strojarske komponente (ISO/FDIS 14921:2010)
- EN ISO 17633:2010 en  
Welding consumables – Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels – Classification (ISO 17633:2010)  
Dodatni i potrošni materijali za zavarivanje – Žice punjene praškom i šipke za elektrolučno zavarivanje sa zaštitom plina i bez zaštite plina za nehrđajuće čelike i čelike otporne na visoke temperature – Razredba (ISO 17633:2010)
- EN ISO 24034:2010 en  
Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of titanium and titanium alloys – Classification (ISO 24034:2010)  
Dodatni i potrošni materijali za zavarivanje – Elektrode od pune žice, pune žice i šipke za zavarivanje taljenjem titana i titanovih legura – Razredba (ISO 24034:2010)

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

- FprEN 16147 en  
Heat pumps with electrically driven compressors – Testing and requirements for marking for domestic hot water units

## HZN/TO 92, Zaštita od požara

- EN 15254-5:2009 en  
Extended application of results from fire resistance tests – Non-loadbearing walls – Part 5: Metal sandwich panel construction  
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi zidovi – 5. dio: Konstrukcija metalnih sendvič panela

## HZN/TO 135, Nerazorna ispitivanja

- FprEN 13554 en  
Non-destructive testing – Acoustic emission testing – General principles  
Nerazorno ispitivanje – Ispitivanje akustičkom emisijom – Opća načela

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

FprCEN/TR 852 en

Plastics piping systems for the transport of water intended for human consumption – Migration assessment – Guidance on the interpretation of laboratory derived migration values

Plastični cijevni sustavi za transport vode namijenjene za ljudsku uporabu – Procjena migracije – Upute za tumačenje laboratorijski izvedenih vrijednosti migracija

EN 1447:2009+A1:2010 en

Plastics piping systems – Glass-reinforced thermo-setting plastics (GRP) pipes – Determination of long-term resistance to internal pressure

Plastični cijevni sustavi – Staklom ojačane duromerne (GRP) cijevi – Određivanje dugotrajne otpornosti na unutrašnji tlak

EN ISO 1452-3:2010 en

Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 3: Fittings (ISO 1452-3:2009, corrected version 2010-03-01)

Plastični tlačni cijevni sustavi za opskrbu vodom te za podzemnu i nadzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U) – 3. dio: Spojnice (ISO 1452-3:2009, ispravljena verzija 2010-03-01)

EN ISO 1452-5:2010 en

Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 5: Fitness for purpose of the system (ISO 1452-5:2009, corrected version 2010-03-01)

Plastični tlačni cijevni sustavi za opskrbu vodom te za podzemnu i nadzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U) – 5. dio: Prikladnost sustava za uporabu (ISO 1452-5:2009, ispravljena verzija 2010-03-01)

EN 1555-1:2010 en

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 1: General

Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 1. dio: Općenito

EN 1555-2:2010 en

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 2: Pipes

Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 2. dio: Cijevi

EN 1555-3:2010 en

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 3: Fittings

Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 3. dio: Spojnice

EN 1555-5:2010 en

Plastics piping systems for the supply of gaseous fuels – Polyethylene (PE) – Part 5: Fitness for purpose of the system

Plastični cijevni sustavi za opskrbu plinovitim gorivima – Polietilen (PE) – 5. dio: Prikladnost sustava za uporabu

EN ISO 11295:2010 en

Classification and information on design of plastics piping systems used for renovation (ISO 11295:2010)

Razredba i obavijesti o oblikovanju plastičnih cijevnih sustava namijenjenih za obnavljanje (ISO 11295:2010)

CEN/TR 15729:2010 en

Plastics piping systems – Glass-reinforced thermo-setting plastics (GRP) based on unsaturated polyester resin (UP) – Report on the determination of mean abrasion after a defined number of test cycles

Plastični cijevni sustavi – Staklom ojačani duromeri (GRP) na osnovi nezasićenih poliesterskih smola (UP) – Izvešće o određivanju prosječnog trošenja nakon određenog broja ispitnih ciklusa

EN 16000:2010 en

Plastics piping systems – Systems within the building structure – Mounting and fixing of components in the test apparatus to thermal attack by a single burning item

Plastični cijevni sustavi – Sustavi unutar građevinskih konstrukcija – Ugradnja i pričvršćivanje sastavnica u ispitnom uređaju za toplinsko razaranje pojedinačnim izgaranjem predmeta

## **HZN/TO 146, *Kakvoća zraka***

EN 15483:2008 en

Ambient air quality – Atmospheric measurements near ground with FTIR spectroscopy

Kvaliteta vanjskog zraka – Atmosferska mjerenja blizu tla uporabom FTIR spektroskopije

EN 15859:2010 en

Air Quality – Certification of automated dust arrestment plant monitors for use on stationary sources – Performance criteria and test procedures

Kvaliteta zraka – Certificiranje automatskih monitora na uređajima za uklanjanje prašine iz stacionarnih izvora – Izvedbeni kriteriji i postupci ispitivanja

EN ISO 23210:2009 en

Stationary source emissions – Determination of PM10/PM2,5 mass concentration in flue gas – Measurement at low concentrations by use of impactors (ISO 23210:2009)

Emisije iz stacionarnih izvora – Određivanje masene koncentracije PM10/PM2,5 u otpadnom plinu – Mjerenje niskih koncentracija uporabom impaktora (ISO 23210:2009)

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

EN ISO 14004:2010 en

Environmental management systems – General guidelines on principles, systems and support techniques (ISO 14004:2004)

Sustavi upravljanja okolišem – Opće smjernice o načelima, sustavima i podržavajućim tehnikama (ISO 14004:2004)

EN ISO 14015:2010 en

Environmental management – Environmental assessment of sites and organizations (EASO) (ISO 14015:2001)

Upravljanje okolišem – Procjena okoliša lokacije i organizacije (ISO 14015:2001)

EN ISO 14025:2010 en

Environmental labels and declarations – Type III environmental declarations – Principles and procedures (ISO 14025:2006)

Oznake i izjave za područje okoliša – Izjave o okolišu tip III – Načela i postupci (ISO 14025:2006)

EN ISO 14050:2010 en

Environmental management – Vocabulary (ISO 14050:2009)

Upravljanje okolišem – Rječnik (ISO 14050:2009)

EN ISO 14063:2010 en

Environmental management – Environmental communication – Guidelines and examples (ISO 14063:2006)

Upravljanje okolišem – Komunikacija o okolišu – Smjernice i primjeri (ISO 14063:2006)

## HZN/TO 503, *Metalni materijali*

- EN ISO 6719:2010 en  
Anodizing of aluminium and its alloys — Measurement of reflectance characteristics of aluminium surfaces using integrating-sphere instruments (ISO 6719:2010)  
Anodizacija aluminija i aluminijevih legura — Mjerenje refleksijskih svojstava aluminijevih površina uređajem s integrirajućom kuglom (ISO 6719:2010)
- EN ISO 7668:2010 en  
Anodizing of aluminium and its alloys — Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees (ISO 7668:2010)  
Anodizacija aluminija i aluminijevih legura — Mjerenje direktne refleksije i direktnog odsjaja prevlaka dobivenih anodnom oksidacijom pod kutovima od 20°, 45°, 60° ili 85° (ISO 7668:2010)
- EN 10029:2010 en  
Hot-rolled steel plates 3 mm thick or above — Tolerances on dimensions and shape  
Toplo valjani čelični limovi debljine 3 mm ili više — Dopuštena odstupanja dimenzija i oblika
- EN 10051:2010 en  
Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels — Tolerances on dimensions and shape  
Neprekinuta, toplo valjana traka i ploča/lim izrezana iz široke trake od nelegiranih i legiranih čelika — Dopuštena odstupanja dimenzija i oblika
- EN ISO 15630-1:2010 en  
Steel for the reinforcement and prestressing of concrete — Test methods — Part 1: Reinforcing bars, wire rod and wire (ISO 15630-1:2010)  
Čelik za armiranje i prednapinjanje betona — Metode ispitivanja — 1. dio: Armaturne šipke, valjana žica i žica (ISO 15630-1:2010)
- EN ISO 15630-2:2010 en  
Steel for the reinforcement and prestressing of concrete — Test methods — Part 2: Welded fabric (ISO 15630-2:2010)  
Čelik za armiranje i prednapinjanje betona — Metode ispitivanja — 2. dio: Zavarene mreže (ISO 15630-2:2010)
- EN ISO 15630-3:2010 en  
Steel for the reinforcement and prestressing of concrete — Test methods — Part 3: Prestressing steel (ISO 15630-3:2010)  
Čelik za armiranje i prednapinjanje betona — Metode ispitivanja — 3. dio: Čelik za prednapinjanje (ISO 15630-3:2010)

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

- FprEN ISO 3613 en  
Metallic and other inorganic coatings — Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys — Test methods (ISO/FDIS 3613:2010)  
Metalne i druge anorganske prevlake — Kromatne konverzijske prevlake na cinku, kadmiju, aluminij-cink legurama i cink-aluminij legurama — Metode ispitivanja (ISO/FDIS 3613:2010)
- FprEN ISO 4534 en  
Vitreous and porcelain enamels — Determination of fluidity behaviour — Fusion flow test (ISO/FDIS 4534:2010)  
Staklasti i porculanski emajli — Određivanje ponašanja fluidnosti — Ispitivanje fuzijskog protoka (ISO/FDIS 4534:2010)
- FprEN ISO 28721-1 en  
Vitreous and porcelain enamels — Glass-lined apparatus for process plants — Part 1: Quality requirements for apparatus, components, appliances and accessories (ISO 28721-1:2008)

Staklasti i porculanski emajli — Staklasto prevučeni uređaji za procesna postrojenja — 1. dio: Zahtjevi za kvalitetu za uređaje, dijelove, aparate i pribor (ISO 28721-1:2008)

- FprEN ISO 28721-2 en  
Vitreous and porcelain enamels — Glass-lined apparatus for process plants — Part 2: Designation and specification of resistance to chemical attack and thermal shock (ISO 28721-2:2008)  
Staklasti i porculanski emajli — Staklasto prevučeni uređaji za procesna postrojenja — 2. dio: Označavanje i specifikacija otpornosti na kemijsko djelovanje i toplinski šok (ISO 28721-2:2008)
- FprEN ISO 28721-3 en  
Vitreous and porcelain enamels — Glass-lined apparatus for process plants — Part 3: Thermal shock resistance (ISO 28721-3:2008)  
Staklasti i porculanski emajli — Staklasto prevučeni uređaji za procesna postrojenja — 3. dio: Otpornost na toplinski šok (ISO 28721-3:2008)
- FprEN ISO 28722 en  
Vitreous and porcelain enamels — Characteristics of enamel coatings applied to steel panels intended for architecture (ISO 28722:2008)  
Staklasti i porculanski emajli — Značajke prevlaka emajla nanesenih na čelične ploče za primjenu u arhitekturi (ISO 28722:2008)
- FprEN ISO 28723 en  
Vitreous and porcelain enamels — Determination of the edge covering on enamelled steel plate to be used in heat exchangers (ISO 28723:2008)  
Staklasti i porculanski emajli — Određivanje pokrivenosti ruba emajliranog čeličnog lima koji se upotrebljava u izmjenjivačima topline (ISO 28723:2008)
- FprEN ISO 28763 en  
Vitreous and porcelain enamels — Regenerative, enamelled and packed panels for air-gas and gas-gas heat exchangers — Specifications (ISO 28763:2008)  
Staklasti i porculanski emajli — Obnovljive, emajlirane i pakirane obloge za zračno-plinske i plinsko-plinske izmjenjivače topline — Specifikacije (ISO 28763:2008)
- FprEN ISO 28764 en  
Vitreous and porcelain enamels — Production of specimens for testing enamels on sheet steel, sheet aluminium and cast iron (ISO 28764:2008)  
Staklasti i porculanski emajli — Proizvodnja uzoraka za ispitivanje emajla na limovima od čelika, limovima od aluminija i željeznog lijeva (ISO 28764:2008)
- FprEN ISO 28765 en  
Vitreous and porcelain enamels — Design of bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges (ISO 28765:2008)  
Staklasti i porculanski emajli — Projektiranje vijcima spojenih čeličnih spremnika za skladištenje ili obradu voda ili komunalnih ili industrijskih ispusta i muljeva (ISO 28765:2008)
- HZN/TO 522, *Karakterizacija i zbrinjavanje otpada***
- FprCEN/TS 15863 en  
Characterisation of waste — Leaching behaviour test for basic characterisation — Dynamic Monolithic Leaching Test with periodic leachant renewal, under fixed test conditions  
Karakterizacija otpada — Ispitivanje ponašanja izluživanja za osnovnu karakterizaciju — Dinamička monolitna provjera izluživanja s periodičkom obnovom lužine pod stalnim ispitnim uvjetima
- FprCEN/TS 15864 en  
Characterisation of waste — Leaching behaviour test for basic characterisation — Dynamic Monolithic Leaching Test with continuous leachant renewal under conditions relevant for specified scenario(s)



Karakterizacija otpada – Ispitivanje ponašanja izluživanja za osnovnu karakterizaciju – Dinamička monolitna provjera izluživanja sa stalnom obnovom lužine pod uvjetima bitnim za određeni scenarij(e)

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

- prEN ISO 1133-1 en  
Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 1: Standard method (ISO/DIS 1133-1:2010)  
Plastika – Određivanje brzine masenog protoka taline (MFR) i volumne brzine taline (MVR) plastomera – 1. dio: Standardna metoda (ISO/DIS 1133-1:2010)
- prEN ISO 1133-2 en  
Plastics – Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics – Part 2: Method for materials sensitive to time-temperature history and/or moisture (ISO/DIS 1133-2:2010)  
Plastika – Određivanje brzine masenog protoka taline (MFR) i volumne brzine taline (MVR) plastomera – 2. dio: Metode za materijale osjetljive na vremensko-temperaturnu prošlost i/ili vlagu (ISO/DIS 1133-2:2010)
- prEN ISO 30013 en  
Rubber and plastics hoses – Methods of exposure to laboratory light sources – Determination of changes in colour, appearance and other physical properties (ISO/DIS 30013:2010)  
Gumena i plastična crijeva – Metode izlaganja laboratorijskim izvorima svjetla – Određivanje promjena boje, izgleda i drugih fizikalnih svojstava (ISO/DIS 30013:2010)

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

- FprEN 13044-1 en  
Intermodal Loading Units – Marking – Part 1: Markings for identification  
Intermodalne teretne jedinice – Označivanje – 1. dio: Oznake za identifikaciju
- FprEN 13044-2 en  
Intermodal Loading Units – Marking – Part 2: Markings of swap bodies related to rail operation  
Intermodalne teretne jedinice – Označivanje – 2. dio: Oznake izmjenjivih kamionskih sanduka za željeznički promet
- FprEN 13044-3 en  
Intermodal Loading Units – Marking – Part 3: Markings of semi-trailers related to rail operation  
Intermodalne teretne jedinice – Označivanje – 3. dio: Oznake kamionskih poluprikolica za željeznički promet
- EN 13341:2005/FprA1 en  
Static thermoplastic tanks for above ground storage of domestic heating oils, kerosene and diesel fuels – Blow moulded and rotationally moulded polyethylene tanks and rotationally moulded tanks made of anionically polymerized polyamide 6 – Requirements and test methods  
Nepokretni termoplastični spremnici za nadzemno skladištenje lož ulja za domaćinstvo, kerozinskog i dizelskog goriva – Polietilenski spremnici proizvedeni upuhivanjem u kalupe i centrifugalnim lijevanjem te spremnici dobiveni centrifugalnim lijevanjem anionskog polimerizacijskog poliamida 6 – Zahtjevi i metode ispitivanja

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

- ISO 128-1:2003 en  
Technical drawings – General principles of presentation – Part 1: Introduction and index  
Tehnički crteži – Osnovna načela prikazivanja – 1. dio: Uvod i kazalo
- EN ISO 286-1:2010 en  
Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 1: Basis of tolerances, deviations and fits (ISO 286-1:2010)  
Geometrijske specifikacije proizvoda (GSP) – ISO-ov kodni sustav za tolerancije linearnih izmjera – 1. dio: Osnove tolerancija, odstupanja i dosjeda (ISO 286-1:2010)
- ISO 3040:2009 en  
Geometrical product specifications (GPS) – Dimensioning and tolerancing – Cones  
Geometrijske specifikacije proizvoda (GSP) – Kotiranje i tolerancije – Stošci
- EN ISO 3611:2010 en  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Micrometers for external measurements – Design and metrological characteristics (ISO 3611:2010)  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema: mikrometri za vanjska mjerenja – Konstrukcija i mjerne karakteristike (ISO 3611:2010)
- EN ISO 4287:1998/A1:2009 en  
Geometrical Product Specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters – Amendment 1: Peak count number (ISO 4287:1997/Amd 1:2009)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Metoda snimanja profila – Nazivlje, definicije i parametri teksture površine – Amandman 1: Broj izbrojenih izbočina (ISO 4287:1997/Amd 1:2009)
- EN ISO 5457:1999/A1:2010 en  
Technical product documentation – Sizes and layout of drawing sheets – Amendment 1 (ISO 5457:1999/Amd 1:2010)  
Tehnička dokumentacija proizvoda – Veličine i oprema araka za crtanje – Amandman 1 (ISO 5457:1999/Amd 1:2010)
- FprEN ISO 8015 en  
Geometrical product specifications (GPS) – Fundamentals – Concepts, principles and rules (ISO/FDIS 8015:2010)  
Geometrijske specifikacije proizvoda (GSP) – Osnove – Pojmovi, načela i pravila (ISO/FDIS 8015:2010)
- ISO 9180:1988 en  
Black leads for wood-cased pencils – Classification and diameters  
Grafitne mine za drvene olovke – Razredba i promjeri
- EN ISO 9493:2010 en  
Geometrical product specifications (GPS) – Dimensional measuring equipment: Dial test indicators (lever type) – Design and metrological characteristics (ISO 9493:2010)  
Geometrijske specifikacije proizvoda (GSP) – Dimenzionalna mjerna oprema: pokazivači za ispitivanje putem izbornika (polužni tip) (ISO 9493:2010)
- EN ISO 10360-2:2009 en  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 2: CMMs used for measuring linear dimensions (ISO 10360-2:2009)

- Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 2. dio: Uporaba TMU-a za mjerenje lineranih dimenzija (ISO 10360-2:2009)
- EN ISO 10360-5:2010 en  
Geometrical product specifications (GPS) – Acceptance and reverification tests for coordinate measuring machines (CMM) – Part 5: CMMs using single and multiple stylus contacting probing systems (ISO 10360-5:2010)  
Geometrijske specifikacije proizvoda (GSP) – Testovi za prihvatljivost i naknadnu provjeru trokoordinatnih mjernih uređaja (TMU) – 5. dio: TMU-a s jednostrukim i višestrukim sustavima ticala za ispitivanje (ISO 10360-5:2010)
- CEN ISO/TS 12181-1:2007 en  
Geometrical product specifications (GPS) – Roundness – Part 1: Vocabulary and parameters of roundness (ISO/TS 12181-1:2003)  
Geometrijske specifikacije proizvoda (GSP) – Kružnost – 1. dio: Terminološki rječnik i parametri kružnosti (ISO/TS 12181-1:2003)
- CEN ISO/TS 12181-2:2007 en  
Geometrical product specifications (GPS) – Roundness – Part 2: Specification operators (ISO/TS 12181-2:2003)  
Geometrijske specifikacije proizvoda (GSP) – Kružnost – 2. dio: Operatori specifikacija (ISO/TS 12181-2:2003)
- ISO/TR 13567-3:1999 en  
Technical product documentation – Organization and naming of layers for CAD – Part 3: Application of ISO 13567-1 and ISO 13567-2  
Tehnička dokumentacija proizvoda – Organizacija i imenovanje slojeva za CAD – 3. dio: Primjena ISO 13567-1 i ISO 13567-2
- CEN ISO/TS 14253-4:2010 en  
Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 4: Background on functional limits and specification limits in decision rules (ISO/TS 14253-4:2010)  
Geometrijske specifikacije proizvoda (GSP) – Pregled mjerenjem izradaka i mjerne opreme – 4. dio: Podloga kod odlučivanja za pravila za funkcionalna i specifikacijska ograničenja (ISO/TS 14253-4:2010)
- FprEN ISO 14406 en  
Geometrical product specifications (GPS) – Extraction (ISO/FDIS 14406:2010)  
Geometrijske specifikacije proizvoda (GSP) – Ekstrakcija (ISO/FDIS 14406:2010)
- CR ISO 14638:1996 en  
Geometrical product specification – Masterplan (ISO/TR 14638:1995)  
Geometrijske specifikacije proizvoda (GSP) – Masterplan (ISO/TR 14638:1995)
- EN ISO 25178-6:2010 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 6: Classification of methods for measuring surface texture (ISO 25178-6:2010)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 6. dio: Razredba metoda mjerenja teksture površine (ISO 25178-6:2010)
- EN ISO 25178-601:2010 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 601. dio: Nazivne karakteristike kontaktnih instrumenta (s ticalom) (ISO 25178-601:2010)
- EN ISO 25178-602:2010 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments (ISO 25178-602:2010)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 602. dio: Nazivne karakteristike nek kontaktnih instrumenta (konfokalna kromatska sonda) (ISO 25178-602:2010)
- EN ISO 25178-701:2010 en  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 701: Calibration and measurement standards for contact (stylus) instruments (ISO 25178-701:2010)  
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Areal – 701. dio: Kalibracijski i mjerni etaloni za kontaktne instrumente (s ticalom) (ISO 25178-701:2010)
- EN ISO 26909:2010 en  
Springs – Vocabulary (ISO 26909:2009)  
Opruge – Terminološki rječnik (ISO 26909:2009)
- HZN/TO 550, *Opskrba vodom***
- EN 15796:2010 en  
Chemicals used for treatment of swimming pool water – Calcium hypochlorite
- EN 15797:2010 en  
Chemicals used for the treatment of swimming pool water – Iron based coagulants
- EN 15798:2010 en  
Products used for the treatment of swimming pool water – Filter media
- EN 15799:2010 en  
Products used for treatment of swimming pool water – Powdered activated carbon
- EN 15848:2010 en  
Water conditioning equipment inside buildings – Adjustable chemical dosing systems – Requirements for performance, safety and testing
- HZN/TO 560, *Tekstilni proizvodi***
- EN ISO 12952-1:2010 en  
Textiles – Assessment of the ignitability of bedding items – Part 1: Ignition source: smouldering cigarette (ISO 12952-1:2010)  
Tekstil – Ocjenjivanje zapaljivosti postelnog rublja – 1. dio: Izvor zapaljenja: tinjajuća cigareta (ISO 12952-1:2010)
- EN ISO 12952-2:2010 en  
Textiles – Assessment of the ignitability of bedding items – Part 2: Ignition source: match-flame equivalent (ISO 12952-2:2010)  
Tekstil – Ocjenjivanje zapaljivosti postelnog rublja – 2. dio: Izvor zapaljenja: istovjetan plamenu šibice (ISO 12952-2:2010)
- HZN/TO E20, *Električni kabeli***
- HD 620 S2:2010 en  
Distribution cables with extruded insulation for rated voltages from 3,6/6 (7,2) kV up to and including 20,8/36 (42) kV  
Distribucijski kabeli s ekstrudiranom izolacijom za nazivne napone od 3,6/6 (7,2) kV do i uključivo 20,8/36 (42) kV
- EN 50397-2:2009 en  
Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV AC and not exceeding 36 kV AC – Part 2: Accessories for covered conductors – Tests and acceptance criteria  
Izolirani vodiči za nadzemne vodove i pripadajući pribor za nazivne izmjenične napone iznad 1 kV ali ne više od 36 kV – 2. dio: Pribor za izolirane vodiče – Ispitivanja i kriteriji prihvatljivosti

EN 50397-3:2010 en  
Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. – Part 3: Guide to use  
Izolirani vodiči za nadzemne vodove i pripadajući pribor za nazivne izmjenične napone iznad 1 kV ali ne više od 36 kV – 3. dio: Upute za primjenu

EN 60332-3-10:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus (IEC 60332-3-10:2000+am1:2008)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-10: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Ispitni uređaji (IEC 60332-3-10:2000+am1:2008)

EN 60332-3-21:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R (IEC 60332-3-21:2000, MOD)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-21: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja A F/R (IEC 60332-3-21:2000, MOD)

EN 60332-3-22:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A (IEC 60332-3-22:2000+am1:2008)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-22: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja A (IEC 60332-3-22:2000+am1:2008)

EN 60332-3-23:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B (IEC 60332-3-23:2000+am1:2008)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-23: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja B (IEC 60332-3-23:2000+am1:2008)

EN 60332-3-24:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C (IEC 60332-3-24:2000+am1:2008)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-24: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja C (IEC 60332-3-24:2000+am1:2008)

EN 60332-3-25:2009 en  
Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D (IEC 60332-3-25:2000+am1:2008)  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-25: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Vrsta ispitivanja D (IEC 60332-3-25:2000+am1:2008)

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

EN 50110-2:2010 en  
Operation of electrical installations – Part 2: National annexes  
Pogon električnih postrojenja – 2. dio: Nacionalni dodaci

HD 60364-4-43:2010 en  
Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent (IEC 60364-4-43:2008, MOD+Corr.1:2008)  
Niskonaponske električne instalacije – Dio 4-43: Sigurnosna zaštita – Nadstrujna zaštita (IEC 60364-4-43:2008, MOD+Corr.1:2008)

HD 60364-5-551:2010 en  
Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551))  
Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradba električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori (IEC 60364-5-55:2001/A2:2008 (CLAUSE 551))

HD 60364-5-56:2010 en  
Low-voltage electrical installations – Part 5-56: Selection and erection of electrical equipment – Safety services (IEC 60364-5-56:2009)  
Niskonaponske električne instalacije – Dio 5-56: Odabir i ugradba električne opreme – Sigurnosne svrhe (IEC 60364-5-56:2009)

HD 60364-7-717:2010 en  
Low-voltage electrical installations – Part 7-717: Requirements for special installations and locations – Mobile or transportable units (IEC 60364-7-717:2009, MOD)  
Niskonaponske električne instalacije – Dio 7-717: Zahtjevi za posebne instalacije i prostore – Pokretne ili prevoznice jedinice (IEC 60364-7-717:2009, MOD)

## **HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema**

EN 60825-2:2004/A2:2010 en  
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCS) (IEC 60825-2:2004/am2:2010)  
Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (KSOV) (IEC 60825-2:2004/am2:2010)

EN 60825-4:2006/A1:2008 en  
Safety of laser products – Part 4: Laser guards (IEC 60825-4:2006/am1:2008)  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:2006/am1:2008)

EN 62471:2008 en  
Photobiological safety of lamps and lamp systems (IEC 62471:2006, MOD)  
Fotobiološka sigurnost lampi i sustava s lampama (IEC 62471:2006, MOD)

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

EN 50131-1-2:2006/A1:2009 en  
Alarm systems – Intrusion and hold-up systems – Part 1: System requirements  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 1. dio: Zahtjevi za sustave

EN 50131-2-3:2008 en  
Alarm systems – Intrusion and hold-up systems – Part 2-3: Requirements for microwave detectors  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-3: Zahtjevi za mikrovalne detektore

EN 50131-2-5:2008 en  
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore

- EN 50131-2-6:2008 en  
Alarm systems – Intrusion and hold-up systems – Part 2-6: Opening contacts (magnetic)  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-6: Kontakti za detekciju otvaranja (magnetski)
- EN 50131-4:2009 en  
Alarm systems – Intrusion and hold-up systems – Part 4: Warning devices  
Alarmni sustavi – Protuprovalni i protuprovalni sustavi – 4. dio: Uređaji za upozorenje
- EN 50131-5-3:2005/A1:2008 en  
Alarm systems – Intrusion systems – Part 5-3: Requirements for interconnections equipment using radio frequency techniques  
Alarmni sustavi – Protuprovalni sustavi – Dio 5-3: Zahtjevi za opremu za međusobno spajanje primjenom radiofrekvencijske tehnike
- CLC/TS 50131-7:2008 en  
Alarm systems – Intrusion and hold-up systems – Part 7: Application guidelines  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 7. dio: Smjernice za primjenu
- EN 50131-8:2009 en  
Alarm systems – Intrusion and hold-up systems – Part 8: Security fog device/systems  
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – 8. dio: Uređaji i sustavi za zaštitnu maglu
- EN 50486:2008 en  
Equipment for use in audio and video door-entry systems  
Oprema za primjenu u audio i video sustavima za otvaranje vrata
- CLC/TR 50515:2008 en  
List of interpretations on published standards on “Alarm Systems”  
Popis tumačenja u objavljenim normama iz „Alarmnih sustava“
- CLC/TR 50531:2009 en  
Alarm systems – Terms and definitions  
Alarmni sustavi – Nazivi i definicije

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

- ETSI/TR 101 445 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short-Range Devices (SRD) intended for operation in the 862 MHz to 870 MHz band – System Reference Document for Radio Frequency Identification (RFID) equipment  
Elektromagnetska kompatibilnost i radiospektar (ERM) – Uređaji kratkoga dometa (SRD) namijenjeni radu u pojasu od 862 MHz do 870 MHz – Referencijski dokument za sustav uređaja za radiofrekvencijsko prepoznavanje (RFID)
- ETSI/TR 101 446 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Meteorological AIDS devices – System reference document on disposable Meteorological Sonde operating in the 400,15 MHz to 406 MHz frequency range  
Elektromagnetska kompatibilnost i radiospektar (ERM) – Referencijski dokument za sustav meteoroloških uređaja za pomoć (AIDS) na raspoloživoj meteorološkoj sondi koja radi u frekvencijskome području od 400,15 MHz do 406 MHz
- ETSI/TR 101 981 V1.2.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – System Reference Document for inductive Loop-Ultra Low Power Active Medical Implants (ULP-AMI) – systems operating in the frequency bands 9 kHz to 315 kHz

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Referencijski dokument za sustave aktivnih medicinskih implantata ultra male snage (ULP-AMI) s indukcijskom petljom koji rade u frekvencijskim pojasi od 9 kHz do 315 kHz

- ETSI/TR 101 982 V1.2.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radio equipment to be used in the 24 GHz band – System Reference Document for automotive collision warning Short Range Radar  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radijski uređaji za uporabu u pojasu od 24 GHz – Referencijski dokument za sustav radara kratkoga dometa za upozorenje na sudar automobila
- ETSI/TR 101 983 V1.1.1:2001 en  
ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM) – Radio equipment to be used in the 76 GHz to 77 GHz band – System Reference Document for Short-Range Radar to be fitted on road infrastructure  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radijski uređaji za uporabu u pojasu od 76 GHz do 77 GHz – Referencijski dokument za sustav radara kratkoga dometa koji se postavlja na cestovnu infrastrukturu
- ETSI/TR 101 994-1 V1.1.1:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB) – Part 1: Communications applications  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Tehničke značajke SRD opreme koja upotrebljava tehniku ultra širokoga pojasa (UWB) – 1. dio: Komunikacijske primjene
- ETSI/TR 101 994-2 V1.1.1:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra Wide Band technology (UWB) – Part 2: Ground and Wall-Probing Radar applications – System Reference Document  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Tehničke značajke SRD opreme koja upotrebljava tehniku ultra širokoga pojasa (UWB) – 2. dio: Primjene radara u sondiranju tla i zidova – Referencijski dokument sustava
- ETSI/TR 102 001 V1.1.1:2003 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Systems reference document for TETRA Advanced Packet Service (TAPS)  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Referencijski dokument za poboljšanu paketnu uslugu sustava TETRA (TAPS)
- ETSI/TR 102 069 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Technical Report on the operation of DSSS transponders in the band 865 MHz to 868 MHz, with polling frequency external to the band  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Tehnički izvještaj o radu DSSS transpondera u pojasu od 865 MHz do 868 MHz s izvanpojasnom frekvencijom prozivanja
- ETSI/TR 102 070-1 V1.2.1:2003 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Guide to the application of harmonized standards to multi-radio and combined radio and non-radio equipment – Part 1: ElectroMagnetic Compatibility  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Upute za primjenu usklađenih norma na multiradijske te na kombinirane radijske i neradijske uređaje – 1. dio: Elektromagnetska kompatibilnost

- ETSI/TR 102 070-2 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Guide to the application of harmonized standards to multi-radio and combined radio and non-radio equipment – Part 2: Effective use of the radio frequency spectrum  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Upute za primjenu usklađenih norma na multiradijske te na kombinirane radijske i neradijske uređaje – 2. dio: Djelotvorna uporaba radiofrekvencijskog spektra
- ETSI/TR 102 079 V1.1.2:2003 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – System Reference Document for licence-exempt Fixed Wireless Access (HIPERMAN) for band C (5,725 GHz to 5,875 GHz)  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Referencijski dokument za sustav za nepokretni bežični pristup izuzet iz licence (HIPERMAN) za pojas C (od 5,725 GHz do 5,875 GHz)
- ETSI/TR 102 134 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Device equipment operating below 1 GHz – Systems Reference Document for introduction of systems for Asset Tracking using Frequency Hopping Spread Spectrum (FHSS) in the band 865-868 MHz  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji i oprema kratkoga dometa koji rade ispod 1 GHz – Referencijski dokument za sustav za uvođenje sustava praćenja imovine uporabom proširenog spektra sa skokovitom promjenom frekvencije (FHSS) u pojasu od 865 MHz do 868 MHz
- ETSI/TR 102 135 V1.1.1:2002 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – System Reference Document for use of the band 169,4 MHz to 169,8 MHz for Digital Interchange of Information and Signalling (DIIS)  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Referencijski dokument za sustav za uporabu pojasa od 169,4 MHz to 169,8 MHz za digitalnu razmjenu podataka i signalizaciju (DIIS)
- ETSI/TR 102 137 V1.2.1:2008 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Use of radio frequency spectrum by equipment meeting ETSI Standards  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uporaba radiofrekvencijskog spektra kod uređaja koji zadovoljavaju ETSI norme
- ETSI/TR 102 260 V1.1.1:2003 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Code Division Multiple Access Public Access Mobile Radio (CDMA-PAMR) – System reference document  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Pokretni radio s javnim pristupom i višestrukim pristupom kodnom raspodjelom (CDMA-PAMR) – Referencijski dokument sustava
- ETSI/TR 102 263 V1.1.2:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Road Transport and Traffic Telematics (RTTT) – Radio equipment to be used in the 77 GHz to 81 GHz band – System Reference Document for automotive collision warning Short Range Radar  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Telematika cestovnog prijevoza i prometa (RTTT) – Radijski uređaji za uporabu u pojasu od 77 GHz do 81 GHz – Referencijski dokument za sustav radara kratkoga dometa za upozorenje na sudar automobila
- ETSI/TR 102 309 V1.1.1:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Ultra Low Power Active Medical Implants (ULP-AMI) – “Membrane Implant” devices operating in the 30 MHz to 37,5 MHz band – System Reference Document  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Aktivni medicinski implantati ultra male snage (ULP-AMI) – “Membranski implantatski” uređaji koji rade u pojasu od 30 MHz do 37,5 MHz – Referencijski dokument sustava
- ETSI/TR 102 335-1 V1.1.2:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – System reference document for harmonized use of Digital Mobile Radio (DMR) – Part 1: Tier 1 DMR#, expected to be for general authorization with no individual rights operation  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Referencijski dokument za sustav za usklađenu uporabu digitalnoga pokretnog radija (DMR) – 1. dio: DMR# 1. reda predviđen za opće odobrenje bez pojedinačnih prava na rad
- ETSI/TR 102 335-2 V1.1.1:2004 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – System reference document for harmonized use of Digital Mobile Radio (DMR) – Part 2: Systems operating under individual licences in the existing land mobile service spectrum bands  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Referencijski dokument za sustav za usklađenu uporabu digitalnoga pokretnog radija (DMR) – 2. dio: Sustavi koji rade na temelju pojedinačnih dozvola u postojećim pojasi spektra za kopnene pokretne službe
- ETSI/TR 102 347 V1.1.2:2005 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Equipment for Detecting Movement – Radio equipment operating around e.g. 5,8 GHz, 10 GHz, 25 GHz, 61 GHz, 77 GHz – System Reference Document for Tank Level Probing Radar (TLPR)  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Uređaji za otkrivanje kretanja – Radijski uređaji koji npr. rade oko 5,8 GHz, 10 GHz, 25 GHz, 61 GHz, 77 GHz – Referencijski dokument za sustav za radar za sondiranje razine spremnika (TLPR)
- ETSI/TR 102 378 1.1.1:2005 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Equipment for identification and location systems – System Reference Document for inductive systems for industrial applications operating in the frequency range from 400 kHz to 600 kHz  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Uređaji za sustave prepoznavanja lociranja – Referencijski dokument za induktivne sustave za industrijske primjene koji rade u frekvencijskome području od 400 kHz do 600 kHz
- ETSI/TR 102 400 V1.2.1:2006 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Intelligent Transport Systems (ITS) – Road Traffic and Transport Telematics (RTTT) – Technical characteristics for communications equipment in the frequency band from 63 GHz to 64 GHz – System Reference Document  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Sustavi inteligentnoga prijevoza (ITS) – Telematika cestovnog prijevoza i prometa (RTTT) – Tehničke značajke za komunikacijsku opremu u frekvencijskome pojasu od 63 GHz do 64 GHz – Referencijski dokument sustava

- ETR 129 ed.1:1994 en  
Radio Equipment and Systems (RES) – Open Network Provision (ONP) study on standards for mobile services and paging  
Radijski uređaji i sustavi (RES) – Studija, za uporabu otvorene mreže (ONP), o normama za pokretne službe i sustav radijskih poruka
- ETSI EG 201 399 V1.3.1:2003 en  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – A guide to the production of candidate Harmonized Standards for application under the R&TTE Directive  
Elektromagnetska kompatibilnost i radiospektar (ERM) – Upute za izradu norma predloženih za harmonizirane norme za primjene obuhvaćene Direktivom R&TTE
- ETSI EG 201 784 V1.1.1:2000 en  
ElectroMagnetic Compatibility and Radio Spectrum Matters (ERM) – Guidance on the incorporation of ElectroMagnetic Compatibility (EMC) requirements for radio equipment into ETSI standards intended to be referenced under Council Directive 96/98/EC on Marine Equipment  
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Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 12: Call Hold (CH)
- ETS 300 392-10-13 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 13: Call completion to busy subscriber
- ETS 300 392-10-13 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 13: Call completion to busy subscriber
- ETS 300 392-10-14 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 14: Late entry
- ETS 300 392-10-15 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 15: Transfer of control
- ETS 300 392-10-16 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 16: Pre-emptive priority call
- ETS 300 392-10-17 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 17: Include call

- ETS 300 392-10-18 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 18: Barring of outgoing calls
- ETS 300 392-10-19 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 19: Barring of incoming calls
- ETS 300 392-10-2 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 2: Call report
- ETS 300 392-10-2 ed.2:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 2: Call report
- ETS 300 392-10-20 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 20: Discreet listening
- ETS 300 392-10-20 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 20: Discreet Listening (DL)
- ETS 300 392-10-21 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 21: Ambience listening
- ETS 300 392-10-22 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 22: Dynamic group number assignment
- ETS 300 392-10-23 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 23: Call completion on no reply
- ETS 300 392-10-23 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 23: Call completion on no reply
- ETS 300 392-10-24 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 24: Call retention
- ETS 300 392-10-24 ed.2:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 24: Call Retention (CRT)
- ETS 300 392-10-3 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 3: Talking party identification
- ETS 300 392-10-3 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 3: Talking Party Identification (TPI)
- ETS 300 392-10-4 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 4: Call diversion
- ETS 300 392-10-4 ed.2:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 4: Call Forwarding (CF)
- ETS 300 392-10-5 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 5: List search call
- ETS 300 392-10-5 ed.2:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 5: List Search Call (LSC)
- ETS 300 392-10-6 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 6: Call authorized by dispatcher
- ETS 300 392-10-6 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 6: Call Authorized by Dispatcher (CAD)
- ETS 300 392-10-7 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 7: Short number addressing
- ETS 300 392-10-7 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 7: Short number addressing
- ETS 300 392-10-8 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 8: Area selection
- ETS 300 392-10-9 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 9: Access priority
- ETS 300 392-10-9 ed.2:1998 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 10: Supplementary services stage 1 – Sub-part 9: Access priority
- ETS 300 392-11-1 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 1: Call Identification (CI)
- ETS 300 392-11-11 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 11: Call Waiting (CW)
- ETS 300 392-11-13 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 13: Call Completion to Busy Subscriber (CCBS)
- ETS 300 392-11-16 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 16: Pre-emptive Priority Call (PPC)
- ETS 300 392-11-2 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 2: Call Report (CR)
- ETS 300 392-11-20 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 20: Discreet Listening (DL)
- ETS 300 392-11-22 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 22: Dynamic Group Number Assignment (DGNA)
- ETS 300 392-11-23 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 23: Call Completion on No Reply (CCNR)
- ETS 300 392-11-24 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 24: Call Retention (CRT)
- ETS 300 392-11-3 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 3: Talking Party Identification (TPI)

- ETS 300 392-11-5 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 5: List Search Call (LSC)
- ETS 300 392-11-6 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 6: Call Authorized by Dispatcher (CAD)
- ETS 300 392-11-7 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 7: Short Number Addressing (SNA)
- ETS 300 392-11-9 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 11: Supplementary services stage 2 – Sub-part 9: Access Priority (AP)
- ETS 300 392-12-1 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 1: Call Identification (CI)
- ETS 300 392-12-11 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 11: Call Waiting (CW)
- ETS 300 392-12-13 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 13: Call Completion to Busy Subscriber (CCBS)
- ETS 300 392-12-16 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 16: Pre-emptive Priority Call (PPC)
- ETS 300 392-12-2 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 2: Call Report (CR)
- ETS 300 392-12-20 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 20: Discreet Listening (DL)
- ETS 300 392-12-22 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 22: Dynamic Group Number Assignment (DGNA)
- ETS 300 392-12-23 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 23: Call Completion on No Reply (CCNR)
- ETS 300 392-12-24 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 24: Call Retention (CRT)
- ETS 300 392-12-3 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 3: Talking Party Identification (TPI)
- ETS 300 392-12-5 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 5: List Search Call (LSC)
- ETS 300 392-12-6 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 6: Call Authorized by Dispatcher (CAD)
- ETS 300 392-12-7 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 7: Short Number Addressing (SNA)
- ETS 300 392-12-9 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 9: Access Priority (AP)
- ETS 300 392-13 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 13: SDL model of the Air Interface (AI)
- ETS 300 392-14 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 14: Protocol Implementation Conformance Statement (PICS) proforma specification
- ETS 300 393-1 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 1: General network design
- ETS 300 393-2 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 2: Air Interface (AI)
- ETS 300 393-2 ed.2:1999 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 2: Air Interface (AI)
- ETS 300 393-7 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 7: Security
- ETS 300 393-10 ed.1:1999 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 10: SDL model of the Air Interface (AI)
- ETS 300 393-11 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Packet Data Optimized (PDO) – Part 11: Protocol Implementation Conformance Statement (PICS) proforma specification
- ETS 300 394-2-1 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Conformance testing specification – Part 2: Protocol testing specification for Voice plus Data (V+D) – Sub-part 1: Test suite structure and test purposes
- ETS 300 394-2-2 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Conformance testing specification – Part 2: Protocol testing specification for Voice plus Data (V+D) – Sub-part 2: Abstract Test Suite (ATS) for Network (NWK) layer
- ETS 300 394-2-3 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Conformance testing specification – Part 2: Protocol testing specification for Voice plus Data (V+D) – Sub-part 3: Abstract Test Suite (ATS) for Logical Link Control (LLC)
- ETS 300 394-2-4 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Conformance testing specification – Part 2: Protocol testing specification for Voice plus Data (V+D) – Sub-part 4: Abstract Test Suite (ATS) for Medium Access Control (MAC)
- ETS 300 395-1 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 1: General description of speech functions
- ETS 300 395-2 ed.1:1996 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 2: TETRA codec
- ETS 300 395-2 ed.2:1998 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 2: TETRA codec
- ETS 300 395-3 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 3: Specific operating features
- ETS 300 395-4 ed.1:1997 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 4: Codec conformance testing

- ETS 300 395-4 ed.2:2000 en  
Terrestrial Trunked Radio (TETRA) – Speech codec for full-rate traffic channel – Part 4: Codec conformance testing
- ETS 300 396-1 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Technical requirements for Direct Mode Operation (DMO) – Part 1: General network design
- ETS 300 396-2 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Technical requirements for Direct Mode Operation (DMO) – Part 2: Radio aspects
- ETS 300 396-3 ed.1:1998 en  
Terrestrial Trunked Radio (TETRA) – Technical requirements for Direct Mode Operation (DMO) – Part 3: Mobile Station to Mobile Station (MS-MS) Air Interface (AI) protocol
- ETS 300 396-5 ed.1:2000 en  
Terrestrial Trunked Radio (TETRA) – Technical requirements for Direct Mode Operation (DMO) – Part 5: Gateway air interface

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

- HRN EN 609-1:2008 en  
Agricultural and forestry machinery – Safety of log splitters – Part 1: Wedge splitters (EN 609-1:1999+A1:2003)  
- zamijenjena s: HRN EN 609-1:2010
- HRN EN 609-2:2008 en  
Agricultural and forestry machinery – Safety of log splitters – Part 2: Screw splitter (EN 609-2:1999)  
- zamijenjena s: HRN EN 609-2:2010
- HRN EN 632:2002 en  
Poljoprivredna mehanizacija – Kombajni za žito i krmo – Sigurnost (EN 632:1995)  
Agricultural machinery – Combine harvesters and forage harvesters – Safety (EN 632:1995)  
- zamijenjena s: HRN EN ISO 4254-7:2010
- HRN EN 690:2008 en  
Agricultural machinery – Manure spreaders – Safety (EN 690:1994)  
- zamijenjena s: HRN EN 690:2010
- HRN EN 703:2008 en  
Agricultural machinery – Silage loading, mixing and/or chopping and distributing machines – Safety (EN 703:2004)  
- zamijenjena s: HRN EN 703:2010
- HRN EN 704:2008 en  
Agricultural machinery – Pick-up balers – Safety (EN 704:1999)  
- zamijenjena s: HRN EN 704:2010
- HRN EN 706:2008 en  
Agricultural machinery – Vine shoot tipping machines – Safety (EN 706:1996)  
- zamijenjena s: HRN EN 706:2010
- HRN EN 707:2008 en  
Agricultural machinery – Slurry tankers – Safety (EN 707:1999)  
- zamijenjena s: HRN EN 707:2010
- HRN EN 708:2008 en  
Agricultural machinery – Soil working machines with powered tools – Safety (EN 708:1996+A1:2000)  
- zamijenjena s: HRN EN ISO 4254-5:2010
- HRN EN 709:2008 en  
Agricultural and forestry machinery – Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) – Safety (EN 709:1997+A1:1999)  
- zamijenjena s: HRN EN 709:2010
- HRN EN 745:2008 en  
Agricultural machinery – Rotary mowers and flail-mowers – Safety (EN 745:1999)  
- zamijenjena s: HRN EN 745:2010
- HRN EN 774:2008 en  
Garden equipment – Hand held, integrally powered hedge trimmers – Safety (EN 774:1996+A1:1997+A2:1997+A3:2001)  
- zamijenjena s: HRN EN ISO 10517:2010
- HRN EN 786:2008 en  
Garden equipment – Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers – Mechanical safety (EN 786:1996+A1:2001+AC:1996)  
- zamijenjena s: HRN EN 786:2010
- HRN EN 907:2001 en  
Poljoprivredna i šumarska mehanizacija – Prskalice i raspodjeljivači tekućih gnojiva – Sigurnost (EN 907:1997)  
Agricultural and forestry machinery – Sprayers and liquid fertilizer distributors – Safety (EN 907:1997)  
- zamijenjena s: HRN EN ISO 4254-6:2010
- HRN EN 908:2008 en  
Agricultural and forestry machinery – Reel machines for irrigation – Safety (EN 908:1999)  
- zamijenjena s: HRN EN 908:2010
- HRN EN 909:2008 en  
Agricultural and forestry machinery – Centre pivot and moving lateral types irrigation machines – Safety (EN 909:1998)  
- zamijenjena s: HRN EN 909:2010
- HRN EN 1374:2008 en  
Agricultural machinery – Silos stationary unloaders for round silos – Safety (EN 1374:2000+AC:2004)  
- zamijenjena s: HRN EN 1374:2010
- HRN EN 1553:2001 en  
Poljoprivredna mehanizacija – Poljoprivredni samokretni strojevi, nošena, polunošena i vučena oruđa i strojevi – Opći zahtjevi za sigurnošću (EN 1553:1999)  
Agricultural machinery – Agricultural self-propelled, mounted, semi-mounted and trailed machines – Common safety requirements (EN 1553:1999)  
- zamijenjena s: HRN EN ISO 4254-1:2010
- HRN EN 1853:2008 en  
Agricultural machinery – Trailers with tipping body – Safety (EN 1853:1999)  
- zamijenjena s: HRN EN 1853:2010
- HRN EN ISO 4254-1:2008 en  
Agricultural machinery – Safety – Part 1: General requirements (ISO 4254-1:2005; EN ISO 4254-1:2005)  
- zamijenjena s: HRN EN ISO 4254-1:2010
- HRN ISO 4254-3:2001 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Tehnički načini provođenja sigurnosti – 3. dio: Traktori (ISO 4254-3:1992)  
Tractors and machinery for agriculture and forestry – Technical means for providing safety – Part 3: Tractors (ISO 4254-3:1992)  
- bez zamjene

HRN ISO 4254-6:2001 en  
Traktori i mehanizacija za poljoprivredu i šumarstvo – Tehnička sredstva za provođenje sigurnosti – 6. dio: Oprema za zaštitu bilja (ISO 4254-6:1995)  
Tractors and machinery for agriculture and forestry – Technical means for ensuring safety – Part 6: Equipment for crop protection (ISO 4254-6:1995)  
- zamijenjena s: HRN EN ISO 4254-6:2010

HRN EN ISO 5674:2008 en  
Tractors and machinery for agriculture and forestry – Guards for power take-off (PTO) drive-shafts – Strength and wear tests and acceptance criteria (ISO 5674:2004, corrected version 2005-07-01; EN ISO 5674:2006)  
- zamijenjena s: HRN EN ISO 5674:2010

HRN EN ISO 11545:2008 en  
Agricultural irrigation equipment – Centre-pivot and moving lateral irrigation machines with sprayer or sprinkler nozzles – Determination of uniformity of water distribution (ISO 11545:2001; EN ISO 11545:2001)  
- zamijenjena s: HRN EN ISO 11545:2010

HRN EN 12525:2001 en  
Poljoprivredna mehanizacija – Prednji utovarivači – Sigurnost (EN 12525:2000)  
Agricultural machinery – Front loaders – Safety (EN 12525:2000)  
- zamijenjena s: HRN EN 12525:2010

HRN EN 12525:2001/A1:2008 en  
Poljoprivredna mehanizacija – Prednji utovarivači – Sigurnost (EN 12525:2000/A1:2006)  
Agricultural machinery – Front loaders – Safety (EN 12525:2000/A1:2006)  
- zamijenjena s: HRN EN 12525:2010

HRN EN 12733:2008 en  
Agricultural and forestry machinery – Pedestrian controlled motor mowers – Safety (EN 12733:2001+AC:2003)  
- zamijenjena s: HRN EN 12733:2010

HRN EN 12965:2008 en  
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety (EN 12965:2003+A1:2004)  
- zamijenjena s: HRN EN 12965:2010

HRN EN 13118:2008 en  
Agricultural machinery – Potato harvesting equipment – Safety (EN 13118:2000)  
- zamijenjena s: HRN EN 13118:2010

HRN EN 13140:2008 en  
Agricultural machinery – Sugar beet and fodder beet harvesting equipment – Safety (EN 13140:2000)  
- zamijenjena s: HRN EN 13140:2010

HRN EN 13448:2008 en  
Agricultural and forestry machinery – Inter-row mowing units – Safety (EN 13448:2001)  
- zamijenjena s: HRN EN 13448:2010

HRN EN 13525:2008 en  
Forestry machinery – Wood chippers – Safety (EN 13525:2005+A1:2007)  
- zamijenjena s: HRN EN 13525:2010

HRN EN 13683:2008 en  
Garden equipment – Integrally powered shredders/chippers – Safety (EN 13683:2003)  
- zamijenjena s: HRN EN 13683:2010

HRN EN 13684:2008 en  
Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety (EN 13684:2004)  
- zamijenjena s: HRN EN 13684:2010

HRN EN 14017:2008 en  
Agricultural and forestry machinery – Solid fertilizer distributors – Safety (EN 14017:2005+A1:2008)  
- zamijenjena s: HRN EN 14017:2010

HRN EN 14018:2008 en  
Agricultural and forestry machinery – Seed drills – Safety (EN 14018:2005)  
- zamijenjena s: HRN EN 14018:2010

HRN EN 14861:2008 en  
Forest machinery – Self propelled machinery – Safety requirements (EN 14861:2004)  
- zamijenjena s: HRN EN 14861:2010

HRN EN 14910:2008 en  
Garden equipment – Walk-behind combustion engine powered trimmers – Safety (EN 14910:2007)  
- zamijenjena s: HRN EN 14910:2010

HRN EN 14930:2008 en  
Agricultural and forestry machinery and gardening equipment – Determination of inadvertent accessibility of hot surfaces – Complementary element (EN 14930:2007)  
- zamijenjena s: HRN EN 14930:2010

HRN EN ISO 14982:1999 en  
Poljoprivredni i šumarski strojevi – Elektromagnetska kompatibilnost – Ispitne metode i mjerila za prihvaćanje (ISO 14982:1998; EN ISO 14982:1998)  
Agricultural and forestry machines – Electromagnetic compatibility – Test methods and acceptance criteria (ISO 14982:1998; EN ISO 14982:1998)  
- zamijenjena s: HRN EN ISO 14982:2010

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

HRN EN 589:2010 en/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 589:2010 hr

### **HZN/TO 82, Rudarstvo**

HRN EN 1804-1:2008 en  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 1. dio: Elementi podgrade i opći zahtjevi (EN 1804-1:2001)  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 1: Support units and general requirements (EN 1804-1:2001)  
- zamijenjena s: HRN EN 1804-1:2010

HRN EN 1804-2:2008 en  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 2. dio: Stojke i pogonski cilindri (EN 1804-2:2001)  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 2: Power set legs and rams (EN 1804-2:2001)  
- zamijenjena s: HRN EN 1804-2:2010

HRN EN 1804-3:2008 en  
Strojevi za podzemne rudnike – Sigurnosni zahtjevi za hidrauličnu samohodnu podgradu – 3. dio: Hidraulički kontrolni sistemi (EN 1804-3:2006)  
Machines for underground mines – Safety requirements for hydraulic powered roof supports – Part 3: Hydraulic control systems (EN 1804-3:2006)  
- zamijenjena s: HRN EN 1804-3:2010

HRN EN 1889-2:2008 en  
Strojevi za podzemne rudnike – Pokretni strojevi u podzemnim rudnicima – Sigurnost – 2. dio: Željezničke lokomotive (EN 1889-2:2003)  
Machines for underground mines – Mobile machines working underground – Safety – Part 2: Rail locomotives (EN 1889-2:2003)  
- zamijenjena s: HRN EN 1889-2:2010

HRN EN 12321:2008 en  
Strojevi za podzemne rudnike – Specifikacija sigurnosnih zahtjeva za oklopljene grabljare širokog čela (EN 12321:2003)  
Underground mining machinery – Specification for the safety requirements of armoured face conveyors (EN 12321:2003)  
- zamijenjena s: HRN EN 12321:2010

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

HRN ISO 6107-2:1998 hr,en,fr  
Kakvoća vode – Rječnik – 2. dio  
(ISO 6107-2:1997)  
Water quality – Vocabulary – Part 2  
(ISO 6107-2:1997)  
- zamijenjena s: HRN ISO 6107-2:2010

HRN ISO 6107-6:1998 hr,en,fr  
Kakvoća vode – Rječnik – 6. dio  
(ISO 6107-6:1996)  
Water quality – Vocabulary – Part 6  
(ISO 6107-6:1996)  
- zamijenjena s: HRN ISO 6107-6:2010

HRN ISO 6107-7:1998 hr,en,fr  
Kakvoća vode – Rječnik – 7. dio  
(ISO 6107-7:1997)  
Water quality – Vocabulary – Part 7  
(ISO 6107-7:1997)  
- zamijenjena s: HRN ISO 6107-7:2010

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

HRN EN ISO 11885:1998 en  
Kakvoća vode – Određivanje 33 elementa metodom atomske emisijske spektroskopije induktivno vezane plazme (ISO 11885:1996; EN ISO 11885:1997)  
Water quality – Determination of 33 elements by inductively coupled plasma atomic emission spectroscopy (ISO 11885:1996; EN ISO 11885:1997)  
- zamijenjena s: HRN EN ISO 11885:2010

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

HRN EN ISO 8596:2008 en  
Oftalmološka optika – Ispitivanje vizualne oštine – Standardni optotipovi i njihovo prikazivanje (ISO 8596:1994; EN ISO 8596:1996)  
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation (ISO 8596:1994; EN ISO 8596:1996)  
- zamijenjena s: HRN EN ISO 8596:2010

HRN EN ISO 8612:2008 en  
Oftalmološki instrumenti – Tonometri (ISO 8612:2001; EN ISO 8612:2001)  
Ophthalmic instruments – Tonometers (ISO 8612:2001; EN ISO 8612:2001)  
- zamijenjena s: HRN EN ISO 8612:2010

HRN EN ISO 9801:2008 en  
Oftalmološki instrumenti – Ispitne leće (ISO 9801:1997; EN ISO 9801:1999)  
Ophthalmic instruments – Trial case lenses (ISO 9801:1997; EN ISO 9801:1999)  
- zamijenjena s: HRN EN ISO 9801:2010

HRN EN ISO 10341:2008 en  
Oftalmološki instrumenti – Refraktorske glave (ISO 10341:1997; EN ISO 10341:1999)  
Ophthalmic instruments – Refractor heads (ISO 10341:1997; EN ISO 10341:1999)  
- zamijenjena s: HRN EN ISO 10341:2010

HRN EN ISO 10343:2005 en  
Oftalmološki instrumenti – Oftalmometri (ISO 10343:1997; EN ISO 10343:1999)

Ophthalmic instruments – Ophthalmometers (ISO 10343:1997; EN ISO 10343:1999)  
- zamijenjena s: HRN EN ISO 10343:2010

HRN EN ISO 10940:2008 en  
Oftalmološki instrumenti – Fundus kamere (ISO 10940:1998; EN ISO 10940:1998)  
Ophthalmic instruments – Fundus cameras (ISO 10940:1998; EN ISO 10940:1998)  
- zamijenjena s: HRN EN ISO 10940:2010

HRN EN ISO 10944:2008 en  
Oftalmološki instrumenti – Sinoptofori (ISO 10944:1998; EN ISO 10944:1998)  
Ophthalmic instruments – Synoptophores (ISO 10944:1998; EN ISO 10944:1998)  
- zamijenjena s: HRN EN ISO 10944:2010

HRN EN ISO 11145:2008 en  
Optika i fotonika – Laseri i pridružena oprema – Rječnik i znakovlje (ISO 11145:2006; EN ISO 11145:2006)  
Optics and photonics – Lasers and laser-related equipment – Vocabulary and symbols (ISO 11145:2006; EN ISO 11145:2006)  
- zamijenjena s: HRN EN ISO 11145:2010

HRN EN ISO 11553-1:2008 en  
Sigurnost strojeva – Laserski strojevi za obradu – 1. dio: Opći zahtjevi za sigurnost (ISO 11553-1:2005; EN ISO 11553-1:2005)  
Safety of machinery – Laser processing machines – Part 1: General safety requirements (ISO 11553-1:2005; EN ISO 11553-1:2005)  
- zamijenjena s: HRN EN ISO 11553-1:2010

HRN EN ISO 11553-2:2008 en  
Sigurnost strojeva – Laserski strojevi za obradu – 2. dio: Zahtjevi za sigurnost ručnih laserskih uređaja za obradu (ISO 11553-2:2007; EN ISO 11553-2:2007)  
Safety of machinery – Laser processing machines – Part 2: Safety requirements for hand-held laser processing devices (ISO 11553-2:2007; EN ISO 11553-2:2007)  
- zamijenjena s: HRN EN ISO 11553-2:2010

HRN EN ISO 11810-1:2008 en  
Laseri i pridružena oprema – Ispitne metode i razredba otpornosti kirurških zastora i/ili zaštitnih pokrivala za pacijente na lasersko zračenje – 1. dio: Primarno zapaljenje i prodiranje (ISO 11810-1:2005; EN ISO 11810-1:2005)  
Lasers and laser-related equipment – Test method and classification for the laser resistance of surgical drapes and/or patient protective covers – Part 1: Primary ignition and penetration (ISO 11810-1:2005; EN ISO 11810-1:2005)  
- zamijenjena s: HRN EN ISO 11810-1:2010

HRN EN ISO 11810-2:2008 en  
Laseri i pridružena oprema – Ispitne metode i razredba otpornosti kirurških zastora i/ili zaštitnih pokrivala za pacijente na lasersko zračenje – 2. dio: Sekundarno zapaljenje (ISO 11810-2:2007; EN ISO 11810-2:2007)  
Lasers and laser-related equipment – Test method and classification for the laser-resistance of surgical drapes and/or patient-protective covers – Part 2: Secondary ignition (ISO 11810-2:2007; EN ISO 11810-2:2007)  
- zamijenjena s: HRN EN ISO 11810-2:2010

HRN EN ISO 11979-4:2005 en  
Oftalmološki usaci – Intraokularne leće – 4. dio: Označavanje i informacije (ISO 11979-4:2000; EN ISO 11979-4:2000)  
Ophthalmic implants – Intraocular lenses – Part 4: Labelling and information (ISO 11979-4:2000; EN ISO 11979-4:2000)  
- zamijenjena s: HRN EN ISO 11979-4:2010

- HRN EN ISO 11980:2008 en  
Oftalmološka optika – Kontakte leće i proizvodi za održavanje kontaktnih leća – Smjernice za klinička istraživanja (ISO 11980:1997; EN ISO 11980:1997)  
Ophthalmic optics – Contact lenses and contact lens care products – Guidance for clinical investigations (ISO 11980:1997; EN ISO 11980:1997)  
- zamijenjena s: HRN EN ISO 11980:2010
- HRN EN ISO 11981:2008 en  
Oftalmološka optika – Kontaktne leće i proizvodi za održavanje kontaktnih leća – Utvrđivanje fizikalne usklađenosti proizvoda za održavanje kontaktnih leća s kontaktnim lećama (ISO 11981:1999; EN ISO 11981:1999)  
Ophthalmic optics – Contact lenses and contact lens care products – Determination of physical compatibility of contact lens care products with contact lenses (ISO 11981:1999; EN ISO 11981:1999)  
- zamijenjena s: HRN EN ISO 11981:2010
- HRN EN ISO 12870:2005 en  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (ISO 12870:2004; EN ISO 12870:2004)  
Ophthalmic optics – Spectacle frames – Requirements and test methods (ISO 12870:2004; EN ISO 12870:2004)  
- zamijenjena s: HRN EN ISO 12870:2010
- HRN EN ISO 12870:2005/Ispr.1:2008 en  
Oftalmološka optika – Okviri za naočale – Zahtjevi i metode ispitivanja (EN ISO 12870:2004/AC:2005)  
Ophthalmic optics – Spectacle frames – Requirements and test methods (EN ISO 12870:2004/AC:2005)  
- zamijenjena s: HRN EN ISO 12870:2010
- HRN EN ISO 14534:2008 en  
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Osnovni zahtjevi (ISO 14534:2002; EN ISO 14534:2002)  
Ophthalmic optics – Contact lenses and contact lens care products – Fundamental requirements (ISO 14534:2002; EN ISO 14534:2002)  
- zamijenjena s: HRN EN ISO 14534:2010
- HRN EN ISO 14889:2005 en  
Oftalmološka optika – Dioptrijske leće – Osnovni zahtjevi za neoblikovane gotove leće (ISO 14889:2003; EN ISO 14889:2003)  
Ophthalmic optics – Spectacle lenses – Fundamental requirements for uncut finished lenses (ISO 14889:2003; EN ISO 14889:2003)  
- zamijenjena s: HRN EN ISO 14889:2010
- HRN EN ISO 15004-1:2008 en  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 1. dio: Opći zahtjevi primijenjeni na sve oftalmološke instrumente (ISO 15004-1:2006; EN ISO 15004-1:2006)  
Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2006; EN ISO 15004-1:2006)  
- zamijenjena s: HRN EN ISO 15004-1:2010
- HRN EN ISO 15254:2008 en  
Oftalmološka optika i instrumenti – Elektro-optička sredstva za pojačavanje slabog vida (ISO 15254:2002; EN ISO 15254:2002)  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2002; EN ISO 15254:2002)  
- zamijenjena s: HRN EN ISO 15254:2010
- HRN ISO 15752:2005 en  
Oftalmološki instrumenti – Izvori svjetla za endoskopiju – Osnovni zahtjevi i metode ispitivanja za zaštitu od optičkog zračenja (ISO 15752:2000)  
Ophthalmic instruments – Endoilluminators – Fundamental requirements and test methods for optical radiation safety (ISO 15752:2000)  
- zamijenjena s: HRN EN ISO 15752:2010
- HRN EN ISO 15798:2008 en  
Oftalmološki implantanti – Oftalmološka viskozno-kirurška sredstva (ISO 15798:2001+Cor 1:2003; EN ISO 15798:2001+AC:2005)  
Ophthalmic implants – Ophthalmic viscosurgical devices (ISO 15798:2001+Cor 1:2003; EN ISO 15798:2001+AC:2005)  
- zamijenjena s: HRN EN ISO 15798:2010
- HZN/TO 218, Drvo**
- HRN EN 46-1:2008 en  
Wood preservatives – Determination of the preventive action against *Hylotrupes bajulus* (Linnaeus) – Part 1: Larvicidal effect (Laboratory method) (EN 46-1:2005)  
- zamijenjena s: HRN EN 46-1:2010
- HRN EN 46-2:2008 en  
Wood preservatives – Determination of the preventive action against *Hylotrupes bajulus* (Linnaeus) – Part 2: Ovicidal effect (laboratory method) (EN 46-2:2006)  
- zamijenjena s: HRN EN 46-2:2010
- HRN EN 1014-1:2008 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 1: Procedure for sampling creosote (EN 1014-1:1995)  
- zamijenjena s: HRN EN 1014-1:2010
- HRN EN 1014-2:2008 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 2: Procedure for obtaining a sample of creosote from creosoted timber for subsequent analysis (EN 1014-2:1995)  
- zamijenjena s: HRN EN 1014-2:2010
- HRN EN 1014-3:2008 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 3: Determination of the benzo(a)pyrene content of creosote (EN 1014-3:1997)  
- zamijenjena s: HRN EN 1014-3:2010
- HRN EN 1014-4:2008 en  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 4: Determination of the water-extractable phenols content of creosote (EN 1014-4:1995)  
- zamijenjena s: HRN EN 1014-4:2010
- HRN EN 1313-1:2008 en  
Round and sawn timber – Permitted deviations and preferred sizes – Part 1: Softwood sawn timber (EN 1313-1:1997+A1:1999)  
- zamijenjena s: HRN EN 1313-1:2010
- HRN EN 1315-1:1999 en  
Razredba dimenzija – 1. dio: Oblo drvo listača (EN 1315-1:1997)  
Dimensional classification – Part 1: Hardwood round timber (EN 1315-1:1997)  
- zamijenjena s: HRN EN 1315:2010
- HRN EN 1315-2:1999 en  
Razredba dimenzija – 2. dio: Oblo drvo četinjača (EN 1315-2:1997)  
Dimensional classification – Part 2: Softwood round timber (EN 1315-2:1997)  
- zamijenjena s: HRN EN 1315:2010
- HRN EN 1533:2008 en  
Wood and parquet flooring – Determination of bending properties – Test methods (EN 1533:2000)  
- zamijenjena s: HRN EN 1533:2010



HRN EN 1534:2008 en  
Wood and parquet flooring – Determination of resistance to indentation (Brinell) – Test method (EN 1534:2000)  
- zamijenjena s: HRN EN 1534:2010

HRN EN 12490:2008 en  
Durability of wood and wood-based products – Preservative-treated solid wood – Determination of the penetration and retention of creosote in treated wood (EN 12490:1998)  
- zamijenjena s: HRN EN 12490:2010

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

HRN EN 486:2001 en  
Aluminij i aluminijeve legure – Ingot namijenjen prešanju – Specifikacije (EN 486:1993)  
Aluminium and aluminium alloys – Extrusion ingots – Specifications (EN 486:1993)  
- zamijenjena s: HRN EN 486:2010

HRN EN 487:2001 en  
Aluminij i aluminijeve legure – Ingot namijenjen valjanju – Specifikacije (EN 487:1993)  
Aluminium and aluminium alloys – Rolling ingots – Specifications (EN 487:1993)  
- zamijenjena s: HRN EN 487:2010

HRN EN 723:2002 en  
Bakar i bakrene legure – Određivanje ugljika na unutrašnjoj površini bakrenih cijevi ili spojnica metodom spaljivanja (EN 723:1996)  
Copper and copper alloys – Combustion method for determination of carbon on the inner surface of copper tubes or fittings (EN 723:1996)  
- zamijenjena s: HRN EN 723:2010

HRN EN 10002-1:2008 en  
Metalni materijali – Vlačno ispitivanje – 1. dio: Metoda ispitivanja pri sobnoj temperaturi (EN 10002-1:2001)  
Metallic materials – Tensile testing – Part 1: Method of test at ambient temperature (EN 10002-1:2001)  
- zamijenjena s: HRN EN ISO 6892-1:2010

HRN EN 10025-6:2007 en  
Toplo valjani proizvodi od konstrukcijskih čelika – 6. dio: Tehnički uvjeti isporuke za plosnate proizvode od konstrukcijskih čelika s visokom granicom razvlačenja u poboljšanom stanju (EN 10025-6:2004)  
Hot rolled products of structural steels – Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition (EN 10025-6:2004)  
- zamijenjena s: HRN EN 10025-6:2010

HRN EN 10028-1:2008 en  
Plosnati proizvodi od čelika za tlačne namjene – 1. dio: Opći zahtjevi (EN 10028-1:2007)  
Flat products made of steels for pressure purposes – Part 1: General requirements (EN 10028-1:2007)  
- zamijenjena s: HRN EN 10028-1:2010

HRN EN 10028-2:2007 en  
Plosnati proizvodi od čelika za tlačnu namjenu – 2. dio: Nelegirani i legirani čelici s utvrđenim svojstvima pri povišenim temperaturama (EN 10028-2:2003+AC:2005)  
Flat products made of steels for pressure purposes – Part 2: Non-alloy and alloy steels with specified elevated temperature properties (EN 10028-2:2003+AC:2005)  
- zamijenjena s: HRN EN 10028-2:2010

HRN EN 10028-3:2003 en  
Plosnati proizvodi od čelika za tlačne namjene – 3. dio: Zavarljivi sitnozrnati čelici, normalizacijski žareni (EN 10028-3:2003)  
Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized (EN 10028-3:2003)  
- zamijenjena s: HRN EN 10028-3:2010

HRN EN 10028-4:2007 en  
Plosnati proizvodi od čelika za tlačnu namjenu – 4. dio: Čelici legirani niklom s utvrđenim svojstvima pri niskim temperaturama (EN 10028-4:2003+AC:2005)  
Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties (EN 10028-4:2003+AC:2005)  
- zamijenjena s: HRN EN 10028-4:2010

HRN EN 10028-5:2008 en  
Plosnati proizvodi od čelika za tlačne namjene – 5. dio: Zavarljivi, sitnozrnati čelici, termomehanički valjani (EN 10028-5:2003)  
Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled (EN 10028-5:2003)  
- zamijenjena s: HRN EN 10028-5:2010

HRN EN 10028-6:2008 en  
Plosnati proizvodi od čelika za tlačne namjene – 6. dio: Zavarljivi poboljšani sitnozrnati čelici (EN 10028-6:2003)  
Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered (EN 10028-6:2003)  
- zamijenjena s: HRN EN 10028-6:2010

HRN EN 10169-1:2008 en  
Kontinuirano organski prevučeni (prevlaka u kolutima) plosnati čelični proizvodi – 1. dio: Opći podaci (definicije, materijali, dopuštena odstupanja, ispitne metode) (EN 10169-1:2003)  
Continuously organic coated (coil coated) steel flat products – Part 1: General information (definitions, materials, tolerances, test methods) (EN 10169-1:2003)  
- zamijenjena s: HRN EN 10169:2010

HRN EN 10169-2:2008 en  
Kontinuirano organski prevučeni (prevlaka u kolutima) plosnati čelični proizvodi – 2. dio: Proizvodi za vanjsko uređenje zgrada (EN 10169-2:2006)  
Continuously organic coated (coil coated) steel flat products – Part 2: Products for building exterior applications (EN 10169-2:2006)  
- zamijenjena s: HRN EN 10169:2010

HRN EN 10169-3:2008 en  
Kontinuirano organski prevučeni (prevlaka u kolutima) plosnati čelični proizvodi – 3. dio: Proizvodi za unutrašnje uređenje zgrada (EN 10169-3:2003)  
Continuously organic coated (coil coated) steel flat products – Part 3: Products for building interior applications (EN 10169-3:2003)  
- zamijenjena s: HRN EN 10169:2010

HRN EN 10225:2002 en  
Zavarivi konstrukcijski čelici za čvrstostojeće pomorske konstrukcije – Tehnički uvjeti isporuke (EN 10225:2001)  
Weldable structural steels for fixed offshore structures – Technical delivery conditions (EN 10225:2001)  
- zamijenjena s: HRN EN 10225:2010

HRN EN 10225/AC:2007 en  
Zavarivi konstrukcijski čelici za čvrstostojeće pomorske konstrukcije – Tehnički uvjeti isporuke (EN 10225:2001/AC:2002)  
Weldable structural steels for fixed offshore structures – Technical delivery conditions (EN 10225:2001/AC:2002)  
- zamijenjena s: HRN EN 10225:2010

HRN EN 10238:2008 en  
Automatsko čišćenje mlazom i automatska predobrada zaštitnom prevlakom proizvoda od konstrukcijskog čelika (EN 10238:1996)  
Automatically blast-cleaned and automatically prefabricated primed structural steel products (EN 10238:1996)  
- zamijenjena s: HRN EN 10238:2010

HRN EN 10244-1:2001 en  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 1. dio: Osnovna načela (EN 10244-1:2001)  
Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 1: General principles (EN 10244-1:2001)  
- zamijenjena s: HRN EN 10244-1:2010

HRN EN 10244-2:2001 en  
Čelična žica i žičani proizvodi – Neželjezne metalne prevlake na čeličnim žicama – 2. dio: Prevlake od cinka i cinčanih legura (EN 10244-2:2001)  
Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 2: Zinc or zinc alloy coatings (EN 10244-2:2001)  
- zamijenjena s: HRN EN 10244-2:2010

HRN EN 10291:2001 en  
Metalni materijali – Jednoosno ispitivanje puzanja pri vlačnome naprezanju – Metoda ispitivanja (EN 10291:2000)  
Metallic materials – Uniaxial creep testing in tension – Method of test (EN 10291:2000)  
- zamijenjena s: HRN EN ISO 204:2010

HRN EN ISO 19879:2008 en  
Metalni cijevni spojevi za hidrauliku i opću uporabu – Ispitne metode za hidraulične spojnice (ISO 19879:2005; EN ISO 19879:2005)  
Metallic tube connections for fluid power and general use – Test methods for hydraulic fluid power connections (ISO 19879:2005; EN ISO 19879:2005)  
- zamijenjena s: HRN EN ISO 19879:2010

HRN EN ISO 19879:2008/Ispr.1:2009 en  
Metalni cijevni spojevi za hidrauliku i opću uporabu – Ispitne metode za hidraulične spojnice (ISO 19879:2005/Cor 1:2007; EN ISO 19879:2005/AC:2009)  
Metallic tube connections for fluid power and general use – Test methods for hydraulic fluid power connections (ISO 19879:2005/Cor 1:2007; EN ISO 19879:2005/AC:2009)  
- zamijenjena s: HRN EN ISO 19879:2010

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

HRN EN ISO 11130:2004 en  
Korozija metala i legura – Ispitivanje izmjeničnim uranjanjem u otopinu soli (ISO 11130:1999; EN ISO 11130:1999)  
Corrosion of metals and alloys – Alternate immersion test in salt solution (ISO 11130:1999; EN ISO 11130:1999)  
- zamijenjena s: HRN EN ISO 11130:2010

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

HRN EN 334:2008 en  
Regulatori tlaka plina za ulazni tlak do 100 bara (EN 334:2005)  
Gas pressure regulators for inlet pressures up to 100 bar (EN 334:2005)  
- zamijenjena s: HRN EN 334:2010

HRN EN 1474:2000 en  
Instalacije i oprema za ukapljeni prirodni plin – Projektiranje i ispitivanje utakačko / istakačkih ruku (EN 1474:1997)  
Installations and equipment for liquefied natural gas – Design and testing of loading / unloading arms (EN 1474:1997)  
- zamijenjena s: HRN EN 1474-1:2010

HRN EN 1594:2001 en  
Plinski opskrbeni sustavi – Cjevovodi za maksimalni radni tlak iznad 16 bar – Funkcionalni zahtjevi (EN 1594:2000)

Gas supply systems – Pipelines for maximum operating pressure over 16 bar – Functional requirements (EN 1594:2000)  
- zamijenjena s: HRN EN 1594:2010

HRN EN 14382:2008 en  
Safety devices for gas pressure regulating stations and installations – Gas safety shut-off devices for inlet pressures up to 100 bar (EN 14382:2005)  
- zamijenjena s: HRN EN 14382:2010

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

HRN EN ISO 445:2001 en  
Palete za rukovanje materijalima – Rječnik (ISO 445:1996; EN ISO 445:1998)  
Pallets for materials handling – Vocabulary (ISO 445:1996; EN ISO 445:1998)  
- zamijenjena s: HRN EN ISO 445:2010

HRN EN 13029:2004 en  
Ambalaža – Tankostijena metalna ambalaža – Otvori za utične plastične čepove (EN 13029:2001)  
Packaging – Light-gauge metal packaging – Apertures for plug-in plastic closures (EN 13029:2001)  
- zamijenjena s: HRN EN 13029:2010

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

HRN EN 13301:2004 en  
Bitumen i bitumenska veziva – Određivanje sklonosti bitumena izdvajanju uljnih komponenti (EN 13301:2003)  
Bitumen and bituminous binders – Determination of staining tendency of bitumen (EN 13301:2003)  
- zamijenjena s: HRN EN 13301:2010

HRN EN 13302:2004 en  
Bitumen i bitumenska veziva – Određivanje viskoznosti rotacijskim viskozimetrom (EN 13302:2003)  
Bitumen and bituminous binders – Determination of viscosity of bitumen using a rotating spindle apparatus (EN 13302:2003)  
- zamijenjena s: HRN EN 13302:2010

HRN EN 13358:2006 en  
Bitumen i bitumenska veziva – Određivanje destilacijskih svojstava proizvoda od razrijeđenoga bitumena (EN 13358:2004)  
Bitumen and bituminous binders – Determination of the distillation characteristics of petroleum cut-back bitumen products (EN 13358:2004)  
- zamijenjena s: HRN EN 13358:2010

HRN EN 13398:2004 en  
Bitumen i bitumenska veziva – Određivanje elastičnog povrata modificiranog bitumena (EN 13398:2003)  
Bitumen and bituminous binders – Determination of the elastic recovery of modified bitumen (EN 13398:2003)  
- zamijenjena s: HRN EN 13398:2010

HRN EN 13399:2004 en  
Bitumen i bitumenska veziva – Određivanje stabilnosti pri skladištenju modificiranog bitumena (EN 13399:2003)  
Bitumen and bituminous binders – Determination of storage stability of modified bitumen (EN 13399:2003)  
- zamijenjena s: HRN EN 13399:2010

HRN EN 13587:2004 en  
Bitumen i bitumenska veziva – Određivanje vlačnih svojstava bitumenskih veziva metodom rastezanja (EN 13587:2003)  
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method (EN 13587:2003)  
- zamijenjena s: HRN EN 13587:2010

- HRN EN 13632:2004 en  
Bitumen i bitumenska veziva – Vizualno određivanje dispergiranosti polimera u polimerom modificiranom bitumenu (EN 13632:2003)  
Bitumen and bituminous binders – Visualisation of polymer dispersion in polymer modified bitumen (EN 13632:2003)  
- zamijenjena s: HRN EN 13632:2010
- HRN EN 13702-1:2004 en  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti modificiranog bitumena – 1. dio: Metoda stošca i ploče (EN 13702-1:2003)  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen – Part 1: Cone and plate method (EN 13702-1:2003)  
- zamijenjena s: HRN EN 13702:2010
- HRN EN 13702-2:2004 en  
Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti modificiranog bitumena – 2. dio: Metoda s koaksijalnim viskozimetrom (EN 13702-2:2003)  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen – Part 2: Coaxial cylinder method (EN 13702-2:2003)  
- zamijenjena s: HRN EN 13702:2010
- HRN EN 14023:2005 en  
Bitumen i bitumenska veziva – Okvirna specifikacija za polimerom modificirane bitumene (EN 14023:2005)  
Bitumen and bituminous binders – Framework specification for polymer modified bitumens (EN 14023:2005)  
- zamijenjena s: HRN EN 14023:2010
- HRN EN 14733:2005 en  
Bitumen i bitumenska veziva – Proizvođačka kontrola pri proizvodnji bitumenskih emulzija, omekšanog i razrijeđenog bitumena (EN 14733:2005)  
Bitumen and bituminous binders – Bituminous emulsions, fluxed and cut-back bitumen factory production control (EN 14733:2005)  
- zamijenjena s: HRN EN 14733:2010
- HRN EN 14896:2008 en  
Bitumen i bitumenska veziva – Dinamička viskoznost bitumenskih emulzija, razrijeđenih i omekšanih bitumenskih veziva – Postupak viskozimetra s rotirajućim vretenom (EN 14896:2006)  
Bitumen and bituminous binders – Dynamic viscosity of bituminous emulsions, cut-back and fluxed bituminous binders – Rotating spindle viscometer method (EN 14896:2006)  
- zamijenjena s: HRN EN 13302:2010

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

- HRN EN 12663:2007 en  
Oprema za željeznice – Konstrukcijski zahtjevi za sanduk željezničkih vozila (EN 12663:2000)  
Railway applications – Structural requirements of railway vehicle bodies (EN 12663:2000)  
- zamijenjena s: HRN EN 12663-1:2010
- HRN EN 13674-4:2007 en  
Oprema za željeznice – Željeznički gornji ustroj – Tračnica – 4. dio: Vignoleove željezničke tračnice mase od 27 kg/m do isključivo 46 kg/m (EN 13674-4:2006)  
Railway applications – Track – Rail – Part 4: Vignole railway from 27 kg/m to, but excluding 46 kg/m (EN 13674-4:2006)  
- zamijenjena s: HRN EN 13674-4:2010
- HRN EN 13803-2:2008 en  
Oprema za željeznicu – Kolosijek – Parametri za projektiranje geometrije kolosijeka – Širine kolosijeka 1435 mm i više – 2. dio: Skretnice i križišta te druga slična projektna oblikovanja s naglim promjenama zakrivljenosti (EN 13803-2:2006+AC:2007)

Railway applications – Track – Track alignment design parameters – Track gauges 1435 mm and wider – Part 2: Switches and crossings and comparable alignment design situations with abrupt changes of curvature (EN 13803-2:2006+AC:2007)  
- zamijenjena s: HRN EN 13803-2:2010

- HRN EN 14811:2007 en  
Oprema za željeznice – Željeznički gornji ustroj – Tračnice za posebne namjene – Žljebaste i pridružene konstrukcije (EN 14811:2006)  
Railway applications – Track – Special purpose rail – Grooved and associated construction (EN 14811:2006)  
- zamijenjena s: HRN EN 14811:2010

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

- HRN EN 14658:2008 en  
Uređaji i sustavi za neprekidnu dobavu – Opći zahtjevi za sigurnost opreme za neprekidnu dobavu za otvorene rudnike lignita (EN 14658:2005)  
Continuous handling equipment and systems – General safety requirements for continuous handling equipment for opencast lignite mining (EN 14658:2005)  
- zamijenjena s: HRN EN 14658:2010

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

- HRN EN ISO 179-1:2005 en  
Plastika – Određivanje svojstava žilavosti po Charpyju – 1. dio: Računska metoda (ISO 179-1:2000; EN ISO 179-1:2000)  
Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test (ISO 179-1:2000; EN ISO 179-1:2000)  
- zamijenjena s: HRN EN ISO 179-1:2010
- HRN EN ISO 179-1:2005/A1:2008 en  
Plastika – Određivanje žilavosti po Charpyju – 1. dio: Računska metoda (ISO 179-1:2000/Amd 1:2005; EN ISO 179-1:2000/A1:2005)  
Plastics – Determination of Charpy impact properties – Part 1: Non-instrumented impact test (ISO 179-1:2000/Amd 1:2005; EN ISO 179-1:2000/A1:2005)  
- bez zamjene
- HRN EN ISO 1628-3:2008 en  
Plastika – Određivanje viskoznosti razrijeđenih polimernih otopina kapilarnim viskozimetrom – 3. dio: Polietileni i polipropileni (ISO 1628-3:2001; EN ISO 1628-3:2003)  
Plastics – Determination of the viscosity of polymers in dilute solution using capillary viscometers – Part 3: Polyethylenes and polypropylenes (ISO 1628-3:2001; EN ISO 1628-3:2003)  
- zamijenjena s: HRN EN ISO 1628-3:2010
- HRN EN ISO 4080:2009 en  
Gumena i plastična crijeva i crijevni uređaji – Određivanje plinopropusnosti (ISO 4080:1991; EN ISO 4080:1995)  
Rubber and plastics hoses and hose assemblies – Determination of permeability to gas (ISO 4080:1991; EN ISO 4080:1995)  
- zamijenjena s: HRN EN ISO 4080:2010
- HRN EN ISO 7231:2008 en  
Savitljivi pjenasti polimerni materijali – Metode procjene protoka zraka pri stalnom tlaku (ISO 7231:1984; EN ISO 7231:1997)  
Polymeric materials, cellular flexible – Method of assessment of air flow value at constant pressure-drop (ISO 7231:1984; EN ISO 7231:1997)  
- zamijenjena s: HRN EN ISO 7231:2010

HRN EN 13245-1:2008 en  
Plastika – Profili od neomekšanog poli(vinil-klorida) (PVC-U) za primjenu u građevinarstvu – 1. dio: Označivanje svijetlobojenih profila (EN 13245-1:2004)  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U) profiles for building applications – Part 1: Designation of light coloured profiles (EN 13245-1:2004)  
- zamijenjena s: HRN EN 13245-1:2010

HRN EN 13765:2008 en  
Plastomerna višeslojna (gumena) crijeva i pribori za prijenos ugljikovodika, otapala i kemikalija – Specifikacije (EN 13765:2003)  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of hydrocarbons, solvents and chemicals – Specification (EN 13765:2003)  
- zamijenjena s: HRN EN 13765:2010

HRN EN 13766:2008 en  
Plastomerna višeslojna, neumrežena crijeva i crijevni uređaji za prijenos ukapljenog naftnog plina i ukapljenoga prirodnog plina – Specifikacija (EN 13766:2003)  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas – Specification (EN 13766:2003)  
- zamijenjena s: HRN EN 13766:2010

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

HRN EN 14116:2009 en  
Spremnici za prijevoz opasnih tvari – Digitalni međusklop uređaja za prepoznavanje proizvoda (EN 14116:2007+A1:2008)  
Tanks for transport of dangerous goods – Digital interface for the product recognition device (EN 14116:2007+A1:2008)  
- zamijenjena s: HRN EN 14116:2010

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

HRN EN 1744-1:2004 en  
Ispitivanja kemijskih svojstava agregata – 1. dio: Kemijska analiza (EN 1744-1:1998)  
Tests for chemical properties of aggregates – Part 1: Chemical analysis (EN 1744-1:1998)  
- zamijenjena s: HRN EN 1744-1:2010

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

HRN EN 20286-2:2008 en  
ISO sustav graničnih izmjera i dosjeda – 2. dio: Tablice stupnjeva standardne tolerancije i graničnih odstupanja za provrte i rukavce (ISO 286-2:1988; EN 20286-2:1993)  
ISO system of limits and fits – Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts (ISO 286-2:1988; EN 20286-2:1993)  
- zamijenjena s: HRN EN ISO 286-2:2010

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

HRN EN ISO 105-D01:2003 en  
Tekstil – Ispitivanje postojanosti obojenja – Dio D01: Postojanost obojenja na kemijsko čišćenje (ISO 105-D01:1993; EN ISO 105-D01:1995)  
Textiles – Tests for colour fastness – Part D01: Colour fastness to dry cleaning (ISO 105-D01:1993; EN ISO 105-D01:1995)  
- zamijenjena s: HRN EN ISO 105-D01:2010

HRN ISO 1833:2003 en  
Tekstil – Dvojne mješavine vlakana – Kvantitativna kemijska analiza (ISO 1833:1977+Amd 1:1980)  
Textiles – Binary fibre mixtures – Quantitative chemical analysis (ISO 1833:1977+Amd 1:1980)  
- zamijenjena s: HRN EN ISO 1833-1:2010 do HRN EN ISO 1833-

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

HRN EN 12817:2003 en  
Pregled i ponovno potvrđivanje nadzemnih spremnika za UNP do uključivo 13 m<sup>3</sup> (EN 12817:2002)  
Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> overground (EN 12817:2002)  
- zamijenjena s: HRN EN 12817:2010

HRN EN 12817:2003/A1:2008 en  
Oprema i pribor za UNP – Pregled i ponovno potvrđivanje nadzemnih spremnika za UNP do uključivo 13 m<sup>3</sup> (EN 12817:2002/A1:2006+AC:2006)  
LPG equipment and accessories – Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> overground (EN 12817:2002/A1:2006+AC:2006)  
- zamijenjena s: HRN EN 12817:2010

HRN EN 12818:2003 en  
Pregled i ponovno potvrđivanje podzemnih spremnika za UNP do uključivo 13 m<sup>3</sup> (EN 12818:2002)  
Inspection and requalification of LPG tanks up to and including 13 m<sup>3</sup> underground (EN 12818:2002)  
- zamijenjena s: HRN EN 12817:2010

HRN EN 12818:2003/A1:2008 en  
Oprema i pribor za UNP – Pregled i ponovno potvrđivanje podzemnih spremnika za UNP do uključivo 13 m<sup>3</sup> (EN 12818:2002/A1:2006)  
LPG equipment and accessories – Inspection and re-qualification of LPG tanks up to and including 13 m<sup>3</sup> underground (EN 12818:2002/A1:2006)  
- zamijenjena s: HRN EN 12817:2010

HRN EN 12819:2003 en  
Pregled i ponovno potvrđivanje nadzemnih spremnika za UNP vodenog kapaciteta većeg od 13 m<sup>3</sup> (EN 12819:2002)  
Inspection and requalification of LPG tanks greater than 13 m<sup>3</sup> overground (EN 12819:2002)  
- zamijenjena s: HRN EN 12819:2010

#### **HZN/TO E20, Električni kabeli**

HRN EN 61138:2007 en  
Kabeli za prenosiva uzemljenja i kratkospojnu opremu (IEC 61138:1994+A1:1995, mod.; EN 61138:1997+A11:2003)  
Cables for portable earthing and short-circuiting equipment (IEC 61138:1994+A1:1995, mod.; EN 61138:1997+A11:2003)  
- zamijenjena s: HRN EN 61138:2008

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

HRN EN ISO 4498:2008 en  
Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness (ISO 4498:2005; EN ISO 4498:2007)  
- zamijenjena s: HRN EN ISO 4498:2010

## 1.5 Povučeni nacrti hrvatskih norma

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

nHRN EN 590 hr pp/na  
Goriva za motorna vozila – Dizelsko gorivo – Zahtjevi i metode ispitivanja (EN 590:2009+A1:2010)  
Automotive fuels – Diesel – Requirements and test methods (EN 590:2009+A1:2010)

## 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 E500, *Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama*

#### • umjesto

HRN EN 61000-4-27:2001  
Elektromagnetska kompatibilnost (EMC) – Dio 4-27: Ispitne i mjerne tehnike – Ispitivanje otpornosti na nesimetriju (IEC 61000-4-27:2000; EN 61000-4-27:2000)  
Electromagnetic compatibility (EMC) – Part 4-27: Testing and measurement techniques – Unbalance, immunity test (IEC 61000-4-27:2000; EN 61000-4-27:2000)

#### • treba biti

HRN EN 61000-4-27:2001  
Elektromagnetska kompatibilnost (EMC) – Dio 4-27: Ispitne i mjerne tehnike – Ispitivanje otpornosti na nesimetriju za opremu čija ulazna struja ne prelazi 16 A po fazi (IEC 61000-4-27:2000; EN 61000-4-27:2000)  
Electromagnetic compatibility (EMC) – Part 4-27: Testing and measurement techniques – Unbalance, immunity test for equipment with input current not exceeding 16 A per phase (IEC 61000-4-27:2000; EN 61000-4-27:2000)

## 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 146, *Kakvoća zraka*

HRN EN 13725:2008  
Kvaliteta zraka – Određivanje koncentracije mirisa metodom dinamičke olfaktometrije (EN 13725:2003+AC:2006)  
Air quality – Determination of odour concentration by dynamic olfactometry (EN 13725:2003+AC:2006)

HRI CEN/TR 15278:2008  
Profesionalna izloženost – Strategija za vrednovanje izloženosti kože (CEN/TR 15278:2006)  
Workplace exposure – Strategy for the evaluation of dermal exposure (CEN/TR 15278:2006)

HRS CEN/TS 15279:2008  
Profesionalna izloženost – Mjerenje izloženosti kože – Načela i metode (CEN/TS 15279:2006)  
Workplace exposure – Measurement of dermal exposure – Principles and methods (CEN/TS 15279:2006)

HRN EN 15445:2008  
Fugitivne i difuzne emisije značajne za industriju – Kvalifikacija fugitivnih izvora prašine uporabom reverznog disperzijskog modeliranja

(EN 15445:2008)

Fugitive and diffuse emissions of common concern to industry sectors – Qualification of fugitive dust sources by Reverse Dispersion Modelling (EN 15445:2008)

HRN EN ISO 16000-15:2008

Zrak u zatvorenom prostoru – 15. dio : Strategija uzorkovanja dušikovog dioksida (NO<sub>2</sub>) (ISO 16000-15:2008; EN ISO 16000-15:2008)  
Indoor air – Part 15: Sampling strategy for nitrogen dioxide (NO<sub>2</sub>) (ISO 16000-15:2008; EN ISO 16000-15:2008)

HRN EN ISO 16000-9:2008

Zrak u zatvorenom prostoru – 9. dio : Određivanje emisije hlapljivih organskih spojeva iz građevnih proizvoda i proizvoda za namještanje prostora – Metoda emisijske ispitne komore (ISO 16000-9:2006+Cor 1:2007; EN ISO 16000-9:2006+AC:2007)  
Indoor air – Part 9: Determination of the emission of volatile organic compounds from building products and furnishing – Emission test chamber method (ISO 16000-9:2006+Cor 1:2007; EN ISO 16000-9:2006+AC:2007)

HRN EN ISO 16017-1:2008

Zrak u zatvorenom prostoru, vanjski zrak i zrak u radnom prostoru – Uzorkovanje i analiza hlapljivih organskih spojeva pomoću sorbenta (adsorpcijskim sredstvom)/toplinskom desorpcijom/kapilarnom plinskom kromatografijom – 1. dio: Uzorkovanje prisvajanjem (ISO 16017-1:2000; EN ISO 16017-1:2000)  
Indoor, ambient and workplace air – Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography – Part 1: Pumped sampling (ISO 16017-1:2000; EN ISO 16017-1:2000)

HRN EN ISO 16017-2:2008

Zrak u zatvorenom prostoru, vanjski zrak i zrak u radnom prostoru – Uzorkovanje i analiza hlapljivih organskih spojeva pomoću sorbenta (adsorpcijskim sredstvom)/toplinskom desorpcijom/kapilarnom plinskom kromatografijom – 2. dio: Uzorkovanje difuzijom (ISO 16017-2:2003; EN ISO 16017-2:2003)  
Indoor, ambient and workplace air – Sampling and analysis of volatile organic compounds by sorbent tube/thermal desorption/capillary gas chromatography – Part 2: Diffusive sampling (ISO 16017-2:2003; EN ISO 16017-2:2003)

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

### 01.020 Nazivlje (načela i usklađivanje)

#### Međunarodna normizacija (ISO)

ISO 29383:2010  
Terminology policies — Development and implementation

### 01.040.13 Zaštita okoliša i zdravlja. Sigurnost (Rječnici)

#### Europska normizacija

EN 61508-4:2010  
Functional safety of electrical/electronic/programmable  
electronic safety-related systems — Part 4: Definitions  
and abbreviations (IEC 61508-4:2010)

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

#### Međunarodna normizacija (ISO)

ISO 25178-601:2010  
Geometrical product specifications (GPS) — Surface  
texture: Areal — Part 601: Nominal characteristics of  
contact (stylus) instruments

ISO 25178-602:2010  
Geometrical product specifications (GPS) — Surface  
texture: Areal — Part 602: Nominal characteristics of  
non-contact (confocal chromatic probe) instruments

ISO 25178-701:2010  
Geometrical product specifications (GPS) — Surface  
texture: Areal — Part 701: Calibration and measurement  
standards for contact (stylus) instruments

### 01.040.23 Fluidički sustavi i sastavnice za opću uporabu (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 13349:2010  
Fans — Vocabulary and definitions of categories

#### Europska normizacija

EN ISO 13349:2010  
Fans — Vocabulary and definitions of categories  
(ISO 13349:2010)

### 01.040.25 Proizvodna tehnika (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 8695:2010  
Tools for pressing — Punches — Nomenclature and  
terminology

### 01.040.29 Elektrotehnika (Rječnici)

#### Međunarodna normizacija (IEC)

IEC 60050-212:2010  
International Electrotechnical Vocabulary — Part 212:  
Electrical insulating solids, liquids and gases

IEC 60050-447:2010  
International Electrotechnical Vocabulary — Part 447:  
Measuring relays

IEC 60050-732:2010

International Electrotechnical Vocabulary — Part 732:  
Computer network technology

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

#### Međunarodna normizacija (IEC)

IEC 60050-732:2010  
International Electrotechnical Vocabulary — Part 732:  
Computer network technology

### 01.040.53 Oprema za rukovanje gradivima (Rječnici)

#### Europska normizacija

EN 15878:2010  
Steel static storage systems — Terms and definitions

### 01.040.71 Kemijska tehnologija (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 18115-1:2010  
Surface chemical analysis — Vocabulary — Part 1:  
General terms and terms used in spectroscopy

ISO 18115-2:2010  
Surface chemical analysis — Vocabulary — Part 2:  
Terms used in scanning-probe microscopy

### 01.040.73 Rudarstvo i rude (Rječnici)

#### Međunarodna normizacija (ISO)

ISO 11323:2010  
Iron ore and direct reduced iron — Vocabulary

### 01.040.93 Niskogradnja (Rječnici)

#### Europska normizacija

EN 1317-1:2010  
Road restraint systems — Part 1: Terminology and  
general criteria for test methods

### 01.080.01 Grafički znakovi općenito

#### Međunarodna normizacija (ISO)

ISO 81714-1:2010  
Design of graphical symbols for use in the technical  
documentation of products — Part 1: Basic rules

#### Europska normizacija

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)

### 01.080.20 Grafički znakovi za uporabu na posebnoj opremi

#### Međunarodna normizacija (ISO)

ISO 2575:2010  
Road vehicles — Symbols for controls, indicators and  
tell-tales

## 01.100.01 Opća pravila crtanja

### Međunarodna normizacija (ISO)

ISO 5457:1999/Amd 1:2010  
Technical product documentation – Sizes and layout of drawing sheets; Amendment 1

### Europska normizacija

EN ISO 5457:1999/A1:2010  
Technical product documentation – Sizes and layout of drawing sheets – Amendment 1  
(ISO 5457:1999/Amd 1:2010)

## 01.100.25 Crteži u elektrotehnici i elektronicima

### Međunarodna normizacija (IEC)

IEC 60191-6-18:2010  
Corrigendum 2 – Mechanical standardization of semiconductor devices – Part 6-18: General rules for the preparation of outline drawings of surface mounted semiconductor device packages – Design guide for ball grid array (BGA)

## 01.110 Tehnička dokumentacija o proizvodu

### Međunarodna normizacija (ISO)

ISO 81714-1:2010  
Design of graphical symbols for use in the technical documentation of products – Part 1: Basic rules

### Europska normizacija

EN ISO 5457:1999/A1:2010  
Technical product documentation – Sizes and layout of drawing sheets – Amendment 1  
(ISO 5457:1999/Amd 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)

## 01.120 Normizacija. Opća pravila

### Europska normizacija

CEN/CENELEC Guide 8:2010  
CEN/CENELEC guidelines for implementation of the common IPR policy (patents and statutory intellectual property rights based on inventions)

CEN/CLC Guide 10:2010  
Guidelines for the distribution and sales of CEN-CENELEC publications

CEN/CLC Guide 17:2010  
Guidance for writing standards taking into account micro, small and medium-sized enterprises (SMEs) needs

## 01.140.20 Informacijske znanosti

### Međunarodna normizacija (ISO)

ISO 639-4:2010  
Codes for the representation of names of languages – Part 4: General principles of coding of the representation of names of languages and related entities, and application guidelines

ISO 690:2010

Information and documentation – Guidelines for bibliographic references and citations to information resources

### Europska normizacija

CWA 16138:2010  
Classification and catalogue systems used in electronic public and private procurement

## 03.060 Financije. Bankarstvo. Monetarni sustavi. Osiguranje

### Međunarodna normizacija (ISO)

ISO/TR 14742:2010  
Financial services – Recommendations on cryptographic algorithms and their use

## 03.080.10 Industrijske usluge

### Europska normizacija

EN 15900:2010  
Energy efficiency services – Definitions and requirements

## 03.100.10 Nabava. Opskrba. Upravljanje zalihama

### Europska normizacija

CWA 16138:2010  
Classification and catalogue systems used in electronic public and private procurement

## 03.120.10 Upravljanje kakvoćom i osiguravanje kakvoće

### Međunarodna normizacija (IEC)

IEC 62508:2010  
Guidance on human aspects of dependability

### Europska normizacija

EN 9104-003:2010  
Aerospace series – Quality management systems – Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification

EN 9110:2010  
Quality Management Systems – Requirements for Aviation Maintenance Organizations

EN 9120:2010  
Quality Management Systems – Requirements for Aviation, Space and Defence Distributors

## 03.140 Patenti. Intelektualno vlasništvo

### Europska normizacija

CEN/CENELEC Guide 8:2010  
CEN/CENELEC guidelines for implementation of the common IPR policy (patents and statutory intellectual property rights based on inventions)

## 03.220.01 Prijevoz općenito

### Međunarodna normizacija (ISO)

ISO 14813-5:2010  
Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 5: Requirements for architecture description in ITS standards

### Međunarodna normizacija (IEC)

IEC 62523:2010  
Radiation protection instrumentation – Cargo/vehicle radiographic inspection system

## 03.220.20 Cestovni prijevoz

### Međunarodna normizacija (ISO)

ISO 24534-1:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 1: Architecture

ISO 24534-2:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 2: Operational requirements

ISO 24534-3:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 3: Vehicle data

ISO 24534-4:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques

### Europska normizacija

CEN/TR 16040:2010  
Electronic fee collection – Requirements for urban dedicated short-range communication

EN ISO 24534-1:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 1: Architecture (ISO 24534-1:2010)

EN ISO 24534-2:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 2: Operational requirements (ISO 24534-2:2010)

EN ISO 24534-3:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 3: Vehicle data (ISO 24534-3:2010)

EN ISO 24534-4:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques (ISO 24534-4:2010)

## 07.030 Fizika. Kemija

### Međunarodna normizacija (ISO)

ISO/TR 11360:2010  
Nanotechnologies – Methodology for the classification and categorization of nanomaterials

## 07.060 Geologija. Meteorologija. Hidrologija

### Europska normizacija

EN 13798:2010  
Hydrometry – Specification for a reference rain gauge pit

## 07.100.99 Druge norme koje se odnose na mikrobiologiju

### Međunarodna normizacija (ISO)

ISO 29621:2010  
Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products

## 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

### Međunarodna normizacija (ISO)

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

ISO 11990-2:2010  
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs

### Europska normizacija

EN 60601-1-11:2010  
Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment (IEC 60601-1-11:2010)

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

EN ISO 11990-2:2010  
Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs (ISO 11990-2:2010)

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija (ISO)

ISO 8362-6:2010  
Injection containers and accessories – Part 6: Caps made of aluminium-plastics combinations for injection vials

ISO 15375:2010  
Medical infusion bottles – Suspension devices for multiple use – Requirements and test methods

ISO 22413:2010  
Transfer sets for pharmaceutical preparations – Requirements and test methods



## 11.040.40 Implantati za kirurgiju, protetiku i ortotiku

### Međunarodna normizacija (ISO)

- ISO 7206-4:2010  
Implants for surgery – Partial and total hip joint prostheses – Part 4: Determination of endurance properties and performance of stemmed femoral components
- ISO 17853:2010  
Wear of implant materials – Polymer and metal wear particles – Isolation and characterization
- ISO 18192-2:2010  
Implants for surgery – Wear of total intervertebral spinal disc prostheses – Part 2: Nucleus replacements
- ISO 8637:2010  
Cardiovascular implants and extracorporeal systems – Haemodialysers, haemodiafilters, haemofilters and haemoconcentrators
- ISO 8638:2010  
Cardiovascular implants and extracorporeal systems – Extracorporeal blood circuit for haemodialysers, haemodiafilters and haemofilters
- ISO 13960:2010  
Cardiovascular implants and extracorporeal systems – Plasmafilters

## 11.040.50 Radiografska i druga dijagnostička oprema

### Europska normizacija

- EN 60601-2-43:2010  
Medical electrical equipment – Part 2-43: Particular requirements for basic safety and essential performance of X-ray equipment for interventional procedures (IEC 60601-2-43:2010)

## 11.040.70 Oftalmološka oprema

### Međunarodna normizacija (ISO)

- ISO 10342:2010  
Ophthalmic instruments – Eye refractometers
- ISO 12867:2010  
Ophthalmic instruments – Trial frames

### Europska normizacija

- EN 14139:2010  
Ophthalmic optics – Specifications for ready-to-wear spectacles
- EN ISO 10342:2010  
Ophthalmic instruments – Eye refractometers (ISO 10342:2010)
- EN ISO 12867:2010  
Ophthalmic instruments – Trial frames (ISO 12867:2010)

## 11.060.10 Zubarska gradiva

### Međunarodna normizacija (ISO)

- ISO 28319:2010  
Dentistry – Laser welding

### Europska normizacija

- EN ISO 28319:2010  
Dentistry – Laser welding (ISO 28319:2010)

## 11.060.15 Zubni usadci

### Međunarodna normizacija (ISO)

- ISO 10451:2010  
Dentistry – Contents of technical file for dental implant systems

### Europska normizacija

- EN ISO 10451:2010  
Dentistry – Contents of technical file for dental implant systems (ISO 10451:2010)
- EN ISO 11953:2010  
Dentistry – Implants – Clinical performance of hand torque instruments (ISO 11953:2010)

## 11.060.25 Zubarski instrumenti

### Međunarodna normizacija (ISO)

- ISO 11953:2010  
Dentistry – Implants – Clinical performance of hand torque instruments

## 11.100.20 Biološka ocjena medicinskih uređaja

### Međunarodna normizacija (ISO)

- ISO 10993-1:2009/Cor 1:2010  
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process; Technical Corrigendum 1
- ISO 10993-13:2010  
Biological evaluation of medical devices – Part 13: Identification and quantification of degradation products from polymeric medical devices

### Europska normizacija

- EN ISO 10993-1:2009/AC:2010  
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process – Technical Corrigendum 1 (ISO 10993-1:2009/Cor 1:2010)
- EN ISO 10993-13:2010  
Biological evaluation of medical devices – Part 13: Identification and quantification of degradation products from polymeric medical devices (ISO 10993-13:2010)

## 11.120.99 Druge norme koje se odnose na ljekarništvo

### Europska normizacija

- EN 15823:2010  
Packaging – Braille on packaging for medicinal products

## 11.180.30 Pomagala za čitanje

### Europska normizacija

- EN 15823:2010  
Packaging – Braille on packaging for medicinal products

### 13.030.20 Tekući otpad. Talog

#### Europska normizacija

- CEN/TR 13097:2010  
Characterization of sludges – Good practice for sludge utilisation in agriculture
- CEN/TR 13714:2010  
Characterization of sludges – Sludge management in relation to use or disposal

### 13.040.20 Kakvoća zraka u okolišu

#### Europska normizacija

- EN 15852:2010  
Ambient air quality – Standard method for the determination of total gaseous mercury
- EN 15853:2010  
Ambient air quality – Standard method for the determination of mercury deposition

### 13.040.30 Kakvoća zraka na radnome mjestu

#### Europska normizacija

- CEN/TR 16013-1:2010  
Workplace exposure – Guide for the use of direct-reading instruments for aerosol monitoring – Part 1: Choice of monitor for specific applications
- CEN/TR 16013-2:2010  
Workplace exposure – Guide for the use of direct-reading instruments for aerosol monitoring – Part 2: Evaluation of airborne particle concentrations using Optical Particle Counters

### 13.040.40 Ispuštanja iz nepomičnih izvora

#### Međunarodna normizacija (ISO)

- ISO 21258:2010  
Stationary source emissions – Determination of the mass concentration of dinitrogen monoxide (N<sub>2</sub>O) – Reference method: Non-dispersive infrared method

#### Europska normizacija

- EN 12753:2005+A1:2010  
Thermal cleaning systems for exhaust gas from surface treatment equipment – Safety requirements
- EN ISO 21258:2010  
Stationary source emissions – Determination of the mass concentration of dinitrogen monoxide (N<sub>2</sub>O) – Reference method: Non-dispersive infrared method (ISO 21258:2010)

### 13.060.20 Voda za piće

#### Europska normizacija

- EN 60335-2-109:2010  
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances (IEC 60335-2-109:2010)

### 13.060.60 Ispitivanje fizikalnih svojstava vode

#### Međunarodna normizacija (ISO)

- ISO 11704:2010  
Water quality – Measurement of gross alpha and beta activity concentration in non-saline water – Liquid scintillation counting method

ISO 21338:2010

Water quality – Kinetic determination of the inhibitory effects of sediment, other solids and coloured samples on the light emission of *Vibrio fischeri* (kinetic luminescent bacteria test)

### 13.060.70 Ispitivanje biologijskih svojstava vode

#### Međunarodna normizacija (ISO)

- ISO 10710:2010  
Water quality – Growth inhibition test with the marine and brackish water macroalga *Ceramium tenuicorne*
- ISO 10872:2010  
Water quality – Determination of the toxic effect of sediment and soil samples on growth, fertility and reproduction of *Caenorhabditis elegans* (Nematoda)
- ISO 19250:2010  
Water quality – Detection of *Salmonella* spp.

### 13.110 Sigurnost strojeva

#### Međunarodna normizacija (IEC)

- IEC/TR 62061-1:2010  
Guidance on the application of ISO 13849-1 and IEC 62061 in the design of safety-related control systems for machinery

#### Europska normizacija

- EN 894-4:2010  
Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 4: Location and arrangement of displays and control actuators
- EN ISO 14122-4:2004/A1:2010  
Safety of machinery – Permanent means of access to machinery – Part 4: Fixed ladders – Amendment 1 (ISO 14122-4:2004/Amd 1:2010)

### 13.160 Utjecaj vibracija na ljude

#### Međunarodna normizacija (ISO)

- ISO 2631-1:1997/Amd 1:2010  
Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 1: General requirements
- ISO 2631-4:2001/Amd 1:2010  
Mechanical vibration and shock – Evaluation of human exposure to whole-body vibration – Part 4: Guidelines for the evaluation of the effects of vibration and rotational motion on passenger and crew comfort in fixed-guideway transport systems

### 13.180 Ergonomija

#### Međunarodna normizacija (ISO)

- ISO/TR 9241-310:2010  
Ergonomics of human-system interaction – Part 310: Visibility, aesthetics and ergonomics of pixel defects
- ISO 20685:2010  
3-D scanning methodologies for internationally compatible anthropometric databases

#### Međunarodna normizacija (IEC)

- IEC 62508:2010  
Guidance on human aspects of dependability

## Europska normizacija

EN 894-4:2010

Safety of machinery – Ergonomics requirements for the design of displays and control actuators – Part 4: Location and arrangement of displays and control actuators

EN ISO 20685:2010

3-D scanning methodologies for internationally compatible anthropometric databases (ISO 20685:2010)

## 13.200      Zaštita od nezgoda i velikih nesreća

### Europska normizacija

EN 1317-2:2010

Road restraint systems – Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets

EN 1317-3:2010

Road restraint systems – Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions

## 13.220.01    Zaštita od požara općenito

### Međunarodna normizacija (ISO)

ISO 19703:2010

Generation and analysis of toxic gases in fire – Calculation of species yields, equivalence ratios and combustion efficiency in experimental fires

## 13.220.10    Vatrogastvo

### Europska normizacija

EN 1147:2010

Portable ladders for fire service use

## 13.220.40    Zapaljivost i ponašanje pri izgaranju gradiva i proizvoda

### Međunarodna normizacija (ISO)

ISO 9239-1:2010

Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source

ISO 14934-1:2010

Fire tests – Calibration and use of heat flux meters – Part 1: General principles

### Međunarodna normizacija (IEC)

IEC 60695-1-11:2010

Fire hazard testing – Part 1-11: Guidance for assessing the fire hazard of electrotechnical products – Fire hazard assessment

IEC 60695-7-1:2010

Fire hazard testing – Part 7-1: Toxicity of fire effluent – General guidance

### Europska normizacija

EN ISO 9239-1:2010

Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010)

EN 60695-7-1:2010

Fire hazard testing – Part 7-1: Toxicity of fire effluent – General guidance (IEC 60695-7-1:2010)

## 13.220.50    Vatrootpornost građevnih gradiva i elemenata

### Međunarodna normizacija (ISO)

ISO 1716:2010

Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value)

ISO 14934-1:2010

Fire tests – Calibration and use of heat flux meters – Part 1: General principles

### Europska normizacija

EN 16000:2010

Plastics piping systems – Systems within the building structure – Mounting and fixing of components in the test apparatus to thermal attack by a single burning item

EN ISO 1716:2010

Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value) (ISO 1716:2010)

EN 15725:2010

Extended application reports on the fire performance of construction products and building elements

## 13.260      Zaštita od električnog udara

### Europska normizacija

EN 50340:2010

Hydraulic cable cutting devices – Devices to be used on electrical installations with nominal voltage up to AC 30 kV

## 13.280      Zaštita od zračenja

### Europska normizacija

EN 421:2010

Protective gloves against ionizing radiation and radioactive contamination

## 13.310      Zaštita od kriminala

### Međunarodna normizacija (IEC)

IEC 62463:2010

Radiation protection instrumentation – X-ray systems for the screening of persons for security and the carrying of illicit items

## 13.320      Alarmni sustavi i sustavi uzbunjivanja

### Međunarodna normizacija (IEC)

IEC 62642-1:2010

Alarm systems – Intrusion and hold-up systems – Part 1: System requirements

### Europska normizacija

EN 50104:2010

Electrical apparatus for the detection and measurement of oxygen – Performance requirements and test methods

EN 50271:2010

Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen – Requirements and tests for apparatus using software and/or digital technologies

- EN 61508-1:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements (IEC 61508-1:2010)
- EN 61508-2:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems (IEC 61508-2:2010)
- EN 61508-3:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements (IEC 61508-3:2010)
- EN 61508-4:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (IEC 61508-4:2010)
- EN 61508-5:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: Examples of methods for the determination of safety integrity levels (IEC 61508-5:2010)
- EN 61508-6:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (IEC 61508-6:2010)
- EN 61508-7:2010  
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (IEC 61508-7:2010)

### 13.340.20 Zaštitna oprema za glavu

#### Europska normizacija

- EN 1938:2010  
Personal eye protection – Goggles for motorcycle and moped users

### 13.340.40 Zaštitne rukavice

#### Europska normizacija

- EN 421:2010  
Protective gloves against ionizing radiation and radioactive contamination

### 13.340.50 Zaštitna obuća

#### Europska normizacija

- EN 12568:2010  
Foot and leg protectors – Requirements and test methods for toecaps and penetration resistant inserts

### 13.340.60 Oprema za zaštitu od pada

#### Europska normizacija

- EN 354:2010  
Personal fall protection equipment – Lanyards

### 13.340.70 Prsluci za spašavanje i plutajuće naprave

#### Međunarodna normizacija (ISO)

- ISO 12402-2:2006/Amd 1:2010  
Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements – Amendment 1

- ISO 12402-3:2006/Amd 1:2010  
Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements – Amendment 1
- ISO 12402-4:2006/Amd 1:2010  
Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements – Amendment 1
- ISO 12402-5:2006/Amd 1:2010  
Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements – Amendment 1
- ISO 12402-6:2006/Amd 1:2010  
Personal flotation devices – Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods – Amendment 1

#### Europska normizacija

- EN ISO 12402-2:2006/A1:2010  
Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements – Amendment 1 (ISO 12402-2:2006/Amd 1:2010)
- EN ISO 12402-3:2006/A1:2010  
Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements – Amendment 1 (ISO 12402-3:2006/Amd 1:2010)
- EN ISO 12402-4:2006/A1:2010  
Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements – Amendment 1 (ISO 12402-4:2006/Amd 1:2010)
- EN ISO 12402-5:2006/A1:2010  
Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements – Amendment 1 (ISO 12402-5:2006/Amd 1:2010)
- EN ISO 12402-6:2006/A1:2010  
Personal flotation devices – Part 6: Special purpose lifejackets and buoyancy aids – Safety requirements and additional test methods – Amendment 1 (ISO 12402-6:2006/Amd 1:2010)

### 17.040.20 Svojstva površina

#### Europska normizacija

- EN 13036-1:2010  
Road and airfield surface characteristics – Test methods – Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique

### 17.040.30 Mjerila

#### Međunarodna normizacija (ISO)

- ISO 286-2:2010  
Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts
- ISO 25178-601:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Nominal characteristics of contact (stylus) instruments
- ISO 25178-602:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments
- ISO 25178-701:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 701: Calibration and measurement standards for contact (stylus) instruments

## Europska normizacija

- EN ISO 286-2:2010  
Geometrical product specifications (GPS) – ISO code system for tolerances on linear sizes – Part 2: Tables of standard tolerance classes and limit deviations for holes and shafts (ISO 286-2:2010)
- EN ISO 25178-601:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 601: Nominal characteristics of contact (stylus) instruments (ISO 25178-601:2010)
- EN ISO 25178-602:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 602: Nominal characteristics of non-contact (confocal chromatic probe) instruments (ISO 25178-602:2010)
- EN ISO 25178-701:2010  
Geometrical product specifications (GPS) – Surface texture: Areal – Part 701: Calibration and measurement standards for contact (stylus) instruments (ISO 25178-701:2010)

## 17.140.20 Buka koju proizvode strojevi i oprema

### Europska normizacija

- EN ISO 20361:2009/AC:2010  
Liquid pumps and pump units – Noise test code – Grades 2 and 3 of accuracy (ISO 20361:2007)

## 17.200.20 Mjerila temperature

### Međunarodna normizacija (IEC)

- IEC 60737:2010  
Nuclear power plants – Instrumentation important to safety – Temperature sensors (in-core and primary coolant circuit) – Characteristics and test methods

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Međunarodna normizacija (IEC)

- IEC 61010-1:2010  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
- IEC 61010-2-030:2010  
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for testing and measuring circuits
- IEC 60770-1:2010  
Transmitters for use in industrial-process control systems – Part 1: Methods for performance evaluation

## 17.240 Mjerenje zračenja

### Međunarodna normizacija (ISO)

- ISO 11704:2010  
Water quality – Measurement of gross alpha and beta activity concentration in non-saline water – Liquid scintillation counting method

### Međunarodna normizacija (IEC)

- IEC 62209-2:2010/Corr.1:2010  
Corrigendum 1 – Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure

to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)

- IEC 62463:2010  
Radiation protection instrumentation – X-ray systems for the screening of persons for security and the carrying of illicit items
- IEC 62479:2010  
Assessment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
- IEC 62523:2010  
Radiation protection instrumentation – Cargo/vehicle radiographic inspection system
- IEC 62533:2010  
Radiation protection instrumentation – Highly sensitive hand-held instruments for photon detection of radioactive material
- IEC 62534:2010  
Radiation protection instrumentation – Highly sensitive hand-held instruments for neutron detection of radioactive material
- IEC 60462:2010  
Nuclear instrumentation – Photomultiplier tubes for scintillation counting – Test procedures
- IEC 61526:2010  
Radiation protection instrumentation – Measurement of personal dose equivalents Hp(10) and Hp(0,07) for X, gamma, neutron and beta radiations – Direct reading personal dose equivalent meters

### Europska normizacija

- EN 50383:2010  
Basic standard for the calculation and measurement of electromagnetic field strength and SAR related to human exposure from radio base stations and fixed terminal stations for wireless telecommunication systems (110 MHz – 40 GHz)
- EN 62209-2:2010  
Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) (IEC 62209-2:2010)

## 21.100.10 Ravni ležajevi

### Međunarodna normizacija (ISO)

- ISO/TR 27507:2010  
Plain bearings – Recommendations for automotive crankshaft bearing environments

## 21.100.20 Valjni ležajevi

### Međunarodna normizacija (ISO)

- ISO 113:2010  
Rolling bearings – Plummer block housings – Boundary dimensions
- ISO 8443:2010  
Rolling bearings – Radial ball bearings with flanged outer ring – Flange dimensions

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Europska normizacija

- EN 12245:2009/AC:2010  
Transportable gas cylinders — Fully wrapped composite cylinders
- EN ISO 14245:2010  
Gas cylinders — Specifications and testing of LPG cylinder valves — Self-closing (ISO 14245:2006)
- EN ISO 15995:2010  
Gas cylinders — Specifications and testing of LPG cylinder valves — Manually operated (ISO 15995:2006)
- EN ISO 10156:2010/AC:2010  
Gases and gas mixtures — Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets — Technical Corrigendum 1 (ISO 10156:2010/Cor 1:2010)

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Međunarodna normizacija (ISO)

- ISO 13260:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Test method for resistance to combined temperature cycling and external loading

## 23.040.10 Cijevi od lijevanog željeza i čelika

### Europska normizacija

- EN 13941:2009+A1:2010  
Design and installation of preinsulated bonded pipe systems for district heating

## 23.040.15 Cijevi od obojenih kovina

### Europska normizacija

- EN 12735-1:2010  
Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 1: Tubes for piping systems
- EN 12735-2:2010  
Copper and copper alloys — Seamless, round copper tubes for air conditioning and refrigeration — Part 2: Tubes for equipment

## 23.040.20 Plastične cijevi

### Međunarodna normizacija (ISO)

- ISO 13257:2010  
Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling
- ISO 13264:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics fittings — Test method for mechanical strength or flexibility of fabricated fittings
- ISO 13268:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness

### Europska normizacija

- EN 16000:2010  
Plastics piping systems — Systems within the building structure — Mounting and fixing of components in the test apparatus to thermal attack by a single burning item

## 23.040.45 Plastični fitinzi

### Međunarodna normizacija (ISO)

- ISO 13264:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics fittings — Test method for mechanical strength or flexibility of fabricated fittings
- ISO 13268:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness

## 23.040.70 Spojevi sipkih cijevi

### Međunarodna normizacija (ISO)

- ISO 12151-1:2010  
Connections for hydraulic fluid power and general use — Hose fittings — Part 1: Hose fittings with ISO 8434-3 O-ring face seal ends
- ISO 12151-3:2010  
Connections for hydraulic fluid power and general use — Hose fittings — Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends

### Europska normizacija

- EN 13766:2010  
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas — Specification

## 23.060.30 Zasunski ventili

### Europska normizacija

- EN 12288:2010  
Industrial valves — Copper alloy gate valves

## 23.060.40 Regulatori tlaka

### Europska normizacija

- EN 1106:2010  
Manually operated taps for gas burning appliances
- EN 1854:2010  
Pressure sensing devices for gas burners and gas burning appliances

## 23.080 Pumpe

### Europska normizacija

- EN 809:1998+A1:2009/AC:2010  
Pumps and pump units for liquids — Common safety requirements
- CEN/TR 13930:2009/AC:2010  
Rotodynamic pumps — Design of pump intakes — Recommendation for installation of pumps
- CEN/TR 13931:2009/AC:2010  
Rotodynamic pumps — Forces and moments on flanges — Centrifugal, mixed flow and axial flow horizontal and vertical shafts pumps

EN ISO 20361:2009/AC:2010  
Liquid pumps and pump units – Noise test code  
– Grades 2 and 3 of accuracy (ISO 20361:2007)

### **23.100.40 Cijevi i spojke**

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

ISO 12151-1:2010  
Connections for hydraulic fluid power and general use  
– Hose fittings – Part 1: Hose fittings with ISO 8434-3  
O-ring face seal ends

ISO 12151-3:2010  
Connections for hydraulic fluid power and general use  
– Hose fittings – Part 3: Hose fittings with ISO 6162-1  
or ISO 6162-2 flange ends

### **23.120 Ventilatori. Klimatizacijski uređaji**

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

ISO 5151:2010  
Non-ducted air conditioners and heat pumps – Testing  
and rating for performance

ISO 13349:2010  
Fans – Vocabulary and definitions of categories

#### **Europska normizacija**

EN ISO 13349:2010  
Fans – Vocabulary and definitions of categories  
(ISO 13349:2010)

### **25.040.40 Mjerenje i upravljanje u industrijskim procesima**

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

IEC 61784-3-14:2010  
Industrial communication networks – Profiles  
– Part 3-14: Functional safety fieldbuses – Additional  
specifications for CPF 14

IEC 60546-2:2010  
Controllers with analogue signals for use in industrial-  
process control systems – Part 2: Guidance for  
inspection and routine testing

IEC/TR 62061-1:2010  
Guidance on the application of ISO 13849-1 and  
IEC 62061 in the design of safety-related control  
systems for machinery

### **25.060.20 Uređaji za držanje i podjelu oruđa**

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

ISO 5610-1:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 1: General survey, correlation and  
determination of dimensions

ISO 5610-2:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 2: Style A

ISO 5610-3:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 3: Style B

ISO 5610-4:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 4: Style D

ISO 5610-5:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 5: Style F

ISO 5610-6:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 6: Style G

ISO 5610-7:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 7: Style J

ISO 5610-8:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 8: Style K

### **25.080.01 Alatni strojevi općenito**

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

ISO/TR 230-8:2010  
Test code for machine tools – Part 8: Vibrations

### **25.100.01 Alati za rezanje općenito**

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

ISO 5610-9:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 9: Style L

ISO 5610-10:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 10: Style N

ISO 5610-12:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 12: Style S

ISO 5610-13:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 13: Style T

ISO 5610-14:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 14: Style H

ISO 5610-15:2010  
Tool holders with rectangular shank for indexable  
inserts – Part 15: Style V

### **25.120.10 Oprema za kovanje. Preše. Škare**

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

ISO 8695:2010  
Tools for pressing – Punches – Nomenclature and  
terminology

### **25.120.30 Oprema za oblikovanje**

#### **Europska normizacija**

EN 1247:2004+A1:2010  
Foundry machinery – Safety requirements for ladles,  
pouring equipment, centrifugal casting machines,  
continuous and semi continuous casting machines

### **25.140.20 Električni alati**

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

IEC 60745-2-5:2010  
Hand-held motor-operated electric tools – Safety  
– Part 2-5: Particular requirements for circular saws

## Europska normizacija

EN 60745-2-14:2009/A2:2010  
Hand-held motor-operated electric tools – Safety  
– Part 2-14: Particular requirements for planers  
(IEC 60745-2-14:2003/A2:2010)

EN 60745-2-19:2009/A1:2010  
Hand-held motor-operated electric tools – Safety  
– Part 2-19: Particular requirements for jointers  
(IEC 60745-2-19:2005/A1:2010)

## 25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

### Međunarodna normizacija (ISO)

ISO 11745:2010  
Brazing for aerospace applications – Qualification  
test for brazers and brazing operators – Brazing of  
metallic components

## 25.160.10 Procesi zavarivanja

### Europska normizacija

EN 14730-1:2006+A1:2010  
Railway applications – Track – Aluminothermic welding  
of rails – Part 1: Approval of welding processes

## 25.160.20 Potrošna gradiva za zavarivanje

### Međunarodna normizacija (IEC)

IEC 60974-11:2010  
Arc welding equipment – Part 11: Electrode holders

## 25.160.50 Tvrdo i meko lemljenje

### Međunarodna normizacija (ISO)

ISO 17672:2010  
Brazing – Filler metals

### Europska normizacija

EN ISO 17672:2010  
Brazing – Filler metals (ISO 17672:2010)

## 25.220.01 Površinska obradba i premazivanje općenito

### Europska normizacija

EN 12753:2005+A1:2010  
Thermal cleaning systems for exhaust gas from surface  
treatment equipment – Safety requirements

## 25.220.20 Površinska obradba

### Međunarodna normizacija (ISO)

ISO 2143:2010  
Anodizing of aluminium and its alloys – Estimation  
of loss of absorptive power of anodic oxidation  
coatings after sealing – Dye-spot test with prior acid  
treatment

ISO 2931:2010  
Anodizing of aluminium and its alloys – Assessment  
of quality of sealed anodic oxidation coatings by  
measurement of admittance

ISO 3210:2010

Anodizing of aluminium and its alloys – Assessment  
of quality of sealed anodic oxidation coatings by  
measurement of the loss of mass after immersion in  
phosphoric acid/chromic acid solution

ISO 6581:2010

Anodizing of aluminium and its alloys – Determination  
of the comparative fastness to ultraviolet light and heat  
of coloured anodic oxidation coatings

ISO 7599:2010

Anodizing of aluminium and its alloys – General  
specifications for anodic oxidation coatings on  
aluminium

### Europska normizacija

EN ISO 2143:2010

Anodizing of aluminium and its alloys – Estimation  
of loss of absorptive power of anodic oxidation coatings  
after sealing – Dye-spot test with prior acid treatment  
(ISO 2143:2010)

EN ISO 2931:2010

Anodizing of aluminium and its alloys – Assessment  
of quality of sealed anodic oxidation coatings by  
measurement of admittance (ISO 2931:2010)

EN ISO 3210:2010

Anodizing of aluminium and its alloys – Assessment  
of quality of sealed anodic oxidation coatings by  
measurement of the loss of mass after immersion in  
phosphoric acid/chromic acid solution  
(ISO 3210:2010)

EN ISO 6581:2010

Anodizing of aluminium and its alloys – Determination  
of the comparative fastness to ultraviolet light and heat  
of coloured anodic oxidation coatings  
(ISO 6581:2010)

EN ISO 7599:2010

Anodizing of aluminium and its alloys – General  
specifications for anodic oxidation coatings on  
aluminium (ISO 7599:2010)

## 25.220.40 Prevlačenje kovinama

### Europska normizacija

EN 62418:2010

Semiconductor devices – Metallization stress void test  
(IEC 62418:2010)

## 27.060.20 Plinski plamenici

### Europska normizacija

EN 257:2010

Mechanical thermostats for gas-burning appliances

## 27.080 Toplinske pumpe

### Međunarodna normizacija (ISO)

ISO 5151:2010

Non-ducted air conditioners and heat pumps – Testing  
and rating for performance

## 27.120.10 Reaktorska tehnika

### Međunarodna normizacija (ISO)

ISO 26802:2010

Nuclear facilities – Criteria for the design and the  
operation of containment and ventilation systems for  
nuclear reactors



## Međunarodna normizacija (IEC)

IEC 60737:2010  
Nuclear power plants — Instrumentation important to safety — Temperature sensors (in-core and primary coolant circuit) — Characteristics and test methods

## 27.160 Sunčeva energija

### Europska normizacija

EN 62109-1:2010  
Safety of power converters for use in photovoltaic power systems — Part 1: General requirements (IEC 62109-1:2010)

## 27.180 Sustavi vjetrovinih turbina i drugi alternativni izvori energije

### Međunarodna normizacija (IEC)

IEC 61400-24:2010  
Wind turbines — Part 24: Lightning protection

### Europska normizacija

EN 61400-24:2010  
Wind turbines — Part 24: Lightning protection (IEC 61400-24:2010)

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija (IEC)

IEC 60050-732:2010  
International Electrotechnical Vocabulary — Part 732: Computer network technology

IEC 60695-1-11:2010  
Fire hazard testing — Part 1-11: Guidance for assessing the fire hazard of electrotechnical products — Fire hazard assessment

IEC 60695-7-1:2010  
Fire hazard testing — Part 7-1: Toxicity of fire effluent — General guidance

IEC 62508:2010  
Guidance on human aspects of dependability

### Europska normizacija

EN 60695-7-1:2010  
Fire hazard testing — Part 7-1: Toxicity of fire effluent — General guidance (IEC 60695-7-1:2010)

## 29.035.01 Izolacijska gradiva općenito

### Međunarodna normizacija (IEC)

IEC 60050-212:2010  
International Electrotechnical Vocabulary — Part 212: Electrical insulating solids, liquids and gases

## 29.035.20 Plastična i gumena izolacijska gradiva

### Međunarodna normizacija (IEC)

IEC 60684-3-116:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheets 116 and 117: Extruded polychloroprene, general purpose

IEC 60684-3-209:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheet 209: Heat-shrinkable, polyolefin sleeving, general purpose, flame retarded

IEC 60684-3-280:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheet 280: Heat-shrinkable, polyolefin sleeving, anti-tracking

IEC 60684-3-281:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheet 281: Heat-shrinkable, polyolefin sleeving, semiconductive

IEC 60684-3-282:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheet 281: Heat-shrinkable, polyolefin sleeving — Stress control

IEC 62329-3-100:2010  
Heat-shrinkable moulded shapes — Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance — Sheet 100: Heat-shrinkable moulded shape dimensions

IEC 62329-3-101:2010  
Heat-shrinkable moulded shapes — Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance — Sheet 101: Heat-shrinkable moulded shapes, polyolefin, semi-rigid, limited fire hazard, material requirements and system performance

IEC 62329-3-102:2010  
Heat-shrinkable moulded shapes — Part 3: Specification requirements for shape dimensions, material requirements and compatibility performance — Sheet 102: Heat-shrinkable elastomeric moulded shapes, semi-rigid, material requirements and system performance

### Europska normizacija

EN 60684-3-209:2010  
Flexible insulating sleeving — Part 3: Specifications for individual types of sleeving — Sheet 209: Heat-shrinkable polyolefin sleeving, general purpose, flame retarded (IEC 60684-3-209:2010)

## 29.040.01 Izolacijski fluidi općenito

### Međunarodna normizacija (IEC)

IEC 60050-212:2010  
International Electrotechnical Vocabulary — Part 212: Electrical insulating solids, liquids and gases

## 29.040.10 Izolacijska ulja

### Europska normizacija

EN 60666:2010  
Detection and determination of specified additives in mineral insulating oils (IEC 60666:2010)

## 29.050 Električno vodljiva gradiva

### Međunarodna normizacija (IEC)

IEC 61788-8:2010  
Superconductivity — Part 8: AC loss measurements — Total AC loss measurement of round superconducting wires exposed to a transverse alternating magnetic field at liquid helium temperature by a pickup coil method

IEC 61788-14:2010

Superconductivity – Part 14: Superconducting power devices – General requirements for characteristic tests of current leads designed for powering superconducting devices

## 29.060.10 Žice

### Međunarodna normizacija (IEC)

IEC 60317-15:2010

Specifications for particular types of winding wires – Part 15: Polyesterimide enamelled round aluminium wire, class 180

IEC 60317-42:2010

Specifications for particular types of winding wires – Part 42: Polyester-amide-imide enamelled round copper wire, class 200

IEC 60317-43:2010

Specifications for particular types of winding wires – Part 43: Aromatic polyimide type wrapped round copper wire, class 240

IEC 60317-44:2010

Specifications for particular types of winding wires – Part 44: Aromatic polyimide tape wrapped rectangular copper wire, class 240

### Europska normizacija

EN 60317-26:1996/A2:2010

Specifications for particular types of winding wires – Part 26: Polyamide-imide enamelled round copper wire, class 200 (IEC 60317-26:1990/A2:2010)

EN 60317-29:1996/A2:2010

Specifications for particular types of winding wires – Part 29: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200 (IEC 60317-29:1990/A2:2010)

## 29.080.20 Provodni izolatori

### Europska normizacija

EN 50181:2010

Plug-in type bushings above 1 kV up to 52 kV and from 250 A to 2,50 kA for equipment other than liquid filled transformers

## 29.080.30 Izolacijski sustavi

### Europska normizacija

EN 60664-3:2003/A1:2010

Insulation coordination for equipment within low-voltage systems – Part 3: Use of coating, potting or moulding for protection against pollution (IEC 60664-3:2003/A1:2010)

## 29.100.10 Magnetske sastavnice

### Međunarodna normizacija (IEC)

IEC 62317-2:2010

Ferrite cores – Dimensions – Part 2: Pot-cores for use in telecommunications, power supply, and filter applications

### Europska normizacija

EN 62317-2:2010

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

## 29.120.40 Sklopke

### Europska normizacija

EN 60669-2-1:2004/A12:2010

Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Međunarodna normizacija (IEC)

IEC 60127-2 Amd.2:2010

Amendment 2 – Miniature fuses – Part 2: Cartridge fuse-links

### Europska normizacija

EN 60127-2:2003/A2:2010

Miniature fuses – Part 2: Cartridge fuse-links (IEC 60127-2:2003/A2:2010)

## 29.130.10 Visokonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC/TR 62271-302:2010

High-voltage switchgear and controlgear – Part 302: Alternating current circuit-breakers with intentionally non-simultaneous pole operation

## 29.140.01 Svjetiljke općenito

### Europska normizacija

EN 61231:2010

International lamp coding system (ILCOS) (IEC 61231:2010)

## 29.140.99 Druge norme koje se odnose na svjetiljke

### Međunarodna normizacija (IEC)

IEC/TR 60887:2010

Glass bulb designation system for lamps

IEC 61347-1 Amd.1:2010

Amendment 1 – Lamp controlgear – Part 1: General and safety requirements

## 29.160.01 Rotacijski strojevi općenito

### Europska normizacija

EN 60034-2-2:2010

Rotating electrical machines – Part 2-2: Specific methods for determining separate losses of large machines from tests – Supplement to IEC 60034-2-1 (IEC 60034-2-2:2010)

## 29.180 Transformatori. Prigušnice

### Međunarodna normizacija (IEC)

IEC 61558-2-3:2010

Safety of transformers, reactors, power supply units and combinations thereof – Part 2-3: Particular requirements and tests for ignition transformers for gas and oil burners

IEC 61558-2-5:2010  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-5: Particular requirements and test for transformer for shavers, power supply units for shavers and shaver supply units

IEC 61558-2-8:2010  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-8: Particular requirements and tests for transformers and power supply units for bells and chimes

IEC 61558-2-9:2010  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-9: Particular requirements and tests for transformers and power supply units for class III handlamps for tungsten filament lamps

IEC 61558-2-20:2010  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-20: Particular requirements and tests for small reactors

### **Europska normizacija**

EN 61558-2-5:2010  
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-5: Particular requirements and tests for transformer for shavers, power supply units for shavers and shaver supply units (IEC 61558-2-5:2010)

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

### **Međunarodna normizacija (IEC)**

IEC 62590:2010  
Railway applications – Fixed installations – Electronic power converters for substations

IEC 62589:2010  
Railway applications – Fixed installations – Harmonisation of the rated values for converter groups and tests on converter groups

### **Europska normizacija**

EN 60146-1-1:2010  
Semiconductor converters – General requirements and line commutated converters – Part 1-1: Specification of basic requirements (IEC 60146-1-1:2009)

EN 62109-1:2010  
Safety of power converters for use in photovoltaic power systems – Part 1: General requirements (IEC 62109-1:2010)

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

### **Međunarodna normizacija (IEC)**

IEC 62485-2:2010  
Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries

## **29.280 Oprema za električnu vuču**

### **Međunarodna normizacija (IEC)**

IEC 62590:2010  
Railway applications – Fixed installations – Electronic power converters for substations

IEC 62589:2010  
Railway applications – Fixed installations – Harmonisation of the rated values for converter groups and tests on converter groups

## **31.020 Elektroničke sastavnice općenito**

### **Međunarodna normizacija (IEC)**

IEC 62368-1 Corr.1:2010  
Corrigendum 1 – Audio/video, information and communication technology equipment – Part 1: Safety requirements

IECQ 04-1:2010  
IEC quality assessment system for electronic components (IECQ system) – Standard training – Part 1: IECQ training body requirements and process for IECQ acceptance

IECQ 04-5:2010  
IEC quality assessment system for electronic components (IECQ system) – Standard training – Part 5: Standard operational procedures for conducting IECQ HSPM training

## **31.040.30 Termistori**

### **Međunarodna normizacija (IEC)**

IEC 60539-2 Amd.1:2010  
Amendment 1 – Directly heated negative temperature coefficient thermistors – Part 2: Sectional specification – Surface mount negative temperature coefficient thermistors

## **31.060.10 Nepromjenjivi kondenzatori**

### **Međunarodna normizacija (IEC)**

IEC 62490-1:2010  
ESL measuring method – Part 1: Capacitors with lead terminal for use in electronic equipment

IEC 62490-2:2010  
ESL measuring method – Part 2: Surface mount capacitors for use in electronic equipment

## **31.080.01 Poluvodički uređaji općenito**

### **Međunarodna normizacija (IEC)**

IEC 60749-19 Amd.1:2010  
Amendment 1 – Semiconductor devices – Mechanical and climatic test methods – Part 19: Die shear strength

IEC 60749-32 Amd.1:2010  
Amendment 1 – Semiconductor devices – Mechanical and climatic test methods – Part 32: Flammability of plastic-encapsulated devices (externally induced)

### **Europska normizacija**

EN 62415:2010  
Semiconductor devices – Constant current electromigration test (IEC 62415:2010)

EN 62418:2010  
Semiconductor devices – Metallization stress void test (IEC 62418:2010)

## 31.080.20 Tiristori

### Međunarodna normizacija (IEC)

- IEC 61975:2010  
High-voltage direct current (HVDC) installations  
– System tests

## 31.080.30 Tranzistori

### Europska normizacija

- EN 62416:2010  
Semiconductor devices – Hot carrier test on MOS  
transistors (IEC 62416:2010)

## 31.160 Električni filtri

### Međunarodna normizacija (IEC)

- IEC 60939-1:2010  
Passive filter units for electromagnetic interference  
suppression – Part 1: Generic specification

## 31.190 Sklopovi elektroničkih sastavnica

### Međunarodna normizacija (IEC)

- IEC 61190-1-3 Amd.1:2010  
Amendment 1 – Attachment materials for electronic  
assembly – Part 1-3: Requirements for electronic grade  
solder alloys and fluxed and non-fluxed solid solders  
for electronic soldering applications

## 31.220.10 Utikački i utičnički uređaji. Konektori

### Međunarodna normizacija (IEC)

- IEC 60512-8-1:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 8-1: Static load tests (fixed  
connectors) – Test 8a: Static load, transverse
- IEC 60512-17-1:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 17-1: Cable clamping tests – Test  
17a: Cable clamp robustness
- IEC 60512-17-3:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 17-3: Cable clamping tests – Test  
17c: Cable clamp resistance to cable pull (tensile)
- IEC 60512-17-4:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 17-4: Cable clamping tests – Test  
17d: Cable clamp resistance to cable torsion
- IEC 60512-20-1:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 20-1: Fire hazard tests – Test  
20a: Flammability, needle-flame
- IEC 60512-20-3:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 20-3: Fire hazard tests – Test  
20c: Flammability, glow-wire
- IEC 60512-21-1:2010  
Connectors for electronic equipment – Tests and  
measurements – Part 21-1: RF resistance tests – Test  
21a: RF shunt resistance

IEC 60512-22-1:2010

Connectors for electronic equipment – Tests and  
measurements – Part 22-1: Capacitance tests – Test  
22a: Capacitance

IEC 60512-23-2:2010

Connectors for electronic equipment – Tests and  
measurements – Part 23-2: Screening and filtering  
tests – Test 23b: Suppression characteristics of  
integral filters

IEC 60603-7-71:2010

Connectors for electronic equipment – Part 7-71:  
Detail specification for 8-way, shielded, free and fixed  
connectors, for data transmission with frequencies up  
to 1 000 MHz

### Europska normizacija

EN 60512-19-1:2010

Connectors for electronic equipment – Tests and  
measurements – Part 19-1: Chemical resistance tests  
– Test 19a: Fluid resistance of pre-insulated crimp  
barrels (IEC 60512-19-1:2010)

EN 61076-2-107:2010

Connectors for electronic equipment – Product  
requirements – Part 2-107: Detail specification for  
circular hybrid connectors M12 with electrical and  
fibre-optic contacts with screw locking  
(IEC 61076-2-107:2010)

EN 60512-20-1:2010

Connectors for electronic equipment – Tests and  
measurements – Part 20-1: Fire hazard tests – Test 20a:  
Flammability, needle-flame (IEC 60512-20-1:2010)

EN 60512-20-3:2010

Connectors for electronic equipment – Tests and  
measurements – Part 20-3: Fire hazard tests – Test  
20c: Flammability, glow-wire (IEC 60512-20-3:2010)

EN 60512-21-1:2010

Connectors for electronic equipment – Tests and  
measurements – Part 21-1: R.F. resistance tests – Test  
21a: R.F. shunt resistance (IEC 60512-21-1:2010)

EN 60512-22-1:2010

Connectors for electronic equipment – Tests and  
measurements – Part 22-1: Capacitance tests – Test  
22a: Capacitance (IEC 60512-22-1:2010)

EN 60603-7-2:2010

Connectors for electronic equipment – Part 7-2: Detail  
specification for 8-way, unshielded, free and fixed  
connectors, for data transmissions with frequencies  
up to 100 MHz (IEC 60603-7-2:2010)

EN 60603-7-3:2010

Connectors for electronic equipment – Part 7-3:  
Detail specification for 8-way, shielded, free and fixed  
connectors, for data transmission with frequencies up  
to 100 MHz (IEC 60603-7-3:2010)

## 31.240 Mehaničke konstrukcije za elektroničku opremu

### Međunarodna normizacija (IEC)

IEC 60191-6-18 Corr.2:2010

Corrigendum 2 – Mechanical standardization of  
semiconductor devices – Part 6-18: General rules for  
the preparation of outline drawings of surface mounted  
semiconductor device packages – Design guide for  
ball grid array (BGA)

## 31.260 Optoelektronika. Laserska oprema

### Međunarodna normizacija (ISO)

ISO 11990-2:2010

Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs

### Europska normizacija

EN ISO 11990-2:2010

Lasers and laser-related equipment – Determination of laser resistance of tracheal tubes – Part 2: Tracheal tube cuffs (ISO 11990-2:2010)

## 33.040.20 Prijenosni sustavi

### Međunarodna normizacija (IEC)

IEC 61968-11:2010

Application integration at electric utilities – System interfaces for distribution management – Part 11: Common information model (CIM) extensions for distribution

## 33.040.40 Mreže za prijenos podataka

### Europska normizacija

EN 61850-7-4:2010

Communication networks and systems for power utility automation – Part 7-4: Basic communication structure – Compatible logical node classes and data object classes (IEC 61850-7-4:2010)

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

EN 301 841-1 V1.3.1

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 302 498-1 V1.1.1

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 302 498-2 V1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Technical characteristics for SRD equipment using Ultra WideBand technology (UWB) – Object Discrimination and Characterization Applications for power tool devices operating in the frequency band from 2,2 GHz to 8,5 GHz – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive

## 33.060.40 Kabelski sustavi za razdiobu

### Međunarodna normizacija (IEC)

IEC 60728-11:2010

Cable networks for television signals, sound signals and interactive services – Part 11: Safety

## 33.070.01 Pokretne službe općenito

### Međunarodna normizacija (IEC)

IEC 62209-2 Corr.1:2010

Corrigendum 1 – Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)

### Europska normizacija

EN 62209-2:2010

Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) (IEC 62209-2:2010)

## 33.070.30 Digitalne poboljšane bežične telekomunikacije (DECT)

### Europska normizacija

EN 300 175-1 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 1: Overview

EN 300 175-2 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 2: Physical Layer (PHL)

EN 300 175-3 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 3: Medium Access Control (MAC) layer

EN 300 175-4 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 4: Data Link Control (DLC) layer

EN 300 175-5 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 5: Network (NWK) layer

EN 300 175-6 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 6: Identities and addressing

EN 300 175-7 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 7: Security features

EN 300 175-8 V2.3.1

Digital Enhanced Cordless Telecommunications (DECT) – Common Interface (CI) – Part 8: Speech and audio coding and transmission

EN 300 444 V2.2.1

Digital Enhanced Cordless Telecommunications (DECT) – Generic Access Profile (GAP)

### 33.100.01 Elektromagnetska spojivost općenito

#### Europska normizacija

- EN 55016-2-3:2010  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements (CISPR 16-2-3:2010)
- EN 50498:2010  
Electromagnetic compatibility (EMC) – Product family standard for aftermarket electronic equipment in vehicles
- EN 55011:2009/A1:2010  
Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement (CISPR 11:2009/A1:2010)

### 33.100.10 Zračenje

#### Europska normizacija

- EN 55016-1-4:2010  
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2010)

### 33.100.20 Neosjetljivost

#### Europska normizacija

- EN 61000-4-3:2006/A2:2010  
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006/A2:2010)
- EN 61000-4-18:2007/A1:2010  
Electromagnetic compatibility (EMC) – Part 4-18: Testing and measurement techniques – Damped oscillatory wave immunity test (IEC 61000-4-18:2006/A1:2010)

### 33.120.10 Suosni kabeli. Valovodi

#### Međunarodna normizacija (IEC)

- IEC 60603-7-71:2010  
Connectors for electronic equipment – Part 7-71: Detail specification for 8-way, shielded, free and fixed connectors, for data transmission with frequencies up to 1 000 MHz
- IEC 61935-2:2010  
Specification for the testing of balanced and coaxial information technology cabling – Part 2: Cords as specified in ISO/IEC 11801 and related standards

### 33.120.20 Žice i simetrični kabeli

#### Međunarodna normizacija (IEC)

- IEC/PAS 61156-1-4:2010  
Multicore and symmetrical pair/quad cables for digital communications – Part 1-4: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz – Conductor heating of bundled data grade cables for limited power transmission based on IEEE 802.3

IEC 61156-2-1:2010

Multicore and symmetrical pair/quad cables for digital communications – Part 2-1: Horizontal floor wiring – Blank detail specification

### 33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

#### Međunarodna normizacija (IEC)

- IEC 62368-1 Corr.1:2010  
Corrigendum 1 – Audio/video, information and communication technology equipment – Part 1: Safety requirements
- IEC 60065 Amd.2:2010  
Amendment 2 – Audio, video and similar electronic apparatus – Safety requirements

### 33.160.30 Audiosustavi

#### Europska normizacija

- EN 61937-11:2010  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 11: MPEG-4 AAC and its extensions in LATM/LOAS (IEC 61937-11:2010)
- EN 61937-12:2010  
Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats (IEC 61937-12:2010)

### 33.160.50 Pribor

#### Međunarodna normizacija (IEC)

- IEC 60268-4:2010  
Sound system equipment – Part 4: Microphones
- IEC 62537:2010  
Interface for loudspeakers with digital input signals based on IEC 60958

#### Europska normizacija

- EN 60268-4:2010  
Sound system equipment – Part 4: Microphones (IEC 60268-4:2010)
- EN 62537:2010  
Interface for loudspeakers with digital input signals based on IEC 60958 (IEC 62537:2010)

### 33.160.60 Multimedijski sustavi za telekonferencijsku opremu

#### Europska normizacija

- EN 62514:2010  
Multimedia gateway in home networks – Guidelines (IEC 62514:2010)

### 33.180.10 Svjetlovodna vlakna i kabeli

#### Međunarodna normizacija (IEC)

- IEC 60794-3-11:2010  
Optical fibre cables – Part 3-11: Outdoor cables – Product specification for duct, directly buried, and lashed aerial single-mode optical fibre telecommunication cables

- IEC/TR 62283:2010  
Optical fibres – Guidance for nuclear radiation tests
- IEC 62614:2010  
Fibre optics – Launch condition requirements for measuring multimode attenuation

### Europska normizacija

- EN 60794-3-11:2010  
Optical fibre cables – Part 3-11: Outdoor cables – Product specification for duct, directly buried and lashed aerial single-mode optical fibre telecommunication cables (IEC 60794-3-11:2010)

## 33.180.20 Svjetlovodni vezni uređaji

### Međunarodna normizacija (IEC)

- IEC 61300-3-35/Corr.1:2010  
Corrigendum 1 – Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-35: Examinations and measurements – Fibre optic connector endface visual and automated inspection
- IEC/TR 62627-02:2010  
Fibre optic interconnecting devices and passive components – Part 02: Report of round robin test results on SC plug style fixed attenuators

### Europska normizacija

- EN 60875-1:2010  
Fibre optic interconnecting devices and passive components – Non-wavelength-selective fibre optic branching devices – Part 1: Generic specification (IEC 60875-1:2010)
- EN 61300-2-24:2010  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-24: Tests – Screen testing of ceramic alignment split sleeve by stress application (IEC 61300-2-24:2010)
- EN 61753-121-2:2010  
Fibre optic interconnecting devices and passive components – Performance standards – Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C – Controlled environment (IEC 61753-121-2:2010)
- EN 61753-121-3:2010  
Fibre optic interconnecting devices and passive components – Performance standard – Part 121-3: Simplex and duplex cords with single-mode fibre and cylindrical ferrule connectors for category U – Uncontrolled environment (IEC 61753-121-3:2010)

## 33.180.30 Optička pojačala

### Europska normizacija

- EN 62149-4:2010  
Fibre optic active components and devices – Performance standards – Part 4: 1 300 nm fibre optic transceivers for Gigabit Ethernet application (IEC 62149-4:2010)
- EN 62343-3-1:2010  
Dynamic modules – Part 3-1: Performance specification templates – Dynamic channel equalizers (IEC 62343-3-1:2010)

## 33.180.99 Druga svjetlovodna oprema

### Međunarodna normizacija (IEC)

- IEC 61746-2:2010  
Calibration of optical time-domain reflectometers (OTDR) – Part 2: OTDR for multimode fibres

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

- ISO/IEC 9798-3:1998/Amd 1:2010  
Amendment 1 – Information technology – Security techniques – Entity authentication – Part 3: Mechanisms using digital signature techniques
- ISO/IEC 14496-1:2010  
Information technology – Coding of audio-visual objects – Part 1: Systems
- ISO/IEC 14496-14:2003/Amd 1:2010  
Information technology – Coding of audio-visual objects – Part 14: MP4 file format – Amendment 1: Handling of MPEG-4 audio enhancement layers
- ISO/IEC 14496-15:2010  
Information technology – Coding of audio-visual objects – Part 15: Advanced Video Coding (AVC) file format
- ISO/IEC 14888-3:2006/Amd 1:2010  
Information technology – Security techniques – Digital signatures with appendix – Part 3: Discrete logarithm based mechanisms – Amendment 1: Elliptic Curve Russian Digital Signature Algorithm, Schnorr Digital Signature Algorithm, Elliptic Curve Schnorr Digital Signature Algorithm, and Elliptic Curve Full Schnorr Digital Signature Algorithm
- ISO/IEC/IEEE 21451-4:2010  
Information technology – Smart transducer interface for sensors and actuators – Part 4: Mixed-mode communication protocols and Transducer Electronic Data Sheet (TEDS) formats
- ISO/IEC 23000-10:2009/Amd 1:2010  
Information technology – Multimedia application format (MPEG-A) – Part 10: Video surveillance application format – Amendment 1: Conformance and reference software
- ISO/IEC 9798-1:2010  
Information technology – Security techniques – Entity authentication – Part 1: General
- ISO/IEC 10646:2003/Amd 7:2010  
Information technology – Universal Multiple-Octet Coded Character Set (UCS) – Amendment 7: Mandaic, Batak, Brahmi, and other characters
- ISO/IEC 13818-1:2007/Amd 4:2009  
Information technology – Generic coding of moving pictures and associated audio information: Systems – Amendment 4: Transport of multiview video over Rec. ITU-T H.222.0 | ISO/IEC 13818-1
- ISO/IEC 21000-19:2010  
Information technology – Multimedia framework (MPEG-21) – Part 19: Media Value Chain Ontology
- ISO/IEC 23000-9:2008/Amd 2:2010  
Information technology – Multimedia application format (MPEG-A) – Part 9: Digital Multimedia Broadcasting application format – Amendment 2: Harmonization on MPEG-2 TS storage
- ISO/IEC 23000-12:2010  
Information technology – Multimedia application format (MPEG-A) – Part 12: Interactive music application format

## Europska normizacija

EN 61937-12:2010

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 12: Non-linear PCM bitstreams according to the DRA formats (IEC 61937-12:2010)

## 35.060 Jezici koji se upotrebljavaju u informatičkoj tehnici

### Međunarodna normizacija (ISO)

ISO/IEC 9075-1:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 1: Framework (SQL/Framework)

ISO/IEC 9075-2:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 2: Foundation (SQL/Foundation)

ISO/IEC 9075-4:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 4: Persistent Stored Modules (SQL/PSM)

ISO/IEC 9075-9:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 9: Management of External Data (SQL/MED)

ISO/IEC 9075-10:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 10: Object Language Bindings (SQL/OLB)

ISO/IEC 9075-13:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 13: SQL Routines and Types Using the Java TM Programming Language (SQL/JRT)

ISO/IEC 9075-14:2008/Cor 1:2010

Corrigendum 1 – Information technology – Database languages – SQL – Part 14: XML-Related Specifications (SQL/XML)

## 35.080 Razvoj računalne podrške i dokumentacijski sustav

### Međunarodna normizacija (ISO)

ISO/IEC 15909-1:2004/Amd 1:2010

Systems and software engineering – High-level Petri nets – Part 1: Concepts, definitions and graphical notation – Amendment 1: Symmetric Nets

ISO/IEC 10746-2:2009

Information technology – Open distributed processing – Reference model: Foundations

ISO/IEC 10746-3:2009

Information technology – Open distributed processing – Reference model: Architecture

ISO/IEC TR 25060:2010

Systems and software engineering – Systems and software product Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for usability: General framework for usability-related information

### Europska normizacija

EN 61508-3:2010

Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements (IEC 61508-3:2010)

## 35.100.05 Višeslojna primjena

### Međunarodna normizacija (IEC)

IEC 61784-3-14:2010

Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14

## 35.100.10 Fizikalni sloj

### Međunarodna normizacija (IEC)

IEC 61158-2:2010

Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition

## 35.100.20 Sloj veze između podataka

### Međunarodna normizacija (IEC)

IEC 61158-3-12:2010

Industrial communication networks – Fieldbus specifications – Part 3-12: Data-link layer service definition – Type 12 elements

IEC 61784-2:2010

Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3

IEC 61784-5-2:2010

Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2

## 35.110 Umreživanje

### Međunarodna normizacija (ISO)

ISO/IEC 29157:2010

Information technology – Telecommunications and information exchange between systems – PHY/MAC specifications for short-range wireless low-rate applications in the ISM band

### Međunarodna normizacija (IEC)

IEC 60050-732:2010

International Electrotechnical Vocabulary – Part 732: Computer network technology

IEC 61918:2010

Industrial communication networks – Installation of communication networks in industrial premises

### Europska normizacija

EN 62514:2010

Multimedia gateway in home networks – Guidelines (IEC 62514:2010)

## 35.160 Mikroprocesorski sustavi

### Međunarodna normizacija (IEC)

IEC 61784-3:2010

Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions

IEC 61784-3-1:2010

Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1



IEC 61784-3-2:2010  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2

IEC 61784-3-3:2010  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3

IEC 61784-3-6:2010  
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6

IEC 61784-3-8:2010  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8

IEC 61784-3-12:2010  
Industrial communication networks – Profiles – Part 3-12: Functional safety fieldbuses – Additional specifications for CPF 12

IEC 61784-3-13:2010  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13

IEC 61784-3-14:2010  
Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14

IEC 61158-2:2010  
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition

IEC 61158-3-12:2010  
Industrial communication networks – Fieldbus specifications – Part 3-12: Data-link layer service definition – Type 12 elements

IEC 61784-1:2010  
Industrial communication networks – Profiles – Part 1: Fieldbus profiles

IEC 61784-2:2010  
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3

IEC 61784-5-2:2010  
Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2

IEC 61784-5-3:2010  
Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3

IEC 61784-5-4:2010  
Industrial communication networks – Profiles – Part 5-4: Installation of fieldbuses – Installation profiles for CPF 4

IEC 61784-5-6:2010  
Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

IEC 61784-5-10:2010  
Industrial communication networks – Profiles – Part 5-10: Installation of fieldbuses – Installation profiles for CPF 10

IEC 61784-5-11:2010  
Industrial communication networks – Profiles – Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11

IEC 61784-5-12:2010  
Industrial communication networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12

IEC 61784-5-14:2010  
Industrial communication networks – Profiles – Part 5-14: Installation of fieldbuses – Installation profiles for CPF 14

IEC 61784-5-15:2010  
Industrial communication networks – Profiles – Part 5-15: Installation of fieldbuses – Installation profiles for CPF 15

## Europska normizacija

EN 62591:2010  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™ (IEC 62591:2010)

## 35.180 Terminalna i druga vanjska oprema

### Međunarodna normizacija (ISO)

ISO/TR 9241-310:2010  
Ergonomics of human-system interaction – Part 310: Visibility, aesthetics and ergonomics of pixel defects

## 35.200 Sučelna i vezna oprema

### Međunarodna normizacija (IEC)

IEC 62541-3:2010  
OPC unified architecture – Part 3: Address Space Model

## 35.240.10 Računalno oblikovanje (CAD)

### Međunarodna normizacija (ISO)

ISO 5457:1999/Amd 1:2010  
Technical product documentation – Sizes and layout of drawing sheets; Amendment 1

### Europska normizacija

EN ISO 5457:1999/A1:2010  
Technical product documentation – Sizes and layout of drawing sheets – Amendment 1 (ISO 5457:1999/Amd 1:2010)

## 35.240.15 Identifikacijske kartice i srodni uređaji

### Međunarodna normizacija (ISO)

ISO/IEC 20060:2010  
Information technology – Open Terminal Architecture (OTA) – Virtual machine

## 35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

### Međunarodna normizacija (ISO)

ISO 10244:2010  
Document management – Business process baselining and analysis

ISO 15930-7:2010  
Graphic technology – Prepress digital data exchange using PDF – Part 7: Complete exchange of printing data (PDF/X-4) and partial exchange of printing data with external profile reference (PDF/X-4p) using PDF 1.6

ISO 15930-8:2010  
Graphic technology – Prepress digital data exchange using PDF – Part 8: Partial exchange of printing data using PDF 1.6 (PDF/X-5)

### Europska normizacija

EN 15907:2010  
Film identification – Enhancing interoperability of metadata – Element sets and structures

## 35.240.40 Primjene IT-a u bankarstvu

### Međunarodna normizacija (ISO)

ISO/TR 14742:2010  
Financial services – Recommendations on cryptographic algorithms and their use

## 35.240.50 Primjene IT-a u industriji

### Međunarodna normizacija (ISO)

ISO/IEC/IEEE 21450:2010  
Information technology – Smart transducer interface for sensors and actuators – Common functions, communication protocols, and Transducer Electronic Data Sheet (TEDS) formats

ISO/IEC/IEEE 21451-1:2010  
Information technology – Smart transducer interface for sensors and actuators – Part 1: Network Capable Application Processor (NCAP) information model

ISO/IEC/IEEE 21451-2:2010  
Information technology – Smart transducer interface for sensors and actuators – Part 2: Transducer to microprocessor communication protocols and Transducer Electronic Data Sheet (TEDS) formats

ISO/IEC/IEEE 21451-4:2010  
Information technology – Smart transducer interface for sensors and actuators – Part 4: Mixed-mode communication protocols and Transducer Electronic Data Sheet (TEDS) formats

### Međunarodna normizacija (IEC)

IEC 61784-3:2010  
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions

IEC 61784-3-1:2010  
Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1

IEC 61784-3-2:2010  
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2

IEC 61784-3-3:2010  
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3

IEC 61784-3-6:2010  
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6

IEC 61784-3-8:2010  
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8

IEC 61784-3-12:2010  
Industrial communication networks – Profiles – Part 3-12: Functional safety fieldbuses – Additional specifications for CPF 12

IEC 61784-3-13:2010  
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13

IEC 61784-3-14:2010  
Industrial communication networks – Profiles – Part 3-14: Functional safety fieldbuses – Additional specifications for CPF 14

IEC 61158-2:2010  
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition

IEC 61158-3-12:2010  
Industrial communication networks – Fieldbus specifications – Part 3-12: Data-link layer service definition – Type 12 elements

IEC 61784-1:2010  
Industrial communication networks – Profiles – Part 1: Fieldbus profiles

IEC 61784-2:2010  
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3

IEC 61784-5-2:2010  
Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2

IEC 61784-5-3:2010  
Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3

IEC 61784-5-4:2010  
Industrial communication networks – Profiles – Part 5-4: Installation of fieldbuses – Installation profiles for CPF 4

IEC 61784-5-6:2010  
Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6

IEC 61784-5-10:2010  
Industrial communication networks – Profiles – Part 5-10: Installation of fieldbuses – Installation profiles for CPF 10

IEC 61784-5-11:2010  
Industrial communication networks – Profiles – Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11

IEC 61784-5-12:2010  
Industrial communication networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12

IEC 61784-5-14:2010  
Industrial communication networks – Profiles – Part 5-14: Installation of fieldbuses – Installation profiles for CPF 14

IEC 61784-5-15:2010  
Industrial communication networks – Profiles – Part 5-15: Installation of fieldbuses – Installation profiles for CPF 15

IEC 62541-3:2010  
OPC unified architecture – Part 3: Address Space Model

## Europska normizacija

- EN 62591:2010  
Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™ (IEC 62591:2010)

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Međunarodna normizacija (ISO)

- ISO 14813-5:2010  
Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 5: Requirements for architecture description in ITS standards
- ISO/IEC TR 18047-7:2010  
Information technology – Radio frequency identification device conformance test methods – Part 7: Test methods for active air interface communications at 433 MHz
- ISO/PAS 18186:2010  
Freight containers – RFID cargo shipment tag system
- ISO 24534-1:2010  
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 1: Architecture
- ISO 24534-2:2010  
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 2: Operational requirements
- ISO 24534-3:2010  
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 3: Vehicle data
- ISO 24534-4:2010  
Automatic vehicle and equipment identification – Electronic registration identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques

### Europska normizacija

- CEN/TR 16040:2010  
Electronic fee collection – Requirements for urban dedicated short-range communication
- EN ISO 24534-1:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 1: Architecture (ISO 24534-1:2010)
- EN ISO 24534-2:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 2: Operational requirements (ISO 24534-2:2010)
- EN ISO 24534-3:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 3: Vehicle data (ISO 24534-3:2010)
- EN ISO 24534-4:2010  
Automatic vehicle and equipment identification – Electronic Registration Identification (ERI) for vehicles – Part 4: Secure communications using asymmetrical techniques (ISO 24534-4:2010)

## 35.240.80 Primjene IT-a u tehnici zaštite zdravlja

### Međunarodna normizacija (ISO)

- ISO 21549-8:2010  
Health informatics – Patient healthcard data – Part 8: Links

## Europska normizacija

- EN ISO 21549-8:2010  
Health informatics – Patient healthcard data – Part 8: Links (ISO 21549-8:2010)

## 35.240.99 Primjene IT-a u drugim područjima

### Međunarodna normizacija (ISO)

- ISO 25119-1:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development
- ISO 25119-2:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase
- ISO 25119-3:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software
- ISO 25119-4:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes

### Međunarodna normizacija (IEC)

- IEC 61968-11:2010  
Application integration at electric utilities – System interfaces for distribution management – Part 11: Common information model (CIM) extensions for distribution

### Europska normizacija

- CWA 16131:2010  
Europass Diploma Supplement Application Profile of the EuroLMAI (EuroLMAI Europass DS AP)
- CWA 16132:2010  
European Learner Mobility Achievement Information (EuroLMAI)
- CWA 16133:2010  
Guidelines on a European Learner Mobility model
- CWA 50560:2010  
Interoperability framework requirements specification for service to the home (IFRS)

## 37.020 Optička oprema

### Međunarodna normizacija (ISO)

- ISO 29301:2010  
Microbeam analysis – Analytical transmission electron microscopy – Methods for calibrating image magnification by using reference materials having periodic structures
- ISO 25297-1:2010  
Optics and photonics – Electronic exchange of optical data – Part 1: NODIF information model

## 37.040.10 Fotografska oprema. Projektori

### Međunarodna normizacija (ISO)

- ISO 1222:2010  
Photography – Tripod connections
- ISO 1754:2010  
Photography – Cameras using 35 mm film and roll film – Dimensions of picture sizes

ISO 9336-1:2010

Optics and photonics – Optical transfer function  
– Application – Part 1: Interchangeable lenses for  
35 mm still cameras

### **37.060.20 Kinematografski filmovi. Kazete**

#### **Europska normizacija**

EN 15907:2010

Film identification – Enhancing interoperability of  
metadata – Element sets and structures

### **37.100.99 Druge norme koje se odnose na grafičku tehniku**

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

ISO 15930-7:2010

Graphic technology – Prepress digital data exchange  
using PDF – Part 7: Complete exchange of printing data  
(PDF/X-4) and partial exchange of printing data with  
external profile reference (PDF/X-4p) using PDF 1.6

ISO 15930-8:2010

Graphic technology – Prepress digital data exchange  
using PDF – Part 8: Partial exchange of printing data  
using PDF 1.6 (PDF/X-5)

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

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

ISO 8820-3:2010

Road vehicles – Fuse-links – Part 3: Fuse-links with  
tabs (blade type) Type C (medium), Type E (high  
current) and Type F (miniature)

### **43.040.15 Informatika automobila. Računalni sustavi na vozilu**

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

ISO 10681-1:2010

Road vehicles – Communication on FlexRay – Part 1:  
General information and use case definition

ISO 10681-2:2010

Road vehicles – Communication on FlexRay – Part 2:  
Communication layer services

#### **Europska normizacija**

EN 50325-5:2010

Industrial communications subsystem based on  
ISO 11898 (CAN) for controller-device interfaces  
– Part 5: Functional safety communication based on  
EN 50325-4

### **43.040.30 Pokazni i upravljački uređaji**

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

ISO 2575:2010

Road vehicles – Symbols for controls, indicators and  
tell-tales

### **43.040.50 Prijenosi, ovjesi**

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

ISO 4107:2010

Commercial vehicles – Wheel-hub attachment  
dimensions

### **43.060.30 Sustavi za hlađenje. Sustavi za podmazivanje**

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

ISO 4081:2010

Rubber hoses and tubing for cooling systems for  
internal-combustion engines – Specification

### **43.060.40 Sustavi goriva**

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

ISO 4113:2010

Road vehicles – Calibration fluids for diesel injection  
equipment

### **43.080.01 Poslovna vozila općenito**

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

ISO 11026:2010

Heavy commercial vehicles and buses – Test method  
for roll stability – Closing-curve test

### **43.160 Vozila za posebne namjene**

#### **Europska normizacija**

EN 15432:2008/AC:2010

Winter and road service area maintenance equipments  
– Front-mounted equipments – Interchangeability

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

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

ISO 4113:2010

Road vehicles – Calibration fluids for diesel injection  
equipment

### **45.060.01 Željeznička tračna vozila. Općenito**

#### **Europska normizacija**

EN 15686:2010

Railway applications – Testing for the acceptance of  
running characteristics of railway vehicles with cant  
deficiency compensation system and/or vehicles  
intended to operate with higher cant deficiency than  
stated in EN 14363:2005, Annex G

EN 15687:2010

Railway applications – Testing for the acceptance of  
running characteristics of freight vehicles with static  
axle loads higher than 225 kN and up to 250 kN

### **45.060.10 Željeznička tračna vučna vozila**

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

IEC 62486:2010

Railway applications – Current collection systems  
– Technical criteria for the interaction between  
pantograph and overhead line (to achieve free access)

## 47.020.01 Brodogradnja i pomorske konstrukcije. Općenito

### Međunarodna normizacija (ISO)

ISO/PAS 30006:2010

Ship recycling management systems — Diagrams to show the location of hazardous materials onboard ships

ISO/PAS 30007:2010

Ships and marine technology — Measures to prevent asbestos emission and exposure during ship recycling

## 47.020.70 Oprema za navigaciju i upravljanje

### Međunarodna normizacija (IEC)

IEC 61162-3 Amd.1:2010

Amendment 1 — Maritime navigation and radio-communication equipment and systems — Digital interfaces — Part 3: Serial data instrument network

### Europska normizacija

EN 61108-3:2010

Maritime navigation and radiocommunication equipment and systems — Global navigation satellite systems (GNSS) — Part 3: Galileo receiver equipment — Performance requirements, methods of testing and required test results

EN 61162-3:2008/A1:2010

Maritime navigation and radiocommunication equipment and systems — Digital interfaces — Part 3: Serial data instrument network (IEC 61162-3:2008/A1:2010)

## 49.020 Zrakoplovi i svemirska vozila općenito

### Europska normizacija

EN 9104-003:2010

Aerospace series — Quality management systems — Part 003: Requirements for Aerospace Quality Management System (AQMS) Auditor Training and Qualification

EN 9110:2010

Quality Management Systems — Requirements for Aviation Maintenance Organizations

EN 9120:2010

Quality Management Systems — Requirements for Aviation, Space and Defence Distributors

## 49.025.05 Željezne slitine općenito

### Europska normizacija

EN 6072:2010

Aerospace series — Metallic materials — Test methods — Constant amplitude fatigue testing

## 49.025.15 Obojene slitine općenito

### Europska normizacija

EN 6072:2010

Aerospace series — Metallic materials — Test methods — Constant amplitude fatigue testing

## 49.025.20 Aluminij

### Europska normizacija

EN 3719:2010

Aerospace series — Aluminium or aluminium alloy conductors for electrical cables — Product standard

## 49.060 Zrakoplovna električna oprema i sustavi

### Europska normizacija

EN 2997-009:2010

Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures — 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 009: Protective cover for receptacle — Product standard

EN 2997-010:2010

Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures — 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 010: Protective cover for plug — Product standard

EN 2997-011:2010

Aerospace series — Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures — 65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak — Part 011: Dummy receptacle — Product standard

EN 3475-307:2010

Aerospace series — Cables, electrical, aircraft use — Test methods — Part 307: Corona extinction voltage

EN 3475-604:2010

Aerospace series — Cables, electrical, aircraft use — Test methods — Part 604: Resistance to dry arc propagation

EN 3475-605:2010

Aerospace series — Cables, electrical, aircraft use — Test methods — Part 605: Wet short circuit test

EN 3660-010:2010

Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 010: Cable outlet, style K, straight, shielded, sealed, for heat shrinkable boot — Product standard

EN 3660-011:2010

Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 011: Cable outlet, style K, 90°, shielded, sealed, for heat shrinkable boot — Product standard

EN 3719:2010

Aerospace series — Aluminium or aluminium alloy conductors for electrical cables — Product standard

EN 3838:2010

Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Europska normizacija

EN 3264:2010

Aerospace series — Pipe coupling 8°30' in titanium alloy — Thrust wire nuts

## 49.140 Svemirski sustavi i radnje

### Međunarodna normizacija (ISO)

- ISO 16192:2010  
Space systems – Experience gained in space projects (Lessons learned) – Principles and guidelines
- ISO 23461:2010  
Space systems – Programme management – Non-conformance control system
- ISO 11231:2010  
Space systems – Probabilistic risk assessment (PRA)
- ISO 22538-5:2010  
Space systems – Oxygen safety – Part 5: Operational and emergency procedures
- ISO 22538-6:2010  
Space systems – Oxygen safety – Part 6: Facility planning and implementation
- ISO 24113:2010  
Space systems – Space debris mitigation requirements

## 53.020.30 Pribor za opremu za dizanje

### Europska normizacija

- EN 14502-1:2010  
Cranes – Equipment for the lifting of persons – Part 1: Suspended baskets

## 53.020.99 Druga oprema za dizanje

### Europska normizacija

- EN 1808:1999+A1:2010  
Safety requirements on Suspended Access Equipment – Design calculations, stability criteria, construction – Tests

## 53.080 Skladišna oprema

### Europska normizacija

- EN 15878:2010  
Steel static storage systems – Terms and definitions

## 53.100 Strojevi za zemljane radove

### Međunarodna normizacija (ISO)

- ISO 9533:2010  
Earth-moving machinery – Machine-mounted audible travel alarms and forward horns – Test methods and performance criteria

## 55.100 Boce. Vrčevi. Lonci

### Europska normizacija

- EN 14634:2010  
Glass packaging – 26 H 180 crown finish – Dimensions
- EN 14635:2010  
Glass packaging – 26 H 126 crown finish – Dimensions

## 55.180.10 Kontejneri opće namjene

### Međunarodna normizacija (ISO)

- ISO/PAS 18186:2010  
Freight containers – RFID cargo shipment tag system

## 55.180.20 Palete opće namjene

### Međunarodna normizacija (ISO)

- ISO 18334:2010  
Pallets for materials handling – Quality of assembly of new wooden pallets

## 59.080.01 Tekstili općenito

### Međunarodna normizacija (ISO)

- ISO 105-E05:2010  
Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid

### Europska normizacija

- EN ISO 105-E05:2010  
Textiles – Tests for colour fastness – Part E05: Colour fastness to spotting: Acid (ISO 105-E05:2010)

## 59.080.60 Tekstilni podni pokrivači

### Međunarodna normizacija (ISO)

- ISO 9239-1:2010  
Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source

### Europska normizacija

- EN ISO 9239-1:2010  
Reaction to fire tests for floorings – Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010)

## 59.080.70 Geotekstili

### Europska normizacija

- EN 14151:2010  
Geosynthetics – Determination of burst strength

## 61.060 Obuća

### Međunarodna normizacija (ISO)

- ISO 10765:2010  
Footwear – Test method for the characterization of elastic materials – Tensile performance
- ISO 10768:2010  
Footwear – Test method for the determination of the resistance of elastic materials for footwear to repeated extension – Fatigue resistance

### Europska normizacija

- CEN/TR 15990:2010  
Data Sheets – Footwear Tests Materials and Test Adhesives
- EN ISO 10765:2010  
Footwear – Test method for the characterization of elastic materials – Tensile performance (ISO 10765:2010)
- EN ISO 10768:2010  
Footwear – Test method for the determination of the resistance of elastic materials for footwear to repeated extension – Fatigue resistance (ISO 10768:2010)

## 65.060.01 Poljoprivredni strojevi i oprema općenito

### Međunarodna normizacija (ISO)

- ISO 25119-1:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development
- ISO 25119-2:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase
- ISO 25119-3:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software
- ISO 25119-4:2010  
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes

## 65.080 Gnojiva

### Europska normizacija

- EN 15905:2010  
Fertilizers – Determination of 3-methylpyrazole (MP) using high-performance liquid chromatography (HPLC)
- EN 15909:2010  
Fertilizers – Determination of calcium and formate in calcium foliar fertilizers

## 65.120 Tvari za hranidbu životinja

### Međunarodna normizacija (ISO)

- ISO 12099:2010  
Animal feeding stuffs, cereals and milled cereal products – Guidelines for the application of near infrared spectrometry

### Europska normizacija

- EN ISO 12099:2010  
Animal feeding stuffs, cereals and milled cereal products – Guidelines for the application of near infrared spectrometry (ISO 12099:2010)

## 67.060 Žitarice, mahunjače i proizvodi od žitarica i mahunjača

### Međunarodna normizacija (ISO)

- ISO 12099:2010  
Animal feeding stuffs, cereals and milled cereal products – Guidelines for the application of near infrared spectrometry

### Europska normizacija

- EN ISO 12099:2010  
Animal feeding stuffs, cereals and milled cereal products – Guidelines for the application of near infrared spectrometry (ISO 12099:2010)

## 67.100.01 Mlijeko i mliječni proizvodi općenito

### Međunarodna normizacija (ISO)

- ISO 6732:2010  
Milk and milk products – Determination of iron content – Spectrometric method (Reference method)
- ISO 10932:2010  
Milk and milk products – Determination of the minimal inhibitory concentration (MIC) of antibiotics applicable to bifidobacteria and non-enterococcal lactic acid bacteria (LAB)
- ISO 11813:2010  
Milk and milk products – Determination of zinc content – Flame atomic absorption spectrometric method

## 67.100.10 Mlijeko i obrađeni mliječni proizvodi

### Međunarodna normizacija (ISO)

- ISO 1211:2010  
Milk – Determination of fat content – Gravimetric method (Reference method)
- ISO 6091:2010  
Dried milk – Determination of titratable acidity (Reference method)
- ISO 12081:2010  
Milk – Determination of calcium content – Titrimetric method
- ISO 26462:2010  
Milk – Determination of lactose content – Enzymatic method using difference in pH

### Europska normizacija

- EN ISO 1211:2010  
Milk – Determination of fat content – Gravimetric method (Reference method) (ISO 1211:2010)

## 67.100.30 Sir

### Međunarodna normizacija (ISO)

- ISO 2962:2010  
Cheese and processed cheese products – Determination of total phosphorus content – Molecular absorption spectrometric method

## 67.100.99 Drugi mliječni proizvodi

### Međunarodna normizacija (ISO)

- ISO 5546:2010  
Caseins and caseinates – Determination of pH (Reference method)

## 67.260 Postrojenja i oprema za prehrambenu industriju

### Europska normizacija

- EN 12355:2003+A1:2010  
Food processing machinery – Derinding-, skinning- and membrane removal machines – Safety and hygiene requirements
- EN 12855:2003+A1:2010  
Food processing machinery – Rotating bowl cutters – Safety and hygiene requirements

- EN 12984:2005+A1:2010  
Food processing machinery – Portable and/or hand-guided machines and appliances with mechanically driven cutting tools – Safety and hygiene requirements
- EN 13534:2006+A1:2010  
Food processing machinery – Curing injection machines – Safety and hygiene requirements
- EN 13570:2005+A1:2010  
Food processing machinery – Mixing machines – Safety and hygiene requirements
- EN 12331:2003+A2:2010  
Food processing machinery – Mincing machines – Safety and hygiene requirements
- EN 13870:2005+A1:2010  
Food processing machinery – Chop cutting machines – Safety and hygiene requirements
- EN 13871:2005+A1:2010  
Food processing machinery – Cubes cutting machinery – Safety and hygiene requirements
- EN 13885:2005+A1:2010  
Food processing machinery – Clipping machines – Safety and hygiene requirements

## 71.040.40 Kemijska analiza

### Međunarodna normizacija (ISO)

- ISO 17331:2004/Amd 1:2010  
Surface chemical analysis – Chemical methods for the collection of elements from the surface of silicon-wafer working reference materials and their determination by total-reflection X-ray fluorescence (TXRF) spectroscopy; Amendment 1
- ISO 18115-1:2010  
Surface chemical analysis – Vocabulary – Part 1: General terms and terms used in spectroscopy
- ISO 18115-2:2010  
Surface chemical analysis – Vocabulary – Part 2: Terms used in scanning-probe microscopy

## 71.040.50 Fizikalnokemijske metode analize

### Međunarodna normizacija (ISO)

- ISO 25498:2010  
Microbeam analysis – Analytical electron microscopy – Selected-area electron diffraction analysis using a transmission electron microscope
- ISO 14237:2010  
Surface chemical analysis – Secondary-ion mass spectrometry – Determination of boron atomic concentration in silicon using uniformly doped materials

## 71.100.20 Plinovi za industrijsku primjenu

### Europska normizacija

- EN ISO 10156:2010/AC:2010  
Gases and gas mixtures – Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets – Technical Corrigendum 1 (ISO 10156:2010/Cor 1:2010)

## 71.100.50 Kemikalije za zaštitu drveta

### Europska normizacija

- EN 1014-1:2010  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 1: Procedure for sampling creosote
- EN 1014-2:2010  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 2: Procedure for obtaining a sample of creosote from creosoted timber for subsequent analysis
- EN 1014-3:2010  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 3: Determination of the benzo(a)pyrene content of creosote
- EN 1014-4:2010  
Wood preservatives – Creosote and creosoted timber – Methods of sampling and analysis – Part 4: Determination of the water-extractable phenols content of creosote
- EN 12490:2010  
Durability of wood and wood-based products – Preservative-treated solid wood – Determination of the penetration and retention of creosote in treated wood

## 71.100.60 Eterična ulja

### Međunarodna normizacija (ISO)

- ISO 8897:2010  
Oil of juniper berry (*Juniperus communis* L.)

## 71.100.70 Kozmetika. Drogerijska roba

### Međunarodna normizacija (ISO)

- ISO 29621:2010  
Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products

## 73.040 Ugljen

### Međunarodna normizacija (ISO)

- ISO 17246:2010  
Coal – Proximate analysis

## 73.060.10 Željezne rude

### Međunarodna normizacija (ISO)

- ISO 11323:2010  
Iron ore and direct reduced iron – Vocabulary

## 75.140 Vosak, smolasta gradiva i drugi naftni proizvodi

### Europska normizacija

- EN 13398:2010  
Bitumen and bituminous binders – Determination of the elastic recovery of modified bitumen
- EN 13399:2010  
Bitumen and bituminous binders – Determination of storage stability of modified bitumen
- EN 13587:2010  
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method



- EN 13632:2010  
Bitumen and bituminous binders – Visualisation of polymer dispersion in polymer modified bitumen
- EN 13702:2010  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen by cone and plate method
- EN 13358:2010  
Bitumen and bituminous binders – Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes

## 75.160.10 Kruta goriva

### Međunarodna normizacija (ISO)

- ISO 562:2010  
Hard coal and coke – Determination of volatile matter
- ISO 687:2010  
Solid mineral fuels – Coke – Determination of moisture in the general analysis test sample
- ISO 1171:2010  
Solid mineral fuels – Determination of ash
- ISO 17246:2010  
Coal – Proximate analysis

## 75.160.20 Ukapljena goriva

### Međunarodna normizacija (ISO)

- ISO 8216-1:2010  
Petroleum products – Fuels (class F) classification – Part 1: Categories of marine fuels
- ISO 8217:2010  
Petroleum products – Fuels (class F) – Specifications of marine fuels

## 77.040.10 Mehaničko ispitivanje kovina

### Međunarodna normizacija (ISO)

- ISO 4498:2010  
Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness

### Europska normizacija

- EN ISO 4498:2010  
Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness (ISO 4498:2010)

## 77.060 Hrdanje kovina

### Međunarodna normizacija (ISO)

- ISO 11130:2010  
Corrosion of metals and alloys – Alternate immersion test in salt solution

### Europska normizacija

- EN ISO 11130:2010  
Corrosion of metals and alloys – Alternate immersion test in salt solution (ISO 11130:2010)

## 77.120.30 Bakar i bakrene slitine

### Europska normizacija

- EN 14938-2:2010  
Copper and copper alloys – Determination of bismuth content – Part 2: Flame atomic absorption spectrometric method (FAAS)
- EN 15605:2010  
Copper and copper alloys – Inductively coupled plasma optical emission spectrometry

## 77.140.20 Čelici visoke kakvoće

### Međunarodna normizacija (ISO)

- ISO 18632:2010  
Alloyed steel – Determination of manganese – Potentiometric and visual titration method

### Europska normizacija

- EN ISO 9444-2:2010  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and sheet/plate (ISO 9444-2:2009)

## 77.140.50 Proizvodi i poluproizvodi od ravnog čelika

### Međunarodna normizacija (ISO)

- ISO 18286:2008  
Hot-rolled stainless steel plates – Tolerances on dimensions and shape

### Europska normizacija

- EN ISO 9444-2:2010  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and sheet/plate (ISO 9444-2:2009)

## 77.160 Metalurgija praha

### Međunarodna normizacija (ISO)

- ISO 4498:2010  
Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness
- ISO 23519:2010  
Sintered metal materials, excluding hardmetals – Measurement of surface roughness

### Europska normizacija

- EN ISO 4498:2010  
Sintered metal materials, excluding hardmetals – Determination of apparent hardness and microhardness (ISO 4498:2010)

## 79.040 Drvo, trupci i piljena građa

### Europska normizacija

- EN 14081-2:2010  
Timber structures – Strength graded structural timber with rectangular cross section – Part 2: Machine grading; additional requirements for initial type testing

- EN 12490:2010  
Durability of wood and wood-based products –  
Preservative-treated solid wood – Determination of the  
penetration and retention of creosote in treated wood

### 81.060.30 Keramika

#### Europska normizacija

- EN 14425-3:2010  
Advanced technical ceramics – Test methods for  
determination of fracture toughness of monolithic  
ceramics – Part 3: Chevron notched beam (CNB)  
method
- EN 843-7:2010  
Advanced technical ceramics – Mechanical properties  
of monolithic ceramics at room temperature – Part 7:  
C-ring tests
- EN 843-8:2010  
Advanced technical ceramics – Mechanical properties  
of monolithic ceramics at room temperature – Part 8:  
Guidelines for conducting proof tests
- EN 1007-7:2010  
Advanced technical ceramics – Ceramic composites  
– Methods of test for reinforcements – Part 7:  
Determination of the distribution of tensile strength  
and of tensile strain to failure of filaments within a  
multifilament tow at high temperature
- EN 15365:2010  
Advanced technical ceramics – Mechanical properties  
of ceramic fibres at high temperature in a non-reactive  
environment – Determination of creep behaviour by  
the cold end method

### 81.080 Vatrostalna gradiva

#### Međunarodna normizacija (ISO)

- ISO/TR 21828:2010  
Guidance on standards available for preparation and  
testing of monolithic, unshaped refractory products

### 83.040.10 Lateks i sirova guma

#### Međunarodna normizacija (ISO)

- ISO 11089:2010  
Rubber, raw synthetic – Determination of antidegradants  
by high-performance liquid chromatography

### 83.060 Guma

#### Međunarodna normizacija (ISO)

- ISO 2781:2008/Amd 1:2010  
Rubber, vulcanized or thermoplastic – Determination  
of density – Amendment 1: Precision data
- ISO 7270-1:2003/Amd 1:2010  
Rubber – Analysis by pyrolytic gas-chromatographic  
methods – Part 1: Identification of polymers (single  
polymers and polymer blends)
- ISO 10638:2010  
Rubber – Identification of antidegradants by gas  
chromatography/mass spectrometry

### 83.080.01 Plastika općenito

#### Međunarodna normizacija (ISO)

- ISO 179-1:2010  
Plastics – Determination of Charpy impact properties  
– Part 1: Non-instrumented impact test

#### Europska normizacija

- EN ISO 179-1:2010  
Plastics – Determination of Charpy impact properties  
– Part 1: Non-instrumented impact test  
(ISO 179-1:2010)

### 83.080.20 Termoplastična gradiva

#### Europska normizacija

- EN 15860:2010  
Plastics – Thermoplastic semi-finished products for  
machining – Requirements and test methods

### 83.100 Porasta gradiva

#### Međunarodna normizacija (ISO)

- ISO 7231:2010  
Polymeric materials, cellular, flexible – Determination  
of air flow value at constant pressure-drop

#### Europska normizacija

- EN ISO 7231:2010  
Polymeric materials, cellular, flexible – Determination  
of air flow value at constant pressure-drop  
(ISO 7231:2010)

### 83.140.10 Filmovi i ploče

#### Europska normizacija

- EN 15836-1:2010  
Plastics – Plasticized poly(vinyl chloride) (PVC-P)  
membranes for inground swimming pools – Part 1:  
Homogenous membranes of nominal thickness equal  
to or greater than 0,75 mm
- EN 15836-2:2010  
Plastics – Plasticized poly(vinyl chloride) (PVC-P)  
membranes for inground swimming pools – Part 2:  
Reinforced membranes of nominal thickness equal to  
or greater than 1,5 mm

### 83.140.40 Sipke cijevi

#### Međunarodna normizacija (ISO)

- ISO 4081:2010  
Rubber hoses and tubing for cooling systems for  
internal-combustion engines – Specification

### 83.140.99 Drugi gumeni i plastični proizvodi

#### Europska normizacija

- EN 13245-1:2010  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U)  
profiles for building applications – Part 1: Designation  
of PVC-U profiles
- EN 13245-3:2010  
Plastics – Unplasticized poly(vinyl chloride) (PVC-U)  
profiles for building applications – Part 3: Designation  
of PVC-UE profiles

### 83.180 Adhezivi

#### Europska normizacija

- CEN/TR 15990:2010  
Data Sheets – Footwear Tests Materials and Test  
Adhesives

## 85.060 Papir i karton

### Međunarodna normizacija (ISO)

- ISO 11476:2010  
Paper and board – Determination of CIE whiteness, C/2 degrees (indoor illumination conditions)

## 87.100 Oprema za premazivanje bojom

### Europska normizacija

- EN 12581:2005+A1:2010  
Coating plants – Machinery for dip coating and electrodeposition of organic liquid coating material – Safety requirements
- EN 12621:2006+A1:2010  
Machinery for the supply and circulation of coating materials under pressure – Safety requirements
- EN 12757-1:2005+A1:2010  
Mixing machinery for coating materials – Safety requirements – Part 1: Mixing machinery for use in vehicle refinishing

## 91.010.20 Ugovorni aspekti

### Međunarodna normizacija (ISO)

- ISO 10845-1:2010  
Construction procurement – Part 1: Processes, methods and procedures

## 91.010.99 Drugi aspekti

### Europska normizacija

- CEN/TR 15941:2010  
Sustainability of construction works – Environmental product declarations – Methodology for selection and use of generic data

## 91.040.01 Zgrade općenito

### Međunarodna normizacija (ISO)

- ISO 15686-10:2010  
Buildings and constructed assets – Service life planning – Part 10: When to assess functional performance
- ISO 21931-1:2010  
Sustainability in building construction – Framework for methods of assessment of the environmental performance of construction works – Part 1: Buildings

## 91.060.01 Elementi građevina općenito

### Europska normizacija

- EN 1997-2:2007/AC:2010  
Eurocode 7 – Geotechnical design – Part 2: Ground investigation and testing

## 91.060.30 Stropovi. Podovi. Stubišta

### Europska normizacija

- EN 14975:2006+A1:2010  
Loft ladders – Requirements, marking and testing

## 91.060.50 Vrata i prozori

### Međunarodna normizacija (ISO)

- ISO 12567-1:2010  
Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors

### Europska normizacija

- EN ISO 12567-1:2010  
Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors (ISO 12567-1:2010)

## 91.080.20 Drvene konstrukcije

### Međunarodna normizacija (ISO)

- ISO 8970:2010  
Timber structures – Testing of joints made with mechanical fasteners – Requirements for wood density
- ISO 21581:2010  
Timber structures – Static and cyclic lateral load test methods for shear walls

### Europska normizacija

- EN ISO 8970:2010  
Timber structures – Testing of joints made with mechanical fasteners – Requirements for wood density (ISO 8970:2010)

## 91.100.01 Građevna gradiva općenito

### Međunarodna normizacija (ISO)

- ISO 1716:2010  
Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value)

### Europska normizacija

- EN ISO 1716:2010  
Reaction to fire tests for products – Determination of the gross heat of combustion (calorific value) (ISO 1716:2010)

## 91.100.30 Beton i betonski proizvodi

### Europska normizacija

- EN 12350-8:2010  
Testing fresh concrete – Part 8: Self-compacting concrete – Slump-flow test
- EN 12350-9:2010  
Testing fresh concrete – Part 9: Self-compacting concrete – V-funnel test
- EN 12350-10:2010  
Testing fresh concrete – Part 10: Self-compacting concrete – L box test
- EN 12350-11:2010  
Testing fresh concrete – Part 11: Self-compacting concrete – Sieve segregation test
- EN 12350-12:2010  
Testing fresh concrete – Part 12: Self-compacting concrete – J-ring test

## 91.100.50 Veziva. Brtvena gradiva

### Europska normizacija

- EN 13398:2010  
Bitumen and bituminous binders – Determination of the elastic recovery of modified bitumen
- EN 13399:2010  
Bitumen and bituminous binders – Determination of storage stability of modified bitumen
- EN 13587:2010  
Bitumen and bituminous binders – Determination of the tensile properties of bituminous binders by the tensile test method
- EN 13632:2010  
Bitumen and bituminous binders – Visualisation of polymer dispersion in polymer modified bitumen
- EN 13702:2010  
Bitumen and bituminous binders – Determination of dynamic viscosity of modified bitumen by cone and plate method
- EN 15368:2008+A1:2010  
Hydraulic binder for non-structural applications – Definition, specifications and conformity criteria
- EN 12311-2:2010  
Flexible sheets for waterproofing – Determination of tensile properties – Part 2: Plastic and rubber sheets for roof waterproofing
- EN 12317-2:2010  
Flexible sheets for waterproofing – Determination of shear resistance of joints – Part 2: Plastic and rubber sheets for roof waterproofing
- EN 13358:2010  
Bitumen and bituminous binders – Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes
- EN 13859-1:2010  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 1: Underlays for discontinuous roofing
- EN 13859-2:2010  
Flexible sheets for waterproofing – Definitions and characteristics of underlays – Part 2: Underlays for walls

## 91.100.60 Gradiva za toplinsku i zvučnu izolaciju

### Europska normizacija

- EN 15599-1:2010  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from expanded perlite (EP) products – Part 1: Specification for bonded and loose-fill products before installation
- EN 15599-2:2010  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from expanded perlite (EP) products – Part 2: Specification for the installed products
- EN 15600-1:2010  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from exfoliated vermiculite (EV) products – Part 1: Specification for bonded and loose-fill products before installation
- EN 15600-2:2010  
Thermal insulation products for building equipment and industrial installations – In-situ thermal insulation formed from exfoliated vermiculite (EV) products – Part 2: Specification for the installed products

## 91.120.10 Toplinska izolacija

### Međunarodna normizacija (ISO)

- ISO 12567-1:2010  
Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors

### Europska normizacija

- EN 15900:2010  
Energy efficiency services – Definitions and requirements
- EN ISO 12567-1:2010  
Thermal performance of windows and doors – Determination of thermal transmittance by the hot-box method – Part 1: Complete windows and doors (ISO 12567-1:2010)

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Europska normizacija

- EN 1997-2:2007/AC:2010  
Eurocode 7 – Geotechnical design – Part 2: Ground investigation and testing

## 91.120.40 Zaštita od groma

### Međunarodna normizacija (IEC)

- IEC 61400-24:2010  
Wind turbines – Part 24: Lightning protection

### Europska normizacija

- EN 61400-24:2010  
Wind turbines – Part 24: Lightning protection (IEC 61400-24:2010)

## 91.140.10 Sustavi centralnoga grijanja

### Europska normizacija

- EN 13941:2009+A1:2010  
Design and installation of preinsulated bonded pipe systems for district heating

## 91.140.30 Sustavi prozračivanja i klimatizacije

### Europska normizacija

- EN 15727:2010  
Ventilation for buildings – Ducts and ductwork components, leakage classification and testing

## 91.140.60 Sustavi opskrbe vodom

### Europska normizacija

- EN 60335-2-109:2010  
Household and similar electrical appliances – Safety – Part 2-109: Particular requirements for UV radiation water treatment appliances (IEC 60335-2-109:2010)

## 91.140.70 Sanitarne instalacije

### Europska normizacija

- EN 14516:2006+A1:2010  
Baths for domestic purposes
- EN 14527:2006+A1:2010  
Shower trays for domestic purposes

## 91.140.80 Odvodni sustavi

### Međunarodna normizacija (ISO)

- ISO 13257:2010  
Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling

## 91.140.90 Dizala. Pokretne stube

### Europska normizacija

- EN 115-2:2010  
Safety of escalators and moving walks — Part 2: Rules for the improvement of safety of existing escalators and moving walks
- EN 12158-1:2000+A1:2010  
Builders' hoists for goods — Part 1: Hoists with accessible platforms
- EN 12158-2:2000+A1:2010  
Builders' hoists for goods — Part 2: Inclined hoists with non-accessible load carrying devices

## 93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

### Europska normizacija

- EN 14490:2010  
Execution of special geotechnical works — Soil nailing

## 93.030 Vanjska kanalizacija

### Međunarodna normizacija (ISO)

- ISO 13260:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Test method for resistance to combined temperature cycling and external loading
- ISO 13264:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics fittings — Test method for mechanical strength or flexibility of fabricated fittings
- ISO 13268:2010  
Thermoplastics piping systems for non-pressure underground drainage and sewerage — Thermoplastics shafts or risers for inspection chambers and manholes — Determination of ring stiffness

## 93.080.10 Tehnika gradnje cesta

### Europska normizacija

- EN 13036-1:2010  
Road and airfield surface characteristics — Test methods — Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique

## 93.080.20 Sredstva za cestogradnju

### Europska normizacija

- EN 12697-47:2010  
Bituminous mixtures — Test methods for hot mix asphalt — Part 47: Determination of the ash content of natural asphalts

## 93.080.30 Cestovna oprema i instalacije

### Europska normizacija

- EN 1317-1:2010  
Road restraint systems — Part 1: Terminology and general criteria for test methods
- EN 1317-2:2010  
Road restraint systems — Part 2: Performance classes, impact test acceptance criteria and test methods for safety barriers including vehicle parapets
- EN 1317-3:2010  
Road restraint systems — Part 3: Performance classes, impact test acceptance criteria and test methods for crash cushions

## 93.100 Gradnja željezničkih pruga

### Europska normizacija

- EN 13674-2:2006+A1:2010  
Railway applications — Track — Rail — Part 2: Switch and crossing rails used in conjunction with Vignole railway rails 46 kg/m and above
- EN 13674-3:2006+A1:2010  
Railway applications — Track — Rail — Part 3: Check rails
- EN 13803-1:2010  
Railway applications — Track — Track alignment design parameters — Track gauges 1435 mm and wider — Part 1: Plain line
- EN 14730-1:2006+A1:2010  
Railway applications — Track — Aluminothermic welding of rails — Part 1: Approval of welding processes

## 93.120 Gradnja zračnih luka

### Europska normizacija

- EN 13036-1:2010  
Road and airfield surface characteristics — Test methods — Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique
- EN 303 212 V1.1.1  
Airport Collaborative Decision Making (A-CDM) — Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004

## 95.020 Vojna tehnika. Vojni poslovi. Oružje

### Europska normizacija

- EN 9120:2010  
Quality Management Systems — Requirements for Aviation, Space and Defence Distributors

## 97.030 Kućanska električna oprema općenito

### Europska normizacija

EN 60335-1:2002/A14:2010  
Household and similar electrical appliances — Safety — Part 1: General requirements

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

### Međunarodna normizacija (IEC)

IEC 60335-2-90 Amd.1:2010  
Amendment 1 — Household and similar electrical appliances — Safety — Part 2-90: Particular requirements for commercial microwave ovens

IEC 61591 Amd.2:2010  
Amendment 2 — Household range hoods and other cooking fume extractors — Methods for measuring performance

### Europska normizacija

EN 60335-2-6:2003/A11:2010  
Household and similar electrical appliances — Safety — Part 2-6: Particular requirements for stationary cooking ranges, hobs, ovens and similar appliances

EN 30-1-1:2008+A1:2010  
Domestic cooking appliances burning gas — Part 1-1: Safety — General

## 97.060 Praonički uređaji

### Europska normizacija

EN 60335-2-3:2002/A11:2010  
Household and similar electrical appliances — Safety — Part 2-3: Particular requirements for electric irons

## 97.080 Uređaji za čišćenje podova

### Europska normizacija

EN 12921-1:2005+A1:2010  
Machines for surface cleaning and pre-treatment of industrial items using liquids or vapours — Part 1: Common safety requirements

## 97.120 Automatsko upravljanje za kućansku uporabu

### Europska normizacija

CWA 50560:2010  
Interoperability framework requirements specification for service to the home (IFRS)

## 97.145 Ljestve

### Europska normizacija

EN 131-2:2010  
Ladders — Part 2: Requirements, testing, marking

## 97.150 Netekstilni podni prekrivači

### Međunarodna normizacija (ISO)

ISO 9239-1:2010  
Reaction to fire tests for floorings — Part 1: Determination of the burning behaviour using a radiant heat source

### Europska normizacija

EN ISO 9239-1:2010  
Reaction to fire tests for floorings — Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010)

EN 1816:2010  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings with foam backing

EN 1817:2010  
Resilient floor coverings — Specification for homogeneous and heterogeneous smooth rubber floor coverings

EN 12199:2010  
Resilient floor coverings — Specifications for homogeneous and heterogeneous relief rubber floor coverings

## 97.170 Oprema za njegu tijela

### Međunarodna normizacija (ISO)

ISO 28158:2010  
Dentistry — Integrated dental floss and handles

### Europska normizacija

EN 60335-2-23:2003/A11:2010  
Household and similar electrical appliances — Safety — Part 2-23: Particular requirements for appliances for skin or hair care

EN 60335-2-27:2010  
Household and similar electrical appliances — Safety — Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation (IEC 60335-2-27:2002 (Modified) + A1:2004 (Modified) + A2:2007 (Modified))

EN 60335-2-52:2003/A11:2010  
Household and similar electrical appliances — Safety — Part 2-52: Particular requirements for oral hygiene appliances

EN ISO 28158:2010  
Dentistry — Integrated dental floss and handles (ISO 28158:2010)

## 97.195 Umjetnički i obrtnički predmeti

### Europska normizacija

EN 15907:2010  
Film identification — Enhancing interoperability of metadata — Element sets and structures

## 97.200.10 Oprema za kazalište, scenu i studio

### Europska normizacija

EN 14974:2006+A1:2010  
Facilities for users of roller sports equipment — Safety requirements and test methods