

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

**5/2009** listopad, 2009.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrt hrvatskih norma, prijedloga za prihvaćanje stranih norma, 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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# 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 21/PO 4, *Protupožarna i vatrogasna oprema; Stabilni sustavi za gašenje požara*

HRN EN 13565-2:2009 en pr  
Stabilni protupožarni sustavi – Sustavi s pjenom – 2. dio: Projektiranje, izvedba i održavanje (EN 13565-2:2009)  
Fixed firefighting systems – Foam systems – Part 2: Design, construction and maintenance (EN 13565-2:2009)

### HZN/TO 21/PO 5, *Protupožarna i vatrogasna oprema; Vatrogasna oprema*

HRN EN 1846-2:2009 en pr  
Vozila za gašenje požara i spašavanje – 2. dio: Opći zahtjevi – Sigurnost i svojstva (EN 1846-2:2009)  
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance (EN 1846-2:2009)

### HZN/TO 34/PO 6, *Poljoprivredni i prehrambeni proizvodi; Meso i proizvodi od mesa*

HRN ISO 17604:2009/A1:2009 hr pp  
Mikrobiologija hrane i hrane za životinje – Uzorkovanje životinjskih trupova za mikrobiološke analize – 1. Amandman: Uzorkovanje trupova peradi (ISO 17604:2003/Amd 1:2009)  
Microbiology of food and animal feeding stuffs – Carcass sampling for microbiological analysis – Amendment 1: Sampling of poultry carcasses (ISO 17604:2003/Amd:2009)

HRN ISO 17604:2009/Ispr.1:2009 hr izv  
Mikrobiologija hrane i hrane za životinje – Uzorkovanje životinjskih trupova za mikrobiološke analize (ISO 17604:2003) – Ispravak 1  
Microbiology of food and animal feeding stuffs – Carcass sampling for microbiological analysis (ISO 17604:2003) – Corrigendum 1

### HZN/TO 43, *Akustika*

HRN EN ISO 140-14:2006/Ispr.1:2009 en pr  
Akustika – Mjerenje zvučne izolacije zgrada i građevnih elemenata – 14. dio: Smjernice za posebne situacije na terenu (ISO 140-14:2004/Cor 1:2007; EN ISO 140-14:2004/AC:2009)  
Acoustics – Measurement of sound insulation in buildings and of building elements – Part 14: Guidelines for special situations in the field (ISO 140-14:2004/Cor 1:2007; EN ISO 140-14:2004/AC:2009)

HRN EN ISO 11689:1998/Ispr.1:2009 en pr  
Akustika – Postupak za uspoređivanje podataka o emisiji buke za strojeve i opremu (ISO 11689:1996/Cor 1:2007; EN ISO 11689:1996/AC:2009)  
Acoustics – Procedure for the comparison of noise emission-data for machinery and equipment (ISO 11689:1996/Cor 1:2007; EN ISO 11689:1996/AC:2009)

HRN EN ISO 17201-1:2008/Ispr.1:2009 en pr  
Akustika – Buka streljana – 1. dio: Određivanje praska koji nastaje na izlazu cijevi mjerenjem (ISO 17201-1:2005/Cor 1:2009; EN ISO 17201-1:2005/AC:2009)  
Acoustics – Noise from shooting ranges – Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2005/Cor 1:2009; EN ISO 17201-1:2005/AC:2009)

### HZN/TO 159, *Ergonomija*

HRN EN ISO 14505-2:2008/Ispr.1:2009 en pr  
Ergonomija toplinskog okoliša – Procjena toplinskih okoliša u vozilima – 2. dio: Određivanje ekvivalentne temperature (ISO 14505-2:2006/Cor 1:2007; EN ISO 14505-2:2006/AC:2009)  
Ergonomics of the thermal environment – Evaluation of thermal environments in vehicles – Part 2: Determination of equivalent temperature (ISO 14505-2:2006/Cor 1:2007; EN ISO 14505-2:2006/AC:2009)

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

HRN EN 15824:2009 en pr  
Specifikacije za vanjske i unutrašnje žbuke na osnovi organskih veziva (EN 15824:2009)  
Specifications for external renders and internal plasters based on organic binders (EN 15824:2009)

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

HRN EN ISO 7500-1:2007/Ispr.1:2009 en pr  
Metalni materijali – Provjeravanje statičkih jednoosnih ispitnih uređaja – 1. dio: Ispitni uređaji za zatezanje/kompresiju – Provjeravanje i umjeravanje sustava za mjerenje sile (ISO 7500-1:2004/Cor 1:2008; EN ISO 7500-1:2004/AC:2009)  
Metallic materials – Verification of static uniaxial testing machines – Part 1: Tension/compression testing machines – Verification and calibration of the force-measuring system (ISO 7500-1:2004/Cor 1:2008; EN ISO 7500-1:2004/AC:2009)

HRN EN ISO 8434-1:2008/Ispr.1:2009 en pr  
Metalni cijevni priključci za uporabu u tehnologiji fluida pod pritiskom i opću namjenu – 1. dio: 24° stožasti priključci (EN ISO 8434-1:2007/AC:2009)  
Metallic tube connections for fluid power and general use – Part 1: 24 degree cone connectors (EN ISO 8434-1:2007/AC:2009)

HRN EN 10253-4:2008/Ispr.1:2009 en pr  
Cijevne spojnice za sučeono zavarivanje – 4. dio: Gnječeni austenitni i austenitno-feritni nehrđajući čelici s posebnim zahtjevima za ispitivanje (EN 10253-4:2008/AC:2009)  
Butt-welding pipe fittings – Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements (EN 10253-4:2008/AC:2009)

HRN EN ISO 19879:2008/Ispr.1:2009 en pr  
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)

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

HRN EN ISO 9100-14:2005/Ispr.1:2009 en pr  
Stakleni spremnici – Grla za vakuumsko zatvaranje – 14. dio: 110 osnovni (ISO 9100-14:2005/Cor 1:2008; EN ISO 9100-14:2005/AC:2009)  
Glass containers – Vacuum lug finishes – Part 14: 110 regular (ISO 9100-14:2005/Cor 1:2008; EN ISO 9100-14:2005/AC:2009)

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

HRN EN 14908-5:2009 en pr  
Smjernica za primjenu otvorene podatkovne komunikacije u automatizaciji zgrada, nadzor i upravljanje zgradama – Mrežni kontrolni protokol – 5. dio: Primjena (EN 14908-5:2009)  
Open data communication in building automation, controls and building management implementation guideline – Control network protocol – Part 5: Implementation (EN 14908-5:2009)

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

HRN ISO 53:2009 en pr  
Cilindrični zupčanici za opću i tešku strojogradnju – Standardni profil zuba ozubnice (ISO 53:1998)  
Cylindrical gears for general and heavy engineering – Standard basic rack tooth profile (ISO 53:1998)

- HRN ISO 54:2009 en pr  
Cilindrični zupčanici za opću i tešku strojogradnju – Moduli (ISO 54:1996)  
Cylindrical gears for general engineering and for heavy engineering – Modules (ISO 54:1996)
- HRN ISO 677:2009 en pr  
Stožasti zupčanici s ravnim zubima za opću i tešku strojogradnju – Ozubnica (ISO 677:1976)  
Straight bevel gears for general engineering and heavy engineering – Basic rack (ISO 677:1976)
- HRN ISO 678:2009 en pr  
Stožasti zupčanici s ravnim zubima za opću i tešku strojogradnju – Moduli i omjer broja  $\pi$  i koraka ozubljenja izraženog u inčima (diametral pitch) (ISO 678:1976)  
Straight bevel gears for general engineering and heavy engineering – Modules and diametral pitches (ISO 678:1976)
- HRN ISO 701:2009 en pr  
Međunarodno označavanje zupčanika – Simboli za geometrijske veličine (ISO 701:1998)  
International gear notation – Symbols for geometrical data (ISO 701:1998)
- HRN EN ISO 898-1:2009 en pr  
Mehanička svojstva spojnih elemenata izrađenih od ugljičnih i legiranih čelika – 1. dio: Vijci i svorni vijci propisanog razreda čvrstoće – Grubi i fini navoj (ISO 898-1:2009; EN ISO 898-1:2009)  
Mechanical properties of fasteners made of carbon steel and alloy steel – Part 1: Bolts, screws and studs with specified property classes – Coarse thread and fine pitch thread (ISO 898-1:2009; EN ISO 898-1:2009)
- HRN ISO 1122-1:2009 en pr  
Terminološki rječnik zupčaničkog nazivlja – 1. dio: Definicije koje se odnose na geometriju (ISO 1122-1:1998+Cor 1:1999+Cor 2:2009)  
Vocabulary of gear terms – Part 1: Definitions related to geometry (ISO 1122-1:1998+Cor 1:1999+Cor 2:2009)
- HRN ISO 1122-2:2009 en pr  
Terminološki rječnik zupčaničkog nazivlja – 2. dio: Definicije koje se odnose na geometriju pužnih prijenosnika (ISO 1122-2:1999)  
Vocabulary of gear terms – Part 2: Definitions related to worm gear geometry (ISO 1122-2:1999)
- HRN ISO 6336-1:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 1. dio: Temeljna načela, uvod i opći utjecajni faktori (ISO 6336-1:2006)  
Calculation of load capacity of spur and helical gears – Part 1: Basic principles, introduction and general influence factors (ISO 6336-1:2006)
- HRN ISO 6336-2:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 2. dio: Proračun nosivosti boka zuba (rupičenje) (ISO 6336-2:2006)  
Calculation of load capacity of spur and helical gears – Part 2: Calculation of surface durability (pitting) (ISO 6336-2:2006)
- HRN ISO 6336-3:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 3. dio: Proračun nosivosti korijena zuba (ISO 6336-3:2006)  
Calculation of load capacity of spur and helical gears – Part 3: Calculation of tooth bending strength (ISO 6336-3:2006)
- HRN ISO 6336-5:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 5. dio: Čvrstoća i kvaliteta materijala (ISO 6336-5:2003)  
Calculation of load capacity of spur and helical gears – Part 5: Strength and quality of materials (ISO 6336-5:2003)
- HRN ISO 6336-6:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 6. dio: Proračun trajnosti pod promjenljivim opterećenjem (ISO 6336-6:2006)  
Calculation of load capacity of spur and helical gears – Part 6: Calculation of service life under variable load (ISO 6336-6:2006)
- HRN EN ISO 8752:2009 en pr  
Elastični cilindrični zatici – Rasječeni, za teške uvjete rada (ISO 8752:2009; EN ISO 8752:2009)  
Spring-type straight pins – Slotted, heavy duty (ISO 8752:2009; EN ISO 8752:2009)
- HRN ISO 9083:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – Primjena za brodске zupčanike (ISO 9083:2001)  
Calculation of load capacity of spur and helical gears – Application to marine gears (ISO 9083:2001)
- HRN ISO 9085:2009 en pr  
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – Primjena za industrijske zupčanike (ISO 9085:2002)  
Calculation of load capacity of spur and helical gears – Application for industrial gears (ISO 9085:2002)
- HRN EN ISO 10644:2009 en pr  
Komplet vijaka i podložne pločice s ravnom podložnom pločicom – Tvrdoća podložne pločice 200 HV i 300 HV (ISO 10644:2009; EN ISO 10644:2009)  
Screw and washer assemblies made of steel with plain washers – Washer hardness classes 200 HV and 300 HV (ISO 10644:2009; EN ISO 10644:2009)
- HRN EN ISO 10673:2009 en pr  
Ravne podložne pločice za komplete vijaka i podložnih pločica – Male, normalne i velike – Proizvod kvalitete izrade A (ISO 10673:2009; EN ISO 10673:2009)  
Plain washers for screw and washer assemblies – Small, normal and large series – Product grade A (ISO 10673:2009; EN ISO 10673:2009)
- HRN EN ISO 13337:2009 en pr  
Elastični cilindrični zatici – Rasječeni, za lake uvjete rada (ISO 13337:2009; EN ISO 13337:2009)  
Spring-type straight pins – Slotted, light duty (ISO 13337:2009; EN ISO 13337:2009)
- HRN EN 14399-9:2009 en pr  
Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 9. dio: Sustav HR ili HV – Izravni indikatori opterećenja za spojeve vijka i matice (EN 14399-9:2009)  
High-strength structural bolting assemblies for preloading – Part 9: System HR or HV – Direct tension indicators for bolt and nut assemblies (EN 14399-9:2009)
- HRN EN 14399-10:2009 en pr  
Visokočvrsti konstrukcijski predopterećeni vijčani spojevi – 10. dio: Sustav HRC – Spojevi vijka i matice s kalibriranim predopterećenjem (EN 14399-10:2009)  
High-strength structural bolting assemblies for preloading – Part 10: System HRC – Bolt and nut assemblies with calibrated preload (EN 14399-10:2009)

## HZN/TO 553, Predgotovljeni proizvodi

- HRN EN 12003:2008/Ispr.1:2009 en pr  
Ljepila za pločice – Određivanje smične prionljivosti ljepila na osnovi reakcijskih smola (EN 12003:2008/AC:2009)  
Adhesive for tiles – Determination of shear adhesion strength of reaction resin adhesives (EN 12003:2008/AC:2009)
- HRN EN 14891:2008/Ispr.1:2009 en pr  
Vodonepropusni proizvodi u tekućem obliku za primjenu ispod keramičkih pločica povezanih ljepilom – Zahtjevi, ispitne metode, vrednovanje sukladnosti, razredba i označavanje (EN 14891:2007/AC:2009)  
Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives – Requirements, test methods, evaluation of conformity, classification and designation (EN 14891:2007/AC:2009)

## HZN/TO 557, Zaštitna odjeća

- HRN EN 659:2008/Ispr.1:2009 en pr  
Zaštitne rukavice za vatrogasce (EN 659:2003+A1:2008/AC:2009)  
Protective gloves for firefighters (EN 659:2003+A1:2008/AC:2009)

## HZN/TO 562, Alatni strojevi i alati

- HRN EN 1870-17:2009 en pr  
Sigurnost strojeva za obradu drveta – Kružne pile – 17. dio: Ručne horizontalne kružne pile s jednim listom (ručni radijalni nosač pile) (EN 1870-17:2007+A2:2009)  
Safety of woodworking machines – Circular sawing machines – Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (manual radial arm saws) (EN 1870-17:2007+A2:2009)

## HZN/TO E79, Alarmni sustavi

HRN EN 50134-5:2009 en pr  
Alarmni sustavi – Socijalni alarmni sustavi – 5. dio: Veze i komunikacije (EN 50134-5:2004)  
Alarm systems – Social alarm systems – Part 5: Interconnections and communications (EN 50134-5:2004)

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

HRN EN 61000-4-28:2001/A1:2009 en pr  
Elektromagnetska kompatibilnost (EMC) – Dio 4-28: Ispitne i mjerne tehnike – Ispitivanje otpornosti na promjene frekvencije napajanja (IEC 61000-4-28:1999/am1:2001; EN 61000-4-28:2000/A1:2004)  
Electromagnetic compatibility (EMC) – Part 4-28: Testing and measurement techniques – Variation of power frequency, immunity test (IEC 61000-4-28:1999/am1:2001; EN 61000-4-28:2000/A1:2004)

## HZN/TU I2, Strojarstvo 2

HRN EN ISO 7096:2009/Ispr.1:2009 en pr  
Earth-moving machinery – Laboratory evaluation of operator seat vibration (EN ISO 7096:2008/AC:2009)

## 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 28, Naftni proizvodi i maziva

nHRN EN 14214 hr pp/na  
Goriva za motorna vozila – Metilni esteri masnih kiselina (FAME) za dizelske motore – Zahtjevi i metode ispitivanja (EN 14214:2008)  
Automotive fuels – Fatty acid methyl esters (FAME) for diesel engines – Requirements and test methods (EN 14214:2008)

## HZN/TO 523, Humanitarno razminiranje

nHRN 1142 hr izv  
Humanitarno razminiranje – Zahtjevi i ocjena sukladnosti strojeva  
Humanitarian demining – Requirements and conformity assessment for machines

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

nHRN EN 55020 hr pp  
Zvučni i televizijski radiodifuzijski prijammici i pridružena oprema – Značajke otpornosti – Granice i mjerne metode (CISPR 20:2006; EN 55020:2007)  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (CISPR 20:2006; EN 55020:2007)

## 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 5, Metalne cijevi i priključci

EN 598:2007+A1:2009 en  
Ductile iron pipes, fittings, accessories and their joints for sewerage applications – Requirements and test methods  
Duktilne željezne cijevi, spojni dijelovi, pribor i njihovi spojevi za odvodnju otpadnih voda – Zahtjevi i postupci ispitivanja

EN 969:2009 en  
Ductile iron pipes, fittings, accessories and their joints for gas pipelines – Requirements and test methods  
Duktilne željezne cijevi, spojni dijelovi, pribor i njihovi spojevi za plinske cjevovode – Zahtjevi i postupci ispitivanja

EN 1591-1:2002+A1:2009 en  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 1: Calculation method  
Prirubnice i njihovi spojevi – Pravila za projektiranje prirubničkih spojeva s kružnim brtvama – 1. dio: Postupak proračuna

CEN/TS 1591-3:2007 en  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 3: Calculation method for metal to metal contact type flanged joint

CEN/TS 1591-4:2007 en  
Flanges and their joints – Design rules for gasketed circular flange connections – Part 4: Qualification of personnel competency in the assembly of bolted joints fitted to equipment subject to the pressure equipment directive

EN 14917:2009 en  
Metal bellows expansion joints for pressure applications

CEN/TR 15545:2006 en  
Guide to the use of EN 545

EN 15655:2009 en  
Ductile iron pipes, fittings and accessories – Internal polyurethane lining for pipes and fittings – Requirements and test methods

## HZN/TO 8, Brodogradnja

EN 280:2001+A2:2009 en  
Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests  
Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi

EN 1398:2009 en  
Dock levellers – Safety requirements  
Prilagodljive platforme – Sigurnosni zahtjevi

EN 1493:1998+A1:2008 en  
Vehicle lifts  
Dizala za vozila

EN 1494:2000+A1:2008 en  
Mobile or movable jacks and associated lifting equipment  
Pokretne ili prenosive podne dizalice i pripadajuća podizna oprema

EN 1495:1997+A2:2009 en  
Lifting platforms – Mast climbing work platforms  
Podizne platforme – Stupne radne platforme

EN 1570:1998+A2:2009 en  
Safety requirements for lifting tables  
Zahtjevi za sigurnost za podizne stolove

EN 1756-2:2004+A1:2009 en  
Tail lifts – Platform lifts for mounting on wheeled vehicles – Safety requirements – Part 2: Tail lifts for passengers  
Stražnja dizala – Platformna dizala za ugradnju na vozilima na kotačima – Zahtjevi za sigurnost – 2. dio: Stražnje dizalo za putnike

EN 1914:2009 en  
Inland navigation vessels – Work boats, ship's boats and lifeboats  
Plovila unutarnje plovidbe – Radni čamci, brodski čamci i čamci za spašavanje

EN 13573:2009 en  
Inland navigation vessels – Anchoring, coupling, towing, hauling and mooring systems  
Plovila unutarnje plovidbe – Sustavi sidrenja, prikapčanja, tegljenja, pritezanja i vezivanja

- EN 14010:2003+A1:2009 en  
Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages
- EN 14504:2009 en  
Inland navigation vessels – Floating landing stages – Requirements, tests  
Plovila unutarnje plovidbe – Plutajuća privezišta – Zahtjevi, ispitivanja

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

- EN 3-10:2009 en  
Portable fire extinguishers – Part 10: Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7  
Prijenosni vatrogasni aparati – 10. dio: Zahtjevi za vrednovanje sukladnosti prijenosnih vatrogasnih aparata prema normi EN 3-7
- EN 12845:2004+A2:2009 en  
Fixed firefighting systems – Automatic sprinkler systems – Design, installation and maintenance  
Stabilni sustavi za gašenje požara – Sustavi automatskih sprinklera – Projektiranje, ugradnja i održavanje
- EN 15767-1:2009 en  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable monitors – Part 1: General requirements for portable monitor assemblies  
Prijenosna oprema za izbacivanje sredstva za gašenje koje dobavljaju vatrogasne pumpe – Prijenosni monitori – 1. dio: Opći zahtjevi za sklopove prijenosnih monitora
- EN 15767-2:2009 en  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable monitors – Part 2: Water nozzles  
Prijenosna oprema za izbacivanje sredstva za gašenje koje dobavljaju vatrogasne pumpe – Prijenosni monitori – 2. dio: Mlaznice za vodu

## **HZN/TO 34/PO 5, Poljoprivredni i prehrambeni proizvodi; Mlijeko i mliječni proizvodi**

- ISO 488:2008 en  
Milk – Determination of fat content – Gerber butyrometers  
Mlijeko – Određivanje udjela masti – Butirometrijski po Gerberu
- ISO 2446:2008 en  
Milk – Determination of fat content  
Mlijeko – Određivanje udjela masti
- ISO 3356:2009 en  
Milk – Determination of alkaline phosphatase  
Mlijeko – Određivanje aktivnosti alkalne fosfataze
- ISO 3432:2008 en  
Cheese – Determination of fat content – Butyrometer for Van Gulik method  
Sir – Određivanje udjela masti – Butirometrijski Van Gulikova metoda
- ISO 3433:2008 en  
Cheese – Determination of fat content – Van Gulik method  
Sir – Određivanje udjela masti – Van Gulikova metoda
- ISO 5544:2008 en  
Caseins – Determination of “fixed ash” (Reference method)  
Kazeini – Određivanje “vezanog pepela” (Referentna metoda)
- ISO 5545:2008 en  
Rennet caseins and caseinates – Determination of ash (Reference method)  
Sirišni kazeini i kazeinati – Određivanje pepela (Referentna metoda)
- ISO 5547:2008 en  
Caseins – Determination of free acidity (Reference method)  
Kazeini – Određivanje slobodne kiselosti (Referentna metoda)
- ISO 8260:2008 en  
Milk and milk products – Determination of organochlorine pesticides and polychlorobiphenyls – Method using capillary gas-liquid chromatography with electron-capture detection

Mlijeko i mliječni proizvodi – Određivanje organokloriranih pesticida i polikloriranih bifenila – Metoda plinsko-tekućinske kromatografije uz detekciju detektorom na zahvat elektrona (ECD)

- ISO 9231:2008 en  
Milk and milk products – Determination of the benzoic and sorbic acid contents  
Mlijeko i mliječni proizvodi – Određivanje udjela benzojeve i sorbinske kiseline
- ISO/TS 11059:2009 en  
Milk and milk products – Method for the enumeration of Pseudomonas spp.  
Mlijeko i mliječni proizvodi – Metoda za brojenje Pseudomonas spp.
- ISO/TS 17837:2008 en  
Processed cheese products – Determination of nitrogen content and crude protein calculation – Kjeldahl method  
Proizvodi od topljenog sira – Određivanje udjela dušika i izračun proteina – Kjeldahlova metoda
- ISO 22935-1:2009 en  
Milk and milk products – Sensory analysis – Part 1: General guidance for the recruitment, selection, training and monitoring of assessors  
Mlijeko i mliječni proizvodi – Senzorske analize – 1. dio: Opće upute za regrutiranje, odabir, osposobljavanje i nadziranje ocjenitelja
- ISO 22935-2:2009 en  
Milk and milk products – Sensory analysis – Part 2: Recommended methods for sensory evaluation  
Mlijeko i mliječni proizvodi – Senzorske analize – 2. dio: Preporučene metode za senzorsku ocjenu
- ISO 22935-3:2009 en  
Milk and milk products – Sensory analysis – Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring  
Mlijeko i mliječni proizvodi – Senzorske analize – 3. dio: Upute o metodi za ocjenu sukladnosti sa specifikacijom proizvoda za senzorska svojstva određena bodovanjem

- ISO 23065:2009 en  
Milk fat from enriched dairy products – Determination of omega-3 and omega-6 fatty acid content by gas-liquid chromatography  
Mliječna mast iz obogaćenih mliječnih proizvoda – Određivanje udjela omega-3 i omega-6 masnih kiselina plinsko-tekućinskom kromatografijom
- ISO 26323:2009 en  
Milk products – Determination of the acidification activity of dairy cultures by continuous pH measurement (CpH)  
Mliječni proizvodi – Kiselinska aktivnost mliječnih kultura određena kontinuiranom pH- metrijom (CpH)
- ISO/TS 27265:2009 en  
Dried milk – Enumeration of the specially thermoresistant spores of thermophilic bacteria  
Mlijeko u prahu – Brojenje specijalnih termorezistentnih spora termofilnih bakterija

## **HZN/TO 34/PO 7, Poljoprivredni i prehrambeni proizvodi; Kava, čaj, mirodije i začini**

- EN ISO 676:2009 en  
Spices and condiments – Botanical nomenclature (ISO 676:1995+Cor 1:1997)  
Mirodije i začini – Botanička nomenklatura (ISO 676:1995+Cor 1:1997)
- EN ISO 948:2009 en  
Spices and condiments – Sampling (ISO 948:1980)  
Mirodije i začini – Uzorkovanje (ISO 948:1980)
- EN ISO 6465:2009 en  
Spices – Cumin (Cuminum cyminum L.) – Specification (ISO 6465:2009)  
Mirodije – Kumin (Cuminum cyminum L.) – Specifikacija (ISO 6465:2009)
- EN ISO 6571:2009 en  
Spices, condiments and herbs – Determination of volatile oil content (hydrodistillation method) (ISO 6571:2008)  
Mirodije, začini i bilje – Određivanje sadržaja hlapljivih ulja (metoda destilacije vodom) (ISO 6571:2008)

## HZN/TO 92, *Zaštita od požara*

- EN 13501-5:2005+A1:2009 en  
Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests  
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 5. dio: Razredba prema rezultatima ispitivanja izloženosti krovova požaru izvana
- EN 15080-8:2009 en  
Extended application of results from fire resistance tests – Part 8: Beams  
Proširena primjena rezultata ispitivanja otpornosti na požar – 8. dio: Grede
- CEN/TS 15117:2005 en  
Guidance on direct and extended application  
Smjernice za direktnu i proširenu primjenu
- EN 15269-7:2009 en  
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 7: Fire resistance for steel sliding doorsets  
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 7. dio: Otpornost na požar čeličnih kliznih vrata
- EN 15269-20:2009 en  
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 20: Smoke control for hinged and pivoted steel, timber and metal framed glazed doorsets  
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 20. dio: Dimopropusnost zaokretnih čeličnih i drvenih vrata, te staklenih vrata s metalnim dovratnikom
- CEN/TS 15447:2006 en  
Mounting and fixing in reaction to fire tests under the construction products directive  
Ugradnja i pričvršćenje pri ispitivanjima reakcije na požar proizvoda prema direktivi o građevnim proizvodima

## HZN/TO 146, *Kakvoća zraka*

- ISO 8672:1993 en  
Air quality – Determination of the number concentration of airborne inorganic fibres by phase contrast optical microscopy – Membrane filter method  
Kvaliteta zraka – Određivanje brojčane koncentracije anorganskih vlakana fazno-kontrastnim mikroskopom – Metoda membranskog filtra

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

- EN ISO 10304-1:2009 en  
Water quality – Determination of dissolved anions by liquid chromatography of ions – Part 1: Determination of bromide, chloride, fluoride, nitrate, nitrite, phosphate and sulfate (ISO 10304-1:2007)  
Kakvoća vode – Određivanje otopljenih aniona ionskom tekućinskom kromatografijom – 1. dio: Određivanje bromida, klorida, fluorida, nitrata, fosfata i sulfata (ISO 10304-1:2007)
- ISO 10523:2008 en  
Water quality – Determination of pH  
Kakvoća vode – Određivanje pH vrijednosti
- EN ISO 22032:2009 en  
Water quality – Determination of selected polybrominated diphenyl ethers in sediment and sewage sludge – Method using extraction and gas chromatography/mass spectrometry (ISO 22032:2006)  
Kakvoća vode – Određivanje odabranih polibromiranih difenil-etera u sedimentu i otpadnom mulju – Metoda ekstrakcije i plinske kromatografije/spektrometrije masa (ISO 22032:2006)

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

- CEN/TS 81-11:2009 en  
Safety rules for the construction and installation of lifts – Basics and interpretations – Part 11: Interpretations related to EN 81 family of standards  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Osnove i tumačenja – 11. dio: Tumačenja u odnosu na EN 81 porodicu norma
- EN 81-21:2009 en  
Safety rules for the construction and installation of lifts – Lifts for the transport of persons and goods – Part 21: New passenger and goods passenger lifts in existing building  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Dizala za transport osoba i tereta – 21. dio: Nova osobna dizala i osobna teretna dizala u postojećim zgradama
- EN 81-41:2009 en  
Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 41: Vertical lifting platforms intended for use by persons with impaired mobility  
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna dizala za prijevoz osoba i tereta – 41. dio: Vertikalne podizne platforme namijenjene osobama sa smanjenom pokretljivošću
- EN 12159:2000+A1:2009 en  
Builders hoists for persons and materials with vertically guided cages  
Građevna dizala za prijevoz osoba i materijala s okomito vođenom voznom košarom

## HZN/TO 508, *Ambalaža i pakiranje*

- EN 12374:2009 en  
Packaging – Flexible tubes – Terminology  
Ambalaža – Savitljive tube – Nazivlje
- EN 12375:2009 en  
Packaging – Flexible aluminium tubes – Wall thickness determination method  
Ambalaža – Savitljive aluminijske tube – Metoda određivanja debljine stijenke
- EN 12707:2009 en  
Plastics drums – Non-removable head (tight head) drums with a nominal capacity of 210 l and 225 l  
Plastične bačve – Bačve s neodvojivim poklopcem nazivnog obujma 210 l i 225 l
- EN 12714:2009 en  
Plastics drums – Removable head (open head) drums with a nominal capacity of 25 l to 60 l  
Plastične bačve – Bačve s odvojivim poklopcem nazivnog obujma od 25 l do 60 l
- EN ISO 12777-1:1996/A1:2008 en  
Methods of test for pallet joints – Part 1: Determination of bending resistance of pallet nails, other dowel-type fasteners and staples – Amendment 1 (ISO 12777-1:1994/Amd 1:2008)  
Metode ispitivanja spojeva paleta – 1. dio: Određivanje otpornosti na savijanje paletnih čavala, drugih pričvrstnih elemenata klinastoga tipa i spojnice – Amandman 1 (ISO 12777-1:1994/Amd 1:2008)
- EN 13045:2009 en  
Packaging – Flexible cylindrical plastic tubes – Dimensions and tolerances  
Ambalaža – Savitljive valjkaste plastične tube – Dimenzije i dopuštena odstupanja
- EN 13048:2009 en  
Packaging – Flexible aluminium tubes – Internal lacquer film thickness measurement method  
Ambalaža – Savitljive aluminijske tube – Metoda mjerenja debljine sloja unutarnjeg laka
- EN 13461:2009 en  
Packaging – Cylindrical flexible laminated tubes – Dimensions and tolerances  
Ambalaža – Valjkaste savitljive višeslojne tube – Dimenzije i dopuštena odstupanja

- EN 13698-2:2009 en  
Pallet production specification – Part 2: Construction specification for 1000 mm x 1200 mm flat wooden pallets  
Proizvodna specifikacija za palete – 2. dio: Specifikacija konstrukcije za plošne drvene palete dimenzija 1000 mm x 1200 mm
- EN 15507:2008 en  
Packaging – Transport packaging of dangerous goods – Comparative material testing of polyethylene grades  
Ambalaža – Ambalaža za prijevoz opasnih tvari – Usporedno ispitivanje polietilenskih tipova materijala
- EN 15653:2009 en  
Packaging – Flexible aluminium tubes – Test method to check the resistance of the internal protective coating against ammonia  
Ambalaža – Savitljive aluminijske tube – Metoda ispitivanja postojanosti unutarnje prevlake na amonijak
- EN 15766:2009 en  
Packaging – Flexible aluminium tubes – Test methods to determine the polymerization of the internal coating with acetone  
Ambalaža – Savitljive aluminijske tube – Metode ispitivanja za određivanje stupnja polimerizacije unutarnje prevlake acetonom

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

- EN 1463-1:2009 en  
Road marking materials – Retroreflecting road studs – Part 1: Initial performance requirements  
Materijali za oznake na kolniku – Retroreflektirajući markeri – 1. dio: Osnovna zahtijevana svojstva
- EN 13422:2004+A1:2009 en  
Vertical road signs – Portable deformable warning devices and delineators – Portable road traffic signs – Cones and cylinders  
Vertikalna cestovna signalizacija – Prenosivi deformirajući uređaji i delineatori – Prenosivi prometni znakovi – Stošci i cilindri

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

- ISO 14813-1:2007 en  
Intelligent transport systems – Reference model architecture(s) for the ITS sector – Part 1: ITS service domains, service groups and services  
Informacije o prometu i kontrolni sustavi – Referentni model arhitekture IPKS sektora – 1. dio: Temeljni servisi
- EN ISO 15008:2009 en  
Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2009)  
Cestovna vozila – Ergonomski aspekti prometnih podataka i upravljačkih sustava – Specifikacije i ispitni postupci usklađivanja za vizualni prikaz u vozilu (ISO 15008:2009)
- CEN/TS 15722:2009 en  
Road transport and traffic telematics – ESafety – ECall minimum set of data (MSD)  
Cestovni prijevoz i prometna telematika – Elektronička sigurnost – Najmanji skup podataka unutar sustava pan - europskih hitnih poziva iz vozila (eCall)
- CEN ISO/TS 17574:2009 en  
Electronic fee collection – Guidelines for security protection profiles (ISO/TS 17574:2009)  
Elektronička naplata – Smjernice za izradu sigurnosnog profila (ISO/TS 17574:2009)
- CEN ISO/TS 25110:2008 en  
Electronic fee collection – Interface definition for on-board account using integrated circuit card (ICC) (ISO/TS 25110:2008)  
Elektronička naplata – Sučelje za naplatu/obračun unutar vozila uporabom elektroničke (čip) kartice (ISO/TS 25110:2008)

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

- EN 534:2006/FprA1 en  
Corrugated bitumen sheets – Product specification and test methods  
Valovite bitumenske ploče – Specifikacija proizvoda i metode ispitivanja

- EN 1847:2009 en  
Flexible sheets for waterproofing – Plastics and rubber sheets for roof waterproofing – Methods for exposure to liquid chemicals, including water  
Savitljive hidroizolacijske trake – Plastične i elastomerne hidroizolacijske trake za krovove – Metode izlaganja tekućim kemikalijama uključujući vodu
- EN 1849-2:2009 en  
Flexible sheets for waterproofing – Determination of thickness and mass per unit area – Part 2: Plastic and rubber sheets  
Savitljive hidroizolacijske trake – Određivanje debljine i mase po jedinici površine – 2. dio: Plastične i elastomerne hidroizolacijske trake
- FprEN 12311-2 en  
Flexible sheets for waterproofing – Determination of tensile properties – Part 2: Plastic and rubber sheets for roof waterproofing  
Savitljive hidroizolacijske trake – Određivanje vlačnih svojstava – 2. dio: Plastične i elastomerne hidroizolacijske trake za krovove
- FprEN 12317-2 en  
Flexible sheets for waterproofing – Determination of shear resistance of joints – Part 2: Plastic and rubber sheets for waterproofing  
Savitljive hidroizolacijske trake – Određivanje posmične otpornosti spojeva – 2. dio: Plastične i elastomerne hidroizolacijske trake
- EN 13707:2004+A2:2009 en  
Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing – Definitions and characteristics  
Savitljive hidroizolacijske trake – Bitumenske hidroizolacijske krovne trake s uloškom – Definicije i značajke
- EN 14695:2009 en  
Flexible sheets for waterproofing – Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete – Definitions and characteristics  
Savitljive hidroizolacijske trake – Bitumenske trake s uloškom za hidroizolaciju betonskih ploča mostova i drugih betonskih površina – Definicije i karakteristike

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

- EN 12299:2009 en  
Railway applications – Ride comfort for passengers – Measurement and evaluation  
Oprema za željeznice – Udobnost vožnje putnika – Mjerenje i vrednovanje
- EN 13103:2009 en  
Railway applications – Wheelsets and bogies – Non-powered axles – Design method  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Slobodne osovine – Metode konstruiranja
- EN 13104:2009 en  
Railway applications – Wheelsets and bogies – Powered axles – Design method  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Pogonske osovine – Metode konstruiranja
- EN 13230-1:2009 en  
Railway applications – Track – Concrete sleepers and bearers – Part 1: General requirements  
Oprema za željeznice – Željeznički gornji ustroj – Betonski pragovi i nosači – 1. dio: Općeniti zahtjevi
- EN 13230-2:2009 en  
Railway applications – Track – Concrete sleepers and bearers – Part 2: Prestressed monoblock sleepers  
Oprema za željeznice – Željeznički gornji ustroj – Betonski pragovi i nosači – 2. dio: Prednapeti jednodijelni pragovi
- EN 13230-3:2009 en  
Railway applications – Track – Concrete sleepers and bearers – Part 3: Twin-block reinforced sleepers  
Oprema za željeznice – Željeznički gornji ustroj – Betonski pragovi i nosači – 3. dio: Dvodijelni armirani pragovi
- EN 13230-4:2009 en  
Railway applications – Track – Concrete sleepers and bearers – Part 4: Prestressed bearers for switches and crossings  
Oprema za željeznice – Željeznički gornji ustroj – Betonski pragovi i nosači – 4. dio: Prednapeti pragovi za skretnice i križišta



- EN 13230-5:2009 en  
Railway applications – Track – Concrete sleepers and bearers – Part 5: Special elements  
Oprema za željeznice – Željeznički gornji ustroj – Betonski pragovi i nosači – 5. dio: Posebni elementi
- EN 13260:2009 en  
Railway applications – Wheelsets and bogies – Wheelsets – Product requirements  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Osovinski sklopovi – Zahtjevi za proizvod
- EN 13261:2009 en  
Railway applications – Wheelsets and bogies – Axles – Product requirements  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Osovine – Zahtjevi za proizvod
- EN 13262:2004+A1:2008 en  
Railway applications – Wheelsets and bogies – Wheels – Product requirements  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Kotači – Zahtjevi za proizvod
- EN 13848-3:2009 en  
Railway applications – Track – Track geometry quality – Part 3: Measuring systems – Track construction and maintenance machines  
Oprema za željeznice – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 3. dio: Mjerni sustavi – Kolosiječni strojevi za gradnju i održavanje
- EN 13979-1:2003+A1:2009 en  
Railway applications – Wheelsets and bogies – Monobloc wheels – Technical approval procedure – Part 1: Forged and rolled wheels  
Oprema za željeznice – Osovinski sklopovi i okretna postolja – Monoblok kotači – Postupak tehničkog usvajanja – 1. dio: Kovani i valjani kotači
- EN 14033-1:2008 en  
Railway applications – Track – Railbound construction and maintenance machines – Part 1: Technical requirements for running  
Oprema za željeznice – Željeznički gornji ustroj – Kolosiječni strojevi za gradnju i održavanje – 1. dio: Tehnički zahtjevi za vožnju
- EN 14067-4:2005+A1:2009 en  
Railway applications – Aerodynamics – Part 4: Requirements and test procedures for aerodynamics on open track  
Oprema za željeznice – Aerodinamika – 4. dio: Zahtjevi i ispitni postupci za aerodinamiku na otvorenoj pruzi
- EN 14531-6:2009 en  
Railway applications – Methods for calculation of stopping and slowing distances and immobilisation braking – Part 6: Step by step calculations for train sets or single vehicles  
Oprema za željeznice – Metode proračuna zaustavnih puteva, razmaka usporjenja i pritvrdnog kočenja – 6. dio: Korak-po-korak proračun za motorne vlakove ili pojedinačna vozila
- EN 14587-2:2009 en  
Railway applications – Track – Flash butt welding of rails – Part 2: New R220, R260, R260Mn and R350HT grade rails by mobile welding machines at sites other than a fixed plant  
Oprema za željeznice – Željeznički gornji ustroj – Elektrootporno zavarivanje tračnica – 2. dio: Zavarivanje novih tračnica kakvoće R220, R260, R260Mn i R350HT pokretnim strojevima za zavarivanje na radilištima izvan stabilnih postrojenja
- EN 14865-1:2009 en  
Railway Applications – Axlebox lubricating greases – Part 1: Method to test the ability to lubricate  
Oprema za željeznice – Maziva za kućišta ležaja – 1. dio: Metoda ispitivanja podmazivosti
- EN 14865-2:2006+A1:2009 en  
Railway applications – Axlebox lubricating greases – Part 2: Method to test the mechanical stability to cover vehicle speeds up to 200 km/h  
Oprema za željeznice – Sredstva za podmazivanje osovinskih ležišta – 2. dio: Metode ispitivanja mehaničke postojanosti za vozila brzina do 200 km/h
- EN 15220-1:2008 en  
Railway applications – Brake indicators – Part 1: Pneumatically operated brake indicators
- EN 15327-1:2008 en  
Railway applications – Passenger alarm subsystem – Part 1: General requirements and passenger interface for the passenger emergency brake system
- EN 15355:2008 en  
Railway applications – Braking – Distributor valves and distributor-isolating devices
- EN 15427:2008 en  
Railway applications – Wheel/rail friction management – Flange lubrication
- EN 15437-1:2009 en  
Railway applications – Axlebox condition monitoring – Interface and design requirements – Part 1: Track side equipment and rolling stock axlebox
- EN 15551:2009 en  
Railway applications – Railway rolling stock – Buffers
- EN 15566:2009 en  
Railway applications – Railway rolling stock – Draw gear and screw coupling
- EN 15594:2009 en  
Railway applications – Track – Restoration of rails by electric arc welding  
Oprema za željeznice – Željeznički gornji ustroj – Obnavljanje tračnica elektro lučnim navarivanjem
- EN 15595:2009 en  
Railway applications – Braking – Wheel slide protection
- EN 15610:2009 en  
Railway applications – Noise emission – Rail roughness measurement related to rolling noise generation  
Oprema za željeznice – Emisija buke – Mjerenje hrapavosti tračnica povezane sa stvaranjem buke pri vožnji željezničkih vozila
- EN 15611:2008 en  
Railway applications – Braking – Relay valves
- EN 15612:2008 en  
Railway applications – Braking – Brake pipe accelerator valve
- EN 15624:2008 en  
Railway applications – Braking – Empty-loaded changeover devices
- EN 15625:2008 en  
Railway applications – Braking – Automatic variable load sensing devices
- EN 15663:2009 en  
Railway applications – Definition of vehicle reference masses
- CEN/TR 15874:2009 en  
Railway applications – Noise emission – Road test of standard for rail roughness measurement EN 15610:2009  
Oprema za željeznice – Emisija buke – Terensko ispitivanje primjene norme za mjerenje hrapavosti tračnica EN 15610:2009

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

- EN 528:2008 en  
Rail dependent storage and retrieval equipment – Safety requirements  
Oprema regalnih uređaja na tračnicama – Sigurnosni zahtjevi
- EN 13001-1:2004+A1:2009 en  
Cranes – General design – Part 1: General principles and requirements  
Granici – Opće projektiranje – 1. dio: Opća načela i zahtjevi
- EN 13001-2:2004+A3:2009 en  
Crane safety – General design – Part 2: Load effects  
Granici – Opće projektiranje – 2. dio: Djelovanje opterećenja
- EN 13155:2003+A2:2009 en  
Cranes – Safety – Non-fixed load lifting attachments  
Granici – Sigurnost – Ovjjesna sredstva
- EN 14439:2006+A2:2009 en  
Cranes – Safety – Tower cranes  
Granici – Sigurnost – Toranjski granici
- EN 15056:2006+A1:2009 en  
Cranes – Requirements for container handling spreaders  
Granici – Zahtjevi za hvataljke za kontejnere

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

- EN 1492-1:2000+A1:2008 en  
Textile slings – Safety – Part 1: Flat woven webbing slings made of man-made fibres for general purpose use  
Tekstilne priveznice – Sigurnost – 1. dio: Ravno tkane priveznice od umjetnih vlakana za opću uporabu
- EN 1492-2:2000+A1:2008 en  
Textile slings – Safety – Part 2: Roundslings made of man-made fibres for general purpose use  
Tekstilne priveznice – Sigurnost – 2. dio: Kružne priveznice od umjetnih vlakana za opću uporabu
- EN 1492-4:2004+A1:2008 en  
Textile slings – Safety – Part 4: Lifting slings for general service made from natural and man-made fibre ropes  
Tekstilne priveznice – Sigurnost – 4. dio: Podizne priveznice opće namjene od prirodne i umjetne vlaknaste užadi
- EN 1677-1:2000+A1:2008 en  
Components for slings – Safety – Part 1: Forged steel components, Grade 8  
Dijelovi za priveznice – Sigurnost – 1. dio: Kovani čelični dijelovi, razred 8
- EN 1677-4:2000+A1:2008 en  
Components for slings – Safety – Part 4: Links, Grade 8  
Dijelovi za priveznice – Sigurnost – 4. dio: Alke, razred 8
- EN 1677-5:2001+A1:2008 en  
Components for slings – Safety – Part 5: Forged steel lifting hooks with latch – Grade 4  
Dijelovi za priveznice – Sigurnost – 5. dio: Kovane čelične kuke za dizanje sa sigurnosnim osiguračem – Razred 4
- EN 1677-6:2001+A1:2008 en  
Components for slings – Safety – Part 6: Links – Grade 4  
Dijelovi za priveznice – Sigurnost – 6. dio: Alke – Razred 4
- EN 13411-1:2002+A1:2008 en  
Terminations for steel wire ropes – Safety – Part 1: Thimbles for steel wire rope slings  
Završetci čelične užadi – Sigurnost – 1. dio: Uške za priveznice čelične užadi
- EN 13411-2:2001+A1:2008 en  
Terminations for steel wire ropes – Safety – Part 2: Splicing of eyes for wire rope slings  
Završetci čelične užadi – Sigurnost – 2. dio: Uplitanje omči za čelične priveznice
- EN 13414-3:2003+A1:2008 en  
Steel wire rope slings – Safety – Part 3: Grommets and cable-laid slings  
Priveznice od čelične užadi – Sigurnost – 3. dio: Upletene priveznice – Beskonačne priveznice i priveznice s dvije omče
- EN 13889:2003+A1:2008 en  
Forged steel shackles for general lifting purposes – Dee shackles and bow shackles – Grade 6 – Safety  
Kovani čelični škopci za opću uporabu – D škopci i trbušasti škopci – Razred 6 – Sigurnost

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

- EN ISO 4641:2008 en  
Rubber hoses and hose assemblies for water suction and discharge – Specification (ISO 4641:2005)  
Gumena crijeva i crijevni sklopovi za usisavanje i ispuštanje vode – Specifikacija (ISO 4641:2005)
- EN ISO 6802:2008 en  
Rubber and plastics hoses and hose assemblies with wire reinforcements – Hydraulic impulse test with flexing (ISO 6802:2005)  
Gumena i plastična crijeva i crijevni sklopovi ojačani žicom – Hidraulično impulsno ispitivanje savijanjem (ISO 6802:2005)
- ISO 8332:2006 en  
Rubber compounding ingredients – Sulfur – Methods of test  
Sastojci kaučukovih smjesa – Sumpor – Metode ispitivanja
- CEN/TS 14421:2006 en  
Hose tail and ferrule for crimping and swaging  
Priključak cijevi i objumica za učvršćivanje crijeva kovčanjem i sabijanjem
- CEN/TS 15534-1:2007 en  
Wood-plastics composites (WPC) – Part 1: Test methods for characterisation of WPC materials and products  
Drvno-plastični kompoziti (WPC) – 1. dio: Ispitne metode za karakterizaciju WPC materijala i proizvoda

CEN/TS 15534-2:2007 en  
Wood-plastics composites (WPC) – Part 2: Characterisation of WPC materials  
Drvno-plastični kompoziti (WPC) – 2. dio: Karakterizacija WPC materijala

CEN/TS 15534-3:2007 en  
Wood-plastics composites (WPC) – Part 3: Characterisation of WPC products  
Drvno-plastični kompoziti (WPC) – 3. dio: Karakterizacija WPC proizvoda

## **HZN/TO 533/PO 1, Kolničke konstrukcije; Cestograđevni materijali**

EN 12697-5:2009 en  
Bituminous mixtures – Test methods for hot mix asphalt – Part 5: Determination of the maximum density  
Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 5. dio: Određivanje gustoće asfaltne mješavine

FprEN 13036-1 en  
Road and airfield surface characteristics – Test methods – Part 1: Measurement of pavement surface macrotexture depth using a volumetric patch technique  
Površinska svojstva cesta i aerodromskih operativnih površina – Ispitne metode – 1. dio: Mjerenje dubine makrotekture površine kolnika volumetrijskim postupkom

FprEN ISO 13473-5 en  
Characterization of pavement texture by use of surface profiles – Part 5: Determination of megatexture (ISO 13473-5:2009)  
Karakterizacija tekture kolnika uporabom profila površine – 5. dio: Određivanje megatekture (ISO 13473-5:2009)

EN 14188-4:2009 en  
Joint fillers and sealants – Part 4: Specifications for primers to be used with joint sealants  
Brtveni umeci i (brtvene) mase – 4. dio: Specifikacije za premaze pri uporabi brtvenih masa

EN 15466-1:2009 en  
Primers for cold and hot applied joint sealants – Part 1: Determination of homogeneity  
Premazi za hladne i vruće brtvene mase – 1. dio: Određivanje homogenosti

EN 15466-2:2009 en  
Primers for cold and hot applied joint sealants – Part 2: Determination of resistance against alkali  
Premazi za hladne i vruće brtvene mase – 2. dio: Određivanje otpornosti na alkalije

EN 15466-3:2009 en  
Primers for cold and hot applied joint sealants – Part 3: Determination of solids content and evaporation behaviour of volatiles  
Premazi za hladne i vruće brtvene mase – 3. dio: Određivanje udjela krutih sastojaka i ponašanje hlapljivih sastojaka pri isparavanju

CEN/TS 15901-6:2009 en  
Road and airfield surface characteristics – Part 6: Procedure for determining the skid resistance of a pavement surface by measurement of the sideways force coefficient (SFCS): SCRIM®  
Površinska svojstva cesta i aerodromskih operativnih površina – 6. dio: Postupak za određivanje hvatljivosti površine kolnika mjerenjem koeficijenta bočne sile (SFCS): SCRIM®

CEN/TS 15901-7:2009 en  
Road and airfield surface characteristics – Part 7: Procedure for determining the skid resistance of a pavement surface using a device with longitudinal fixed slip ratio (LFCG): the GripTester®  
Površinska svojstva cesta i aerodromskih operativnih površina – 7. dio: Postupak za određivanje hvatljivosti površine kolnika uporabom uređaja sa stalnim omjerom uzdužnog proklizavanja (LFCG): Grip Tester®

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

EN 1626:2008 en  
Cryogenic vessels – Valves for cryogenic service  
Kriogenične posude – Ventili za kriogenične uvjete

- EN 13081:2008 en  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour collection adaptor and coupler  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Spojke sabirača para
- EN 13082:2008 en  
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour transfer valve  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Ventil za prijenos pare
- EN 13083:2008 en  
Tanks for transport of dangerous goods – Service equipment for tanks – Adaptor for bottom loading and unloading  
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Spojka za punjenje i pražnjenje s dna
- EN 13648-1:2008 en  
Cryogenic vessels – Safety devices for protection against excessive pressure – Part 1: Safety valves for cryogenic service  
Kriogenične posude – Sigurnosni uređaji za zaštitu od prokomišnjeg tlaka – 1. dio: Sigurnosni ventili za kriogenične uvjete
- EN 14116:2007+A1:2008 en  
Tanks for transport of dangerous goods – Digital interface for the product recognition device  
Spremnici za prijevoz opasnih tvari – Digitalni međusklop uređaja za prepoznavanje proizvoda

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

- EN 933-9:2009 en  
Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test  
Ispitivanja geometrijskih svojstava agregata – 9. dio: Procjena sitnih čestica – Ispitivanje metilenskim modrilom
- EN 933-10:2009 en  
Tests for geometrical properties of aggregates – Part 10: Assessment of fines – Grading of filler aggregates (air jet sieving)  
Ispitivanja geometrijskih svojstava agregata – 10. dio: Procjena sitnih čestica – Razvrstavanje punila (sijanje strujanjem zraka)
- EN 933-11:2009+AC:2009 en  
Tests for geometrical properties of aggregates – Part 11: Classification test for the constituents of coarse recycled aggregate  
Ispitivanja geometrijskih svojstava agregata – 11. dio: Određivanje sastojaka krupnog recikliranog agregata
- FprEN 1097-2 en  
Tests for mechanical and physical properties of aggregates – Part 2: Methods for the determination of resistance to fragmentation  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 2. dio: Metode za određivanje otpornosti na drobljenje
- EN 1097-8:2009 en  
Tests for mechanical and physical properties of aggregates – Part 8: Determination of the polished stone value  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 8. dio: Određivanje vrijednosti polirnosti kamena

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

- EN 12807:2009 en  
LPG equipment and accessories – Transportable refillable brazed steel cylinders for liquefied petroleum gas (LPG) – Design and construction  
Oprema i pribor za UNP – Prenosive, ponovno punjive, tvrdo lemljene čelične boce za ukapljeni naftni plin (UNP) – Projektiranje i izrada
- EN 13445-1:2009 en  
Unfired pressure vessels – Part 1: General  
Neložene tlačne posude – 1. dio: Općenito
- EN 13445-2:2009 en  
Unfired pressure vessels – Part 2: Materials  
Neložene tlačne posude – 2. dio: Materijali
- EN 13445-3:2009 en  
Unfired pressure vessels – Part 3: Design  
Neložene tlačne posude – 3. dio: Projektiranje

- EN 13445-4:2009 en  
Unfired pressure vessels – Part 4: Fabrication  
Neložene tlačne posude – 4. dio: Proizvodnja
- EN 13445-5:2009 en  
Unfired pressure vessels – Part 5: Inspection and testing  
Neložene tlačne posude – 5. dio: Pregled i ispitivanje
- EN 13445-6:2009 en  
Unfired pressure vessels – Part 6: Requirements for the design and fabrication of pressure vessels and pressure parts constructed from spheroidal graphite cast iron  
Neložene tlačne posude – 6. dio: Zahtjevi za projektiranje i proizvodnju tlačnih posuda i dijelova posuda izrađenih od nodularnog lijeva
- EN 13445-8:2009 en  
Unfired pressure vessels – Part 8: Additional requirements for pressure vessels of aluminium and aluminium alloys  
Neložene tlačne posude – 8. dio: Dodatni zahtjevi za tlačne posude izrađene od aluminija i aluminijevskih legura
- EN 15609:2008 en  
LPG equipment and accessories – LPG propulsion systems for boats, yachts and other craft – Installation requirements  
Oprema i pribor za UNP – Pogonski sustavi na UNP za brodove, jahte i ostala plovila – Zahtjevi za ugradnju

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

- EN 1093-1:2008 en  
Safety of machinery – Evaluation of the emission of airborne hazardous substances – Part 1: Selection of test methods  
Sigurnost strojeva – Određivanje emisije opasnih onečišćujućih tvari u zraku – 1. dio: Odabir metoda ispitivanja
- EN ISO 8230-1:2008 en  
Safety requirements for dry-cleaning machines – Part 1: Common safety requirements (ISO 8230-1:2008)
- EN ISO 8230-2:2008 en  
Safety requirements for dry-cleaning machines – Part 2: Machines using perchloroethylene (ISO 8230-2:2008)
- EN ISO 8230-3:2008 en  
Safety requirements for dry-cleaning machines – Part 3: Machines using combustible solvents (ISO 8230-3:2008)
- EN ISO 10472-1:2008 en  
Safety requirements for industrial laundry machinery – Part 1: Common requirements (ISO 10472-1:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 1. dio: Opći zahtjevi (ISO 10472-1:1997)
- EN ISO 10472-2:2008 en  
Safety requirements for industrial laundry machinery – Part 2: Washing machines and washer-extractors (ISO 10472-2:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 2. dio: Strojevi za pranje i perilice s izdvajačem (ISO 10472-2:1997)
- EN ISO 10472-3:2008 en  
Safety requirements for industrial laundry machinery – Part 3: Washing tunnel lines including component machines (ISO 10472-3:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 3. dio: Tunelske linije za pranje uključujući i složene strojeve (ISO 10472-3:1997)
- EN ISO 10472-4:2008 en  
Safety requirements for industrial laundry machinery – Part 4: Air dryers (ISO 10472-4:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 4. dio: Sušnice (sušilice) zrakom (ISO 10472-4:1997)
- EN ISO 10472-5:2008 en  
Safety requirements for industrial laundry machinery – Part 5: Flatwork ironers, feeders and folders (ISO 10472-5:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 5. dio: Strojevi za ravno glačanje, strojevi za dovodenje i preklapanje (ISO 10472-5:1997)
- EN ISO 10472-6:2008 en  
Safety requirements for industrial laundry machinery – Part 6: Ironing and fusing presses (ISO 10472-6:1997)  
Sigurnosni zahtjevi za strojeve za industrijsko pranje – 6. dio: Preše za glačanje i zavarivanje (ISO 10472-6:1997)
- EN ISO 11111-1:2009 en  
Textile machinery – Safety requirements – Part 1: Common requirements (ISO 11111-1:2005)

- EN ISO 11111-2:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 2: Spinning preparatory and spinning machines – Amendment 1 (ISO 11111-2:2005/Amd 1:2009)
- EN ISO 11111-3:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 3: Nonwoven machinery – Amendment 1 (ISO 11111-3:2005/Amd 1:2009)
- EN ISO 11111-4:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 4: Yarn processing, cordage and rope manufacturing machinery – Amendment 1 (ISO 11111-4:2005/Amd 1:2009)
- EN ISO 11111-5:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 5: Preparatory machinery to weaving and knitting – Amendment 1 (ISO 11111-5:2005/Amd 1:2009)
- EN ISO 11111-6:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery – Amendment 1 (ISO 11111-6:2005/Amd 1:2009)
- EN ISO 11111-7:2005/A1:2009 en  
Textile machinery – Safety requirements – Part 7: Dyeing and finishing machinery – Amendment 1 (ISO 11111-7:2005/Amd 1:2009)
- EN 12041:2000+A1:2009 en  
Food processing machinery – Moulders – Safety and hygiene requirements  
Strojari za preradu hrane – Strojari za oblikovanje – Sigurnosni i higijenski zahtjevi
- EN ISO 12100-1:2003/A1:2009 en  
Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology, methodology (ISO 12100-1:2003/Amd 1:2009)  
Sigurnost strojeva – Osnovni pojmovi, opća načela za projektiranje – 1. dio: Osnovna terminologija, metodologija (ISO 12100-1:2003/Amd 1:2009)
- EN ISO 12100-2:2003/A1:2009 en  
Safety of machinery – Basic concepts, general principles for design – Part 2: Technical principles (ISO 12100-2:2003/Amd 1:2009)  
Sigurnost strojeva – Osnovni pojmovi, opća načela za projektiranje – 2. dio: Tehnička načela (ISO 12100-2:2003/Amd 1:2009)
- EN 12215:2004+A1:2009 en  
Coating plants – Spray booths for application of organic liquid coating materials – Safety requirements  
Postrojenja za prevlačenje – Komora za naštrcavanje (prskanje) tekućih organskih materijala za prevlačenje – Sigurnosni zahtjevi
- EN 15436-4:2009 en  
Road service area maintenance equipment – Part 4: Delivery acceptance of the machines by the users
- EN 15583-1:2009 en  
Winter maintenance equipment – Snow ploughs – Part 1: Product description and requirements
- CEN/TR 15623:2008 en  
Food processing machinery – Route map – Materials for food area

## **HZN/TO E8, Sustavski vidovi opskrbe električnom energijom**

- EN 60059:1999/A1:2009 en  
IEC standard current ratings (IEC 60059:1999/am1:2009)  
IEC normirane nazivne struje (IEC 60059:1999/am1:2009)

## **HZN/TO E20, Električni kabeli**

- HD 21.3 S3:1995/A2:2008 en  
Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 3: Non-sheathed cables for fixed wiring  
Kabeli izolirani polivinil kloridom nazivnog napona do i uključivo 450/750 V – 3. dio: Kabeli bez plašta za čvrsto ožičenje
- HD 516 S2:1997/A2:2008 en  
Guide to use of low voltage harmonized cables  
Uputa za uporabu niskonaponskih harmoniziranih kabela

- HD 632 S2:2008 en  
Power cables with extruded insulation and their accessories for rated voltages above 36 kV (Um = 42 kV) up to 150 kV (Um = 170 kV)  
Energetski kabeli s brizganom izolacijom i njihov pribor za nazivne napone iznad 36 kV (Um = 42 kV) do 150 kV (Um = 170 kV)
- EN 50143:2009 en  
Cables for signs and luminous-discharge-tube installations operating from a no-load rated output voltage exceeding 1000 V but not exceeding 10000 V  
Kabeli za instalacije svjetlećih natpisa izlaznog napona iznad 1000 V do 10000 V
- EN 50483-1:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 1: Generalities  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 1. dio: Općenito
- EN 50483-2:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 2: Tension and suspension clamps for self supporting system  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 2. dio: Zategnutost i ovješnje spona za sustav samoodrživosti
- EN 50483-3:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 3: Tension and suspension clamps for neutral messenger system  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 3. dio: Zategnutost i ovješnje spona za sustav neutralnog užeta
- EN 50483-4:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 4: Connectors  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 4. dio: Vodiči
- EN 50483-5:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 5: Electrical ageing test  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 5. dio: Ispit električne izdržljivosti
- EN 50483-6:2009 en  
Test requirements for low voltage aerial bundled cable accessories – Part 6: Environmental testing  
Ispitni zahtjevi za niskonaponske radio antene obložene kabelskim priborom – 6. dio: Ispitivanje okoliša
- IEC 60502-1:2004 en  
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 1: Cables for rated voltages of 1 kV (Um = 1,2 kV) and 3 kV (Um = 3,6 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 1. dio: Kabeli za nazivne napone 1 kV (Um = 1,2 kV) i 3 kV (Um = 3,6 kV)
- IEC 60502-2:2005 en  
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 2: Cables for rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 2. dio: Kabeli za nazivne napone od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)
- IEC 60502-4:2005 en  
Power cables with extruded insulation and their accessories for rated voltages from 1 kV (Um = 1,2 kV) up to 30 kV (Um = 36 kV) – Part 4: Test requirements on accessories for cables with rated voltages from 6 kV (Um = 7,2 kV) up to 30 kV (Um = 36 kV)  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone od 1 kV (Um = 1,2 kV) do 30 kV (Um = 36 kV) – 4. dio: Ispitni zahtjevi za pribor za kabele nazivnih napona od 6 kV (Um = 7,2 kV) do 30 kV (Um = 36 kV)

- IEC 60840:2004 en  
Power cables with extruded insulation and their accessories for rated voltages above 30 kV (Um = 36 kV) up to 150 kV (Um = 170 kV) – Test methods and requirements  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 30 kV (Um = 36 kV) do 150 kV (Um = 170 kV) – Ispitne metode i zahtjevi
- IEC 61443:2008+am1:2008 en  
Short-circuit temperature limits of electric cables with rated voltages above 30 kV (Um = 36 kV)  
Granične temperature kod kratkog spoja na električnim kabelima nazivnog napona iznad 30 kV (Um = 36 kV)
- IEC 62067:2006 en  
Power cables with extruded insulation and their accessories for rated voltages above 150 kV (Um = 170 kV) up to 500 kV (Um = 550 kV) – Test methods and requirements  
Energetski kabeli s ekstrudiranom izolacijom i njihov pribor za nazivne napone iznad 150 kV (Um = 170 kV) do 500 kV (Um = 550 kV) – Ispitne metode i zahtjevi

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

- EN 60079-0:2009 en  
Explosive atmospheres – Part 0: Equipment – General requirements (IEC 60079-0:2007)  
Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (IEC 60079-0:2007)
- EN 60079-10-2:2009 en  
Explosive atmospheres – Part 10-2: Classification of areas – Combustible dust atmospheres (IEC 60079-10-2:2009)  
Eksplozivne atmosfere – Dio 10-2: Klasifikacija ugroženih prostora – Eksplozivne atmosfere prašina (IEC 60079-10-2:2009)

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

- EN 41003:2008 en  
Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system  
Posebni zahtjevi sigurnosti za opremu koja se priključuje na telekomunikacijske mreže i/ili kabelski sustav razdiobe
- EN 50514:2008 en  
Audio, video and information technology equipment – Routine electrical safety testing in production  
Audio i video oprema te oprema informacijske tehnologije – Uobičajeni postupci ispitivanja električne sigurnosti u proizvodnji
- EN 60065:2002/A11:2008 en  
Audio, video and similar electronic apparatus – Safety requirements  
Audio, video i slični elektronički uređaji – Zahtjevi sigurnosti
- IEC 60491:1984 en  
Safety requirements for electronic flash apparatus for photographic purposes  
Sigurnosni zahtjevi za elektroničke fotobljeskalice
- EN 60950-1:2006/A11:2009 en  
Information technology equipment – Safety – Part 1: General requirements  
Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi
- EN 60950-22:2006/A11:2008+AC:2009 en  
Information technology equipment – Safety – Part 22: Equipment installed outdoors  
Oprema informacijske tehnologije – Sigurnost – 22. dio: Oprema postavljena vani

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

- ETSI/TS 101 456 V1.4.3:2007 en  
Electronic signatures and infrastructures (ESI) – Policy requirements for certification authorities issuing qualified certificates  
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi za osobe ovlaštene za izdavanje potrebnog certifikata
- ETSI/TS 101 733 V1.7.4:2008 en  
Electronic signatures and infrastructures (ESI) – CMS advanced electronic signatures (CAeS)  
Elektronički potpisi i infrastrukture (ESI) – CMS usavršeni elektronički potpisi (CAeS)

- ETSI/TS 101 861 V1.3.1:2006 en  
Time stamping profile  
Profil otiska vremena
- ETSI/TS 101 862 V1.3.3:2006 en  
Qualified certificate profile  
Profil kvalificiranog certifikata
- ETSI/TS 101 903 V1.4.1:2009 en  
XML advanced electronic signatures (XAdES)  
XML usavršeni elektronički potpisi (XAdES)
- ETSI/TS 102 023 V1.2.2:2008 en  
Electronic signatures and infrastructures (ESI) – Policy requirements for time-stamping authorities  
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi za osobe ovlaštene za otiskivanje vremena
- ETSI/TS 102 778 V1.1.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – CMS profile based on ISO 32000-1  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – CMS profil na osnovu ISO 32000-1
- ETSI/TS 102 778-1 V1.1.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – Part 1: PAdES overview – A framework document for PAdES  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – 1. dio: PAdES pregled – Okvirni dokument za PAdES
- ETSI/TS 102 778-2 V1.2.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – Part 2: PAdES basic – Profile based on ISO 32000-1  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – 2. dio: Osnovni PAdES – Profil na osnovu ISO 32000-1
- ETSI/TS 102 778-3 V1.1.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – Part 3: PAdES enhanced – PAdES-BES and PAdES-EPES profiles  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – 3. dio: Pobojšani PAdES – Profili PAdES-BES i PAdES-EPES
- ETSI/TS 102 778-4 V1.1.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – Part 4: PAdES long term – PAdES-LTV profile  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – 4. dio: Dugotrajni PAdES – Profil PAdES-LTV
- ETSI/TS 102 778-5 V1.1.1:2009 en  
Electronic signatures and infrastructures (ESI) – PDF advanced electronic signature profiles – Part 5: PAdES for XML content – Profiles for XAdES signatures  
Elektronički potpisi i infrastrukture (ESI) – Profili PDF usavršenog elektroničkog potpisa – 5. dio: PAdES za XML sadržaj – Profili za potpise XAdES
- EN 300 065-1 V1.2.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Part 1: Technical characteristics and methods of measurement  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uskopojasna telegrafska oprema s izravnim ispisom za prijam meteoroloških ili navigacijskih obavijesti (NAVTEX) – 1. dio: Tehničke karakteristike i metode mjerenja
- EN 300 175-4 V2.2.2:2009 en  
Digital enhanced cordless telecommunications (DECT) – Common interface (CI) – Part 4: Data link control (DLC) layer  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 4. dio: Sloj linka za kontrolu podataka (DLC)
- EN 300 175-8 V2.2.1:2009 en  
Digital enhanced cordless telecommunications (DECT) – Common Interface (CI) – Part 8: Speech and audio coding and transmission  
Digitalne poboljšane bežične telekomunikacije (DECT) – Zajedničko sučelje (CI) – 8. dio: Kodiranje i prijenos govora i zvuka

- EN 300 296-1 V1.2.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Land mobile service – Radio equipment using integral antennas intended primarily for analogue speech – Part 1: Technical characteristics and methods of measurement  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s integralnim antenama namijenjena ponajprije za analogni govor – 1. dio: Tehničke karakteristike i metode mjerenja
- EN 300 296-2 V1.2.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Land mobile service – Radio equipment using integral antennas intended primarily for analogue speech – Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Kopnena pokretna služba – Radijska oprema s integralnim antenama namijenjena ponajprije za analogni govor – 2. dio: Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 300 392-1 V1.4.1:2009 en  
Terrestrial trunked radio (TETRA) – Voice plus data (V+D) – Part 1: General network design  
Terestrijalni trunking radio (TETRA) – Glas plus podatci (V+D) – 1. dio: Temeljna koncepcija mreže
- EN 300 440-1 V1.5.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices – Radio equipment to be used in the 1 GHz to 40 GHz frequency range – Part 1: Technical characteristics and test methods  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za uporabu u frekencijskom području 1 GHz do 40 GHz – 1. dio: Tehničke karakteristike i metode ispitivanja
- EN 300 440-2 V1.3.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices – Radio equipment to be used in the 1 GHz to 40 GHz frequency range – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za uporabu u frekencijskom području 1 GHz do 40 GHz – 2. dio: Usklađena europska norma, EN, obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 300 468 V1.9.1:2009 en  
Digital video broadcasting (DVB) – Specification for service information (SI) in DVB systems  
Radiodifuzija digitalnog videosignala (DVB) – Specifikacija za informacijsku uslugu (SI) u sustavima DVB
- EN 300 744 V1.6.1:2009 en  
Digital video broadcasting (DVB) – Framing structure, channel coding and modulation for digital terrestrial television  
Radiodifuzija digitalnog videosignala (DVB) – Struktura vremenskog odabira, kodiranje kanala i modulacija za digitalnu terestrijalnu televiziju
- EN 301 357-2 V1.4.1:2008 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Cordless audio devices in the range 25 MHz to 2000 MHz – Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Bežični audiouređaji u području 25 MHz do 2000 MHz – 2. dio: Usklađena europska norma, EN, obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 301 489-29 V1.1.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Electromagnetic compatibility (EMC) standard for radio equipment and services – Part 29: Specific conditions for medical data service devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i službe – 29. dio: Posebni uvjeti za uređaje medicinske podatkovne usluge (MEDS) u frekencijskim pojasevima 401 MHz do 402 MHz i 405 MHz do 406 MHz
- EN 301 489-33 V1.1.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Electromagnetic compatibility (EMC) standard for radio equipment and services – Part 33: Specific conditions for ultra wide band (UWB) communications devices  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i službe – 33. dio: Posebni uvjeti za komunikacijske uređaje ultra širokog pojasa (UWB)
- EN 301 893 V1.5.1:2008 en  
Broadband radio access networks (BRAN) – 5 GHz high performance RLAN – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive  
Širokopolasna pristupna radio mreža (BRAN) – RLAN 5 GHz visokovrijednih zahtjeva – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 217-2-2 V1.3.1:2009 en  
Fixed radio systems – Characteristics and requirements for point-to-point equipment and antennas – Part 2-2: Digital systems operating in frequency bands where frequency co-ordination is applied – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu i antene u sustavu točka-točka – Dio 2-2: Digitalni sustavi u frekencijskim pojasevima s obveznom koordinacijom frekvencija – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 217-4-1 V1.3.1:2009 en  
Fixed radio systems – Characteristics and requirements for point-to-point equipment and antennas – Part 4-1: System-dependent requirements for antennas  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu i antene u sustavu točka-točka – Dio 4-1: Zahtjevi za odgovarajuće antene
- EN 302 217-4-2 V1.4.1:2009 en  
Fixed radio systems – Characteristics and requirements for point-to-point equipment and antennas – Part 4-2: Antennas – Harmonized EN covering the essential requirements of article 3.2 of R&TTE directive  
Nepokretni radijski sustavi – Karakteristike i zahtjevi za opremu i antene u sustavu točka-točka – Dio 4-2: Antene – Usklađena europska norma EN obuhvaća bitne zahtjeve iz članka 3.2 R&TTE direktive
- EN 302 288-1 V1.4.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices – Road transport and traffic telematics (RTTT) – Short range radar equipment operating in the 24 GHz range – Part 1: Technical requirements and methods of measurement – Elektromagnetska kompatibilnost i radijski spektar (ERM) Uređaji kratkoga dometa – Telematika cestovnog prijevoza i prometa (RTTT) – Oprema kratkodometnog radara u području 24 GHz – 1. dio: Tehnički zahtjevi i metode mjerenja
- EN 302 288-2 V1.3.2:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices – Road transport and traffic telematics (RTTT) – Short range radar equipment operating in the 24 GHz range – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa – Telematika cestovnog prijevoza i prometa (RTTT) – Oprema kratkodometnog radara u području 24 GHz – 2. dio: Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 544-1 V1.1.1:2009 en  
Broadband data transmission systems operating in the 2500 MHz to 2690 MHz frequency band – Part 1: TDD base stations – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive  
Širokopolasni sustavi prijenosa podataka u frekencijskom pojasu 2500 MHz do 2690 MHz – 1. dio: Bazne postaje TDD – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 544-2 V1.1.1:2009 en  
Broadband data transmission systems operating in the 2500 MHz to 2690 MHz frequency band – Part 2: TDD user equipment stations – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive  
Širokopolasni sustavi prijenosa podataka u frekencijskom pojasu 2500 MHz do 2690 MHz – 2. dio: Oprema korisničkih postaja TDD – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive

- EN 302 567 V1.1.1:2009 en  
Broadband radio access networks (BRAN) – 60 GHz multiple-gigabit WAS/RLAN systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive Radiodifuzija digitalnog videesignala (BRAN) – Višebitni WAS/RLAN sustavi na 60 GHz – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 608 V1.1.1:2008 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices (SRD) – Radio equipment for Eurobalise railway systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za Eurobalise sustave na željeznici – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 609 V1.1.1:2008 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Short range devices (SRD) – Radio equipment for Euroloop railway systems – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema za Euroloop sustave na željeznici – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 617-1 V1.1.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Ground-based UHF radio transmitters, receivers and transceivers for the UHF aeronautical mobile service using amplitude modulation – Part 1: Technical characteristics and methods of measurement  
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Na tlu bazirani UHF radijski odašiljači, prijamnici, primoodašiljači s amplitudnom modulacijom za UHF zrakoplovnu pokretnu službu – 1. dio: Tehničke karakteristike i metode mjerenja
- EN 302 623 V1.1.1:2009 en  
Broadband wireless access systems (BWA) in the 3400 MHz to 3800 MHz frequency band – Mobile terminal stations – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive Širokopolasni sustavi bežičnoga pristupa (BWA) u frekvencijskom pojasu 3800 MHz – Pokretne terminalne postaje – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive
- EN 302 752 V1.1.1:2009 en  
Electromagnetic compatibility and radio spectrum matters (ERM) – Active radar target enhancers – Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive Elektromagnetska kompatibilnost i radijski spektar (ERM) – Aktivna pojačala radarskog odziva – Usklađena europska norma EN obuhvaća bitne zahtjeve članka 3.2 R&TTE direktive

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

- EN 746-1:1997+A1:2009 en  
Industrial thermoprocessing equipment – Part 1: Common safety requirements for industrial thermoprocessing equipment
- EN 746-3:1997+A1:2009 en  
Industrial thermoprocessing equipment – Part 3: Safety requirements for the generation and use of atmosphere gases
- EN 1012-2:1996+A1:2009 en  
Compressors and vacuum pumps – Safety requirements – Part 2: Vacuum pumps
- EN 1547:2001+A1:2009 en  
Industrial thermoprocessing equipment – Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment
- EN 12111:2002+A1:2009 en  
Tunnelling machines – Road headers, continuous miners and impact rippers – Safety requirements
- EN 12162:2001+A1:2009 en  
Liquid pumps – Safety requirements – Procedure for hydrostatic testing
- EN 12348:2000+A1:2009 en  
Core drilling machines on stand – Safety

- EN 12418:2000+A1:2009 en  
Masonry and stone cutting-off machines for job site – Safety
- EN 13042-2:2004+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 2: Handling machines for feeding
- EN 13042-3:2007+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 3: IS machines
- EN 13042-5:2003+A1:2009 en  
Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 5: Presses
- EN 13941:2009 en  
Design and installation of preinsulated bonded pipe systems for district heating

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

- EN 623-5:2009 en  
Advanced technical ceramics – Monolithic ceramics – General and textural properties – Part 5: Determination of phase volume fraction by evaluation of micrographs
- EN 820-4:2009 en  
Advanced technical ceramics – Thermomechanical properties of monolithic ceramics – Part 4: Determination of flexural creep deformation at elevated temperatures
- EN 820-5:2009 en  
Advanced technical ceramics – Thermomechanical properties of monolithic ceramics – Part 5: Determination of elastic moduli at elevated temperatures
- EN 843-6:2009 en  
Advanced technical ceramics – Mechanical properties of monolithic ceramics at room temperature – Part 6: Guidance for fractographic investigation
- EN 1006:2009 en  
Advanced technical ceramics – Monolithic ceramics – Guidance on the selection of test pieces for the evaluation of properties
- EN 1071-9:2009 en  
Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain
- EN 1071-10:2009 en  
Advanced technical ceramics – Methods of test for ceramic coatings – Part 10: Determination of coating thickness by cross sectioning
- CEN/TS 15866:2009 en  
Advanced technical ceramics – Ceramic composites – Determination of the thermal diffusivity of ceramic fibres
- CEN/TS 15867:2009 en  
Advanced technical ceramics – Ceramic composites – Guide to the determination of the degree of misalignment in uniaxial mechanical tests
- CEN/TS 15880:2009 en  
Advanced technical ceramics – Ceramic composites – Determination of the fibre/matrix interfacial frictional shear stress at room temperature by a single fibre push-out method
- CEN/TS 15881:2009 en  
Advanced technical ceramics – Ceramic composites – Determination of the fibre/matrix interfacial frictional shear stress at room temperature by tensile tests on mini-composites

## 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, napatuk) upućuje na norme koje su povučene, one se primjenjuju silom tih propisa i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u Normoteci HZN-a.

### HZN/TO 21/PO 5, *Protupožarna i vatrogasna oprema; Vatrogasna oprema*

- HRN EN 1846-2:2005 en  
Vozila za gašenje požara i spašavanje – 2. dio: Opći zahtjevi – Sigurnost i svojstva (EN 1846-2:2001+A1:2004)  
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance (EN 1846-2:2001+A1:2004)  
- zamijenjena s: HRN EN 1846-2:2009
- HRN EN 1846-2:2005/A2:2008 en  
Vozila za gašenje požara i spašavanje – 2. dio: Opći zahtjevi – Sigurnost i svojstva (EN 1846-2:2001/A2:2006)  
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance (EN 1846-2:2001/A2:2006)  
- zamijenjena s: HRN EN 1846-2:2009
- HRN EN 1846-2:2005/AC:2007 en  
Vatrogasna i spasilačka vozila – 2. dio: Opći zahtjevi – Sigurnost i svojstva (EN 1846-2:2001/AC:2007)  
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance (EN 1846-2:2001/AC:2007)  
- zamijenjena s: HRN EN 1846-2:2009
- HRN EN 1846-2:2005/Ispr.2:2008 en  
Vozila za gašenje požara i spašavanje – 2. dio: Opći zahtjevi – Sigurnost i svojstva (EN 1846-2:2001/A1:2004/AC:2007)  
Firefighting and rescue service vehicles – Part 2: Common requirements – Safety and performance (EN 1846-2:2001/A1:2004/AC:2007)  
- zamijenjena s: HRN EN 1846-2:2009

### HZN/TO 25, *Ljevarstvo*

- HRN EN ISO 945:2002 en  
Željezni ljev – Označavanje mikrostrukture grafita (ISO 945:1975; EN ISO 945:1994)  
Cast iron – Designation of microstructure of graphite (ISO 945:1975; EN ISO 945:1994)  
- zamijenjena s: HRN EN ISO 945-1:2009

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

- HRN DIN 51527-1:1997 de  
Ispitivanje naftnih proizvoda – Određivanje polikloriranih bifenila (PCB) – Određivanje tekućinskom kromatografijom (DIN 51527-1:1987)  
Testing of petroleum products – Determination of polychlorinated biphenyls (PCB) – Preseparation by liquid chromatography and determination of six selected PCB compounds by gas chromatography using an electron capture detector (DIN 51527-1:1987)  
- bez zamjene

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

- HRN EN ISO 2431/AC:2005 en  
Boje i lakovi – Određivanje vremena istjecanja pomoću posuda za istjecanje (ISO 2431:1993, uključujući Tehnički ispravak 1:1994; EN ISO 2431:1996/AC:1999)  
Paints and varnishes – Determination of flow time by use of flow cups (ISO 2431:1993, including Technical Corrigendum 1:1994; EN ISO 2431:1996/AC:1999)  
- bez zamjene

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

- HRN EN 255-1:2004 en  
Klimatizacijski uređaji, uređaji za hlađenje kapljevina i dizalice topline s kompresorima na električni pogon – Režim grijanja – 1. dio: Nazivlje, definicije i oznake (EN 255-1:1997)

Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors – Heating mode – Part 1: Terms, definitions and designations (EN 255-1:1997)  
- zamijenjena s: HRN EN 14511-1:2008

- HRN EN 255-2:2004 en  
Klimatizacijski uređaji, uređaji za hlađenje kapljevina i dizalice topline s kompresorima na električni pogon – Režim grijanja – 2. dio: Ispitivanje i zahtjevi za označavanje uređaja za grijanje prostora (EN 255-2:1997)  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors – Heating mode – Part 2: Testing and requirements for marking for space heating units (EN 255-2:1997)  
- zamijenjena s: HRN EN 14511-2:2008

- HRN EN 255-4:2004 en  
Klimatizacijski uređaji, uređaji za hlađenje kapljevina i dizalice topline s kompresorima na električni pogon – Režim grijanja – 4. dio: Zahtjevi za uređaje za grijanje prostora i sanitarne tople vode (EN 255-4:1997)  
Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors – Heating mode – Part 4: Requirements for space heating and sanitary hot water units (EN 255-4:1997)  
- zamijenjena s: HRN EN 14511-4:2008

- HRN EN 441-1:2004 en  
Rashladne vitrine – 1. dio: Nazivi i definicije (EN 441-1:1994+A1:1995)  
Refrigerated display cabinets – Part 1: Terms and definitions (EN 441-1:1994+A1:1995)  
- zamijenjena s: HRN EN ISO 23953-1:2008

- HRN EN 441-2:2004 en  
Rashladne vitrine – 2. dio: Opći mehanički i fizikalni zahtjevi (EN 441-2:1994)  
Refrigerated display cabinets – Part 2: General mechanical and physical requirements (EN 441-2:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-3:2004 en  
Rashladne vitrine – 3. dio: Dužinske mjere, površine i obujmi (EN 441-3:1994)  
Refrigerated display cabinets – Part 3: Linear dimensions, areas and volumes (EN 441-3:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-4:2004 en  
Rashladne vitrine – 4. dio: Opći uvjeti ispitivanja (EN 441-4:1994)  
Refrigerated display cabinets – Part 4: General test conditions (EN 441-4:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-5:2004 en  
Rashladne vitrine – 5. dio: Ispitivanje temperature (EN 441-5:1996)  
Refrigerated display cabinets – Part 5: Temperature test (EN 441-5:1996)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-6:2004 en  
Rashladne vitrine – 6. dio: Podjela s obzirom na temperaturu (EN 441-6:1994)  
Refrigerated display cabinets – Part 6: Classification according to temperature (EN 441-6:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-7:2004 en  
Rashladne vitrine – 7. dio: Ispitivanje odmrzavanja (EN 441-7:1994)  
Refrigerated display cabinets – Part 7: Defrosting test (EN 441-7:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-8:2004 en  
Rashladne vitrine – 8. dio: Ispitivanje kondenzacije vodene pare (EN 441-8:1994)  
Refrigerated display cabinets – Part 8: Water vapour condensation test (EN 441-8:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008

- HRN EN 441-9:2004 en  
Rashladne vitrine – 9. dio: Ispitivanje potrošnje električne energije (EN 441-9:1994)  
Refrigerated display cabinets – Part 9: Electrical energy consumption test (EN 441-9:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008



- HRN EN 441-10:2004 en  
Rashladne vitrine – 10. dio: Ispitivanje odsutnosti mirisa i okusa (EN 441-10:1994)  
Refrigerated display cabinets – Part 10: Test for absence of odour and taste (EN 441-10:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008
- HRN EN 441-11:2004 en  
Rashladne vitrine – 11. dio: Ugradba, održavanje i priručnik za korisnike (EN 441-11:1994)  
Refrigerated display cabinets – Part 11: Installation, maintenance and user's guide (EN 441-11:1994)  
- zamijenjena s: HRN EN ISO 23953-2:2008
- HRN EN 441-12:2004 en  
Rashladne vitrine – 12. dio: Mjerenje stupnja odvođenja topline vitrine kad je kondenzatorska jedinica udaljena od vitrine (EN 441-12:1997)  
Refrigerated display cabinets – Part 12: Measurement of the heat extraction rate of the cabinets when the condensing unit is remote from the cabinet (EN 441-12:1997)  
- zamijenjena s: HRN EN ISO 23953-2:2008
- HRN EN 814-1:2004 en  
Klimatizacijski uređaji i dizalice topline s kompresorima na električni pogon – Režim hlađenja – 1. dio: Nazivlje, definicije i oznake (EN 814-1:1997)  
Air conditioners and heat pumps with electrically driven compressors – Cooling mode – Part 1: Terms, definitions and designations (EN 814-1:1997)  
- zamijenjena s: HRN EN 14511-1:2008
- HRN EN 814-2:2004 en  
Klimatizacijski uređaji i dizalice topline s kompresorima na električni pogon – Režim hlađenja – 2. dio: Ispitivanje i zahtjevi za označavanje (EN 814-2:1997)  
Air conditioners and heat pumps with electrically driven compressors – Cooling mode – Part 2: Testing and requirements for marking (EN 814-2:1997)  
- zamijenjena s: HRN EN 14511-2:2008
- HRN EN 814-3:2004 en  
Klimatizacijski uređaji i dizalice topline s kompresorima na električni pogon – Režim hlađenja – 3. dio: Zahtjevi (EN 814-3:1997)  
Air conditioners and heat pumps with electrically driven compressors – Cooling mode – Part 3: Requirements (EN 814-3:1997)  
- zamijenjena s: HRN EN 14511-4:2008
- HRN EN ISO 5155:2004 en  
Kućanski rashladni uređaji – Ormari za skladištenje zamrznute hrane – Svojstva i metode ispitivanja (ISO 5155:1995; EN ISO 5155:1995)  
Household refrigerating appliances – Frozen food storage cabinets and food freezers – Characteristics and test methods (ISO 5155:1995; EN ISO 5155:1995)  
- zamijenjena s: HRN EN ISO 15502:2008
- HRN EN ISO 7371:2004 en  
Kućanski rashladni uređaji – Hladnjaci sa ili bez niskotemperaturnog odjeljka – Značajke i ispitne metode (ISO 7371:1995+Amd 1:1997; EN ISO 7371:1995+A1:1997)  
Household refrigerating appliances – Refrigerators with or without low-temperature compartment – Characteristics and test methods (ISO 7371:1995+Amd 1:1997; EN ISO 7371:1995+A1:1997)  
- zamijenjena s: HRN EN ISO 15502:2008
- HRN EN ISO 8561:2004 en  
Kućanski rashladni uređaji s automatskim odleđivanjem – Hladnjaci, hladnjaci-zamrzivači, ormari za skladištenje zamrznute hrane i zamrzivači hrane hlađeni unutarnjim prisilnim optokom zraka – Značajke i ispitne metode (ISO 8561:1995+Amd 1:1997; EN ISO 8561:1995+A1:1997)  
Household frost-free refrigerating appliances – Refrigerators, refrigerator-freezers, frozen food storage cabinets and food freezers cooled by internal forced air circulation – Characteristics and test methods (ISO 8561:1995+Amd 1:1997; EN ISO 8561:1995+A1:1997)  
- zamijenjena s: HRN EN ISO 15502:2008
- HRN EN 28187:2004 en  
Kućanski rashladni uređaji – Hladnjaci-zamrzivači – Značajke i načini ispitivanja (ISO 8187:1991+Amd 1:1997; EN 28187:1991+A1:1997)  
Household refrigerating appliances – Refrigerator-freezers – Characteristics and test methods (ISO 8187:1991+Amd 1:1997; EN 28187:1991+A1:1997)  
- zamijenjena s: HRN EN ISO 15502:2008

## HZN/TO 544, *Strojni elementi*

- HRN EN ISO 898-1:2005 en  
Mehanička svojstva spojnih elemenata izrađenih od ugljičnih i legiranih čelika – 1. dio: Vijci i svorni vijci (ISO 898-1:1999; EN ISO 898-1:1999)  
Mechanical properties of fasteners made of carbon steel and alloy steel – Part 1: Bolts, screws and studs (ISO 898-1:1999; EN ISO 898-1:1999)  
- zamijenjena s: HRN EN ISO 898-1:2009
- HRN EN ISO 8752:2005 en  
Naponski zatici – Prerezani, teški radni uvjeti (ISO 8752:1997; EN ISO 8752:1997)  
Spring-type straight pins – Slotted, heavy duty (ISO 8752:1997; EN ISO 8752:1997)  
- zamijenjena s: HRN EN ISO 8752:2009
- HRN EN ISO 10644:2005 en  
Komplet vijaka i podložne pločice s ravnom podložnom pločicom – Tvrdća podložne pločice 200 HV i 300 HV (ISO 10644:1998; EN ISO 10644:1998)  
Screw and washer assemblies with plain washers – Washer hardness classes 200 HV and 300 HV (ISO 10644:1998; EN ISO 10644:1998)  
- zamijenjena s: HRN EN ISO 10644:2009
- HRN EN ISO 10673:2005 en  
Ravne podložne pločice za komplete vijaka i podložnih pločica – Male, normalne i velike – Proizvod kvalitete izrade A (ISO 10673:1998; EN ISO 10673:1998)  
Plain washers for screw and washer assemblies – Small, normal and large series – Product grade A (ISO 10673:1998; EN ISO 10673:1998)  
- zamijenjena s: HRN EN ISO 10673:2009
- HRN EN ISO 13337:2005 en  
Naponski zatici – Prerezani, laki radni uvjeti (ISO 13337:1997; EN ISO 13337:1997)  
Spring-type straight pins – Slotted, light duty (ISO 13337:1997; EN ISO 13337:1997)  
- zamijenjena s: HRN EN ISO 13337:2009

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

- HRN EN 849:2001 en  
Prenosive plinske boce – Ventili za boce – Specifikacija i tipsko ispitivanje (EN 849:1996+A1:1999)  
Transportable gas cylinders – Cylinder valves – Specification and type testing (EN 849:1996+A1:1999)  
- zamijenjena s: HRN EN ISO 10297:2008
- HRN EN 850:2002 en  
Prenosive plinske boce – Pin-indeksni izlazni priključci sa stremenom za medicinske svrhe (EN 850:1996)  
Transportable gas cylinders – Pin-index, yoke-type valve outlet connections for medical use (EN 850:1996)  
- zamijenjena s: HRN EN ISO 407:2006
- HRN EN 1089-1:2001 en  
Prenosive plinske boce – Označavanje plinskih boca (osim TNP) – 1. dio: Označavanje žigovima (EN 1089-1:1996)  
Transportable gas cylinders – Gas cylinder identification (excluding LPG) – Part 1: Stampmarking (EN 1089-1:1996)  
- zamijenjena s: HRN EN ISO 13769:2009
- HRN EN 1089-2:2001 en  
Prenosive plinske boce – Označavanje plinskih boca (osim TNP) – 2. dio: Natpisi upozorenja (EN 1089-2:1996)  
Transportable gas cylinders – Cylinder identification (excluding LPG) – Part 2: Precautionary labels (EN 1089-2:1996)  
- zamijenjena s: HRN EN ISO 7225:2008
- HRN EN 1795:2001 en  
Prenosive plinske boce (osim TNP) – Postupci kod promjene namjene boca (EN 1795:1997)  
Transportable gas cylinders (excluding LPG) – Procedures for change of gas service (EN 1795:1997)  
- zamijenjena s: HRN EN ISO 11621:2008

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

HRN EN 1870-17:2008 en  
Sigurnost strojeva za obradu drveta – Kružne pile – 17. dio: Ručne horizontalne kružne pile s jednim listom (ručni radijalni nosač pile) (EN 1870-17:2007)  
Safety of woodworking machines – Circular sawing machines – Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (manual radial arm saws) (EN 1870-17:2007)  
- zamijenjena s: HRN EN 1870-17:2009

## HZN/TO E31, *Eksplzivne atmosfere*

HRN EN 50281-1-1:2000 en  
Električni uređaji za uporabu u prostorima sa zapaljivom prašinom – Dio 1-1: Električni uređaji zaštićeni kućištem – Konstrukcija i ispitivanje (EN 50281-1-1:1998+Corr.1:1999)  
Electrical apparatus for use in the presence of combustible dust – Part 1-1: Electrical apparatus protected by enclosures – Construction and testing (EN 50281-1-1:1998+Corr.1:1999)  
- zamijenjena s: HRN EN 61241-0:2007

HRN EN 50281-1-1/A1:2003 en  
Električni uređaji za uporabu u prostorima sa zapaljivom prašinom – Dio 1-1: Električni uređaji zaštićeni kućištem – Konstrukcija i ispitivanje (EN 50281-1-1:1998/A1:2002)  
Electrical apparatus for use in the presence of combustible dust – Part 1-1: Electrical apparatus protected by enclosures – Construction and testing (EN 50281-1-1:1998/A1:2002)  
- zamijenjena s: HRN EN 61241-0:2007

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

HRN EN 60825-4:1999 en  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:1997; EN 60825-4:1997)  
Safety of laser products – Part 4: Laser guards (IEC 60825-4:1997; EN 60825-4:1997)  
- zamijenjena s HRN EN 60825-4:2008

HRN EN 60825-4:1999/A1:2008 en  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:1997/am1:2002; EN 60825-4:1997/A1:2002)  
Safety of laser products – Part 4: Laser guards (IEC 60825-4:1997/am1:2002; EN 60825-4:1997/A1:2002)  
- zamijenjena s HRN EN 60825-4:2008

HRN EN 60825-4:1999/A2:2008 en  
Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:1997/am2:2003; EN 60825-4:1997/A2:2003)  
Safety of laser products – Part 4: Laser guards (IEC 60825-4:1997/am2:2003; EN 60825-4:1997/A2:2003)  
- zamijenjena s HRN EN 60825-4:2008

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

HRN EN 50116:2005 en  
Oprema informacijske tehnologije – Uobičajeni postupci ispitivanja električne sigurnosti u proizvodnji (EN 50116:1996)  
Information technology equipment – Routine electrical safety testing in production (EN 50116:1996)  
- zamijenjena s: HRN EN 50116:2007

HRN EN 60491:2000 en  
Sigurnosni zahtjevi za elektroničke fotobljeskalice (IEC 60491:1984, preinačena; EN 60491:1995)  
Safety requirements for electronic flash apparatus for photographic purposes (IEC 60491:1984, modified; EN 60491:1995)  
- zamijenjena s: HRN 60065:2005/A1:2007 (dodatak L)

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

HRN EN 61000-4-5:1997 en  
Elektromagnetska kompatibilnost – 4. dio: Ispitna i mjerna tehnika – 5. odjeljak: Ispitivanja otpornosti na prenapon (IEC 61000-4-5:1995; EN 61000-4-5:1995)  
Electromagnetic compatibility – Part 4: Testing and measurement techniques – Section 5: Surge immunity tests (IEC 61000-4-5:1995; EN 61000-4-5:1995)  
- zamijenjena s: HRN EN 61000-4-5:2008

HRN EN 61000-4-5:1997/A1:2001 en  
Elektromagnetska kompatibilnost (EMC) – Dio 4-5: Ispitne i mjerne tehnike – Ispitivanje otpornosti na smetnje od udarnih napona (IEC 61000-4-5:1995/A1:2000; EN 61000-4-5:1995/A1:2001)  
Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test (IEC 61000-4-5:1995/A1:2000; EN 61000-4-5:1995/A1:2001)  
- zamijenjena s: HRN EN 61000-4-5:2008

## 1.5 Povučeni nacrti hrvatskih norma

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

nHRN ENV 12837 hr pp  
Boje i lakovi – Kvalifikacija inspektora zaštite od korozije čeličnih konstrukcija zaštitnim sustavima boja (ENV 12837:2000)  
Paints and varnishes – Qualification of inspectors for corrosion protection of steel structures by protective paint systems (ENV 12837:2000)

### HZN/TO 91, *Površinski aktivne tvari*

nHRN ISO/TR 896 hr pp  
Površinski aktivne tvari – Znanstveno razvrstavanje (ISO/TR 896:1977)  
Surface active agents – Scientific classification (ISO/TR 896:1977)  
nHRN ISO 2131 hr pp  
Površinski aktivne tvari – Pojednostavljeno razvrstavanje (ISO 2131:1972)  
Surface active agents – Simplified classification (ISO 2131:1972)

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

nHRN EN 10079 hr pp  
Definicije čeličnih proizvoda (EN 10079:1992)  
Definition of steel products (EN 10079:1992)

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

nHRN ISO 14532 hr,en,fr,de pp  
Prirodni plin – Rječnik (ISO 14532:2001)  
Natural gas – Vocabulary (ISO 14532:2001)

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

nHRN ISO 2532 hr pp  
Čelična užad – Rječnik (ISO 2532:1974)  
Steel wire ropes – Vocabulary (ISO 2532:1974)

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

nHRN EN 764 hr pp  
Tlačna oprema – Nazivi i simboli – Tlak, temperatura, volumen (EN 764:1994)  
Pressure equipment – Terminology and symbols – Pressure, temperature, volume (EN 764:1994)

### HZN/TO E1, *Nazivlje u području elektrotehnike*

nHRN IEC 60050-351 hr pp  
Međunarodni elektrotehnički rječnik – 351. poglavlje: Automatsko upravljanje (IEC 60050-351:1975)  
International Electrotechnical Vocabulary – Chapter 351: Automatic control (IEC 60050-351:1975)

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

nHRN EN 60521 hr pp  
Izmjenična električna brojila djelatne energije razreda 0,5, 1 i 2 (IEC 60521:1988; EN 60521:1995)  
Class 0.5, 1 and 2 alternating-current watt-hour meters (IEC 60521:1988; EN 60521:1995)

- nHRN EN 60687 hr pp  
Izmjenična statička električna brojila djelatne energije (razreda 0,2 S i 0,5 S) (IEC 60687:1992; EN 60687:1992)  
Alternating current static watt-hour meters for active energy (classes 0,2 S and 0,5 S) (IEC 60687:1992; EN 60687:1992)
- nHRN EN 61036 hr pp  
Izmjenična statička brojila djelatne energije (1. i 2. razreda) (IEC 61036:1996; EN 61036:1996)  
Alternating current static watt-hour meters for active energy (classes 1 and 2) (IEC 61036:1996; EN 61036:1996)
- nHRN EN 61037 hr pp  
Elektronički tonfrekventni prijammci za upravljanje tarifom i potrošnjom (IEC 61037:1990+A1:1996+A2:1998; EN 61037:1992+A1:1996+A2:1998)  
Electronic ripple control receivers for tariff and load control (IEC 61037:1990+A1:1996+A2:1998; EN 61037:1992+A1:1996+A2:1998)
- nHRN EN 61038 hr pp  
Sklopni satovi za upravljanje tarifom i potrošnjom (IEC 61038:1990+A1:1996+A2:1998; EN 61038:1992+A1:1996+A2:1998)  
Time switches for tariff and load control (IEC 61038:1990+A1:1996+A2:1998; EN 61038:1992+A1:1996+A2:1998)
- nHRN EN 61268 hr pp  
Izmjenična statička električna brojila jalove energije (razreda 2 i 3) (IEC 61268:1995; EN 61268:1996)  
Alternating current static watt-hour meters for reactive energy (classes 2 and 3) (IEC 61268:1995; EN 61268:1996)

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

- nHRN EN 50014 hr pp  
Električni uređaji za potencijalno eksplozivne atmosfere – Opći zahtjevi (EN 50014:1997)  
Electrical apparatus for potentially explosive atmospheres – General requirements (EN 50014:1997)

### HZN/TO E65, *Mjerenje i upravljanje industrijskim procesima*

- nHRN IEC 60584-1 hr pp  
Termoparovi – 1. dio: Referencijske tablice (IEC 60584-1:1995)  
Thermocouples – Part 1: Reference tables (IEC 60584-1:1995)

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

- nHRN EN 55020 hr pp  
Zvučni i televizijski radiodifuzijski prijammci i pridružena oprema – Značajke otpornosti – Granice i mjerne metode (CISPR 20:2002+am1:2002; EN 55020:2002+A1:2003)  
Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement (CISPR 20:2002+A1:2002; EN 55020:2002+A1:2003)
- nHRN EN 61000-2-4 hr pp  
Elektromagnetska kompatibilnost (EMK) – 2. dio: Okoliš – 4. odjeljak: Razine kompatibilnosti niskofrekvencijskih vodljivih smetnja u industrijskim postrojenjima (IEC 61000-2-4:1994+Corr.:1994; EN 61000-2-4:1994)  
Electromagnetic compatibility (EMC) – Part 2: Environment – Section 4: Compatibility levels in industrial plants for low-frequency conducted disturbances (IEC 61000-2-4:1994+Corr.:1994; EN 61000-2-4:1994)
- nHRN EN 61000-4-4 hr pp  
Elektromagnetska kompatibilnost – 4. dio: Ispitne i mjerne tehnike – 4. odjeljak: Ispitivanje otpornosti prema brzim tranzijentima i rafalima. Osnovna norma za elektromagnetsku kompatibilnost (IEC 61000-4-4:1995; EN 61000-4-4:1995)  
Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 4: Electrical fast transient/burst immunity test. Basic EMC publication (IEC 61000-4-4:1995; EN 61000-4-4:1995)
- nHRN EN 61000-4-5 hr pp  
Elektromagnetska kompatibilnost (EMK) – 4. dio: Ispitne i mjerne tehnike – 5. odjeljak: Ispitivanje otpornosti na smetnje od udarnih napona (IEC 61000-4-5:1995+Corr.:1995; EN 61000-4-5:1995)  
Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 5: Surge immunity test (IEC 61000-4-5:1995+Corr.:1995; EN 61000-4-5:1995)

## 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 28, *Naftni proizvodi i maziva*

#### • umjesto

- HRN EN ISO 4267-2:2005  
Nafta i tekući naftni proizvodi – Izračunavanje količina – 2. dio: Dinamičko mjerenje (ISO 4267-2:1988; EN ISO 4267-2:1995)  
Petroleum and liquid petroleum products – Calculation of oil quantities – Part 2: Dynamic measurement (ISO 4267-2:1988; EN ISO 4267-2:1995)

#### • treba biti

- HRN EN ISO 4267-2:2005  
Nafta i tekući naftni proizvodi – Izračunavanje količine ulja – 2. dio: Dinamičko mjerenje (ISO 4267-2:1988; EN ISO 4267-2:1995)  
Petroleum and liquid petroleum products – Calculation of oil quantities – Part 2: Dynamic measurement (ISO 4267-2:1988; EN ISO 4267-2:1995)

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

#### • umjesto

- HRN EN 13598-2:2009  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for manholes and inspection chambers in traffic areas and deep underground installations  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Plastični sustavi strukturirane stijenske od neomekšanog poli(vinil-klorida) (PVC-U), polipropilena (PP) i polietilena (PE) – 2. dio: Specifikacije za kontrolna okna i kontrolne komore u području prometnica i duboko ukopane instalacije

#### • treba biti

- HRN EN 13598-2:2009  
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for manholes and inspection chambers in traffic areas and deep underground installations  
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 2. dio: Specifikacije za kontrolna okna i kontrolne komore u području prometnica i duboko ukopane instalacije

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

#### • umjesto

- HRN EN 10269:2002/A1:2008  
Čelici i legure nikla za dijelove za pričvršćivanje s utvrđenim svojstvima pri povišenim i/ili niskim temperaturama (EN 10269:1999/A1:2006+AC:2006)  
Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties (EN 10269:1999/A1:2006+AC:2006)

#### • treba biti

- HRN EN 10269:2002/A1:2008  
Čelici i legure nikla za dijelove za pričvršćivanje s utvrđenim svojstvima pri povišenim i/ili niskim temperaturama (EN 10269:1999/A1:2006)  
Steels and nickel alloys for fasteners with specified elevated and/or low temperature properties (EN 10269:1999/A1:2006)

#### • umjesto

- HRN EN 10083-1:2009  
Poboljšani čelici – 1. dio: Opći tehnički uvjeti za isporuku (EN 10083-1:2006)  
Steels for quenching and tempering – Part 1: General technical delivery conditions (EN 10083-1:2006)

- **treba biti**

HRN EN 10083-1:2009

Čelici za poboljšavanje – 1. dio: Opći tehnički uvjeti za isporuku (EN 10083-1:2006)

Steels for quenching and tempering – Part 1: General technical delivery conditions (EN 10083-1:2006)

- **umjesto**

HRN EN 10083-2:2009

Poboljšani čelici – 2. dio: Tehnički uvjeti isporuke nelegiranih čelika (EN 10083-2:2006)

Steels for quenching and tempering – Part 2: Technical delivery conditions for non alloy steels (EN 10083-2:2006)

- **treba biti**

HRN EN 10083-2:2009

Čelici za poboljšavanje – 2. dio: Tehnički uvjeti isporuke nelegiranih čelika (EN 10083-2:2006)

Steels for quenching and tempering – Part 2: Technical delivery conditions for non alloy steels (EN 10083-2:2006)

- **umjesto**

HRN EN 10083-3:2009

Poboljšani čelici – 3. dio: Tehnički uvjeti isporuke legiranih čelika (EN 10083-3:2006+AC:2008)

Steels for quenching and tempering – Part 3: Technical delivery conditions for alloy steels (EN 10083-3:2006+AC:2008)

- **treba biti**

HRN EN 10083-3:2009

Čelici za poboljšavanje – 3. dio: Tehnički uvjeti isporuke legiranih čelika (EN 10083-3:2006+AC:2008)

Steels for quenching and tempering – Part 3: Technical delivery conditions for alloy steels (EN 10083-3:2006+AC:2008)

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

- **umjesto**

HRN EN 14531-1:2008

Oprema za željeznice – Metode proračuna zaustavnih puteva, razmaka usporavanja i imobilizacije kočenja – 1. dio: Osnovni algoritmi (EN 14531-1:2005)

Railway applications – Methods for calculation of stopping distances, slowing distances and immobilization braking – Part 1: General algorithms (EN 14531-1:2005)

- **treba biti**

HRN EN 14531-1:2008

Oprema za željeznice – Metode proračuna zaustavnih puteva, razmaka usporavanja i pritvrdnog kočenja – 1. dio: Osnovni algoritmi (EN 14531-1:2005)

Railway applications – Methods for calculation of stopping distances, slowing distances and immobilization braking – Part 1: General algorithms (EN 14531-1:2005)

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

- **umjesto**

HRN EN ISO 3146:2008

Plastika – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2000; EN ISO 3146:2000+AC:2003)

Plastika – Određivanje ponašanja pri taljenju (tališta ili područja taljenja) polukristalastih polimera metodama kapilarne cijevi i polarizacijskog mikroskopa (ISO 3146:2000; EN ISO 3146:2000+AC:2003)

- **treba biti**

HRN EN ISO 3146:2008

Plastika – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2000+Cor 1:2002; EN ISO 3146:2000+AC:2003)

Plastika – Određivanje ponašanja pri taljenju (tališta ili područja taljenja) polukristalastih polimera metodama kapilarne cijevi i polarizacijskog mikroskopa (ISO 3146:2000+Cor 1:2002; EN ISO 3146:2000+AC:2003)

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

- **umjesto**

HRN EN 1665:2005

Vijci sa šesterokutnom prirubnom glavom – Velika glava

(EN 1665:1997+AC:1998)

Hexagon bolts with flange – Heavy series

(EN 1665:1997+AC:1998)

- **treba biti**

HRN EN 1665:2005

Vijci sa šesterokutnom prirubnom glavom – Velika glava

(EN 1665:1997)

Hexagon bolts with flange – Heavy series (EN 1665:1997)

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

- **umjesto**

HRN EN 14891:2008

Vodonepropusni proizvodi u tekućem obliku za primjenu ispod keramičkih pločica povezanih ljepilom – Zahtjevi, ispitne metode, vrednovanje sukladnosti, razredba i označavanje (EN 14891:2007+AC:2008)

Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives – Requirements, test methods, evaluation of conformity, classification and designation (EN 14891:2007+AC:2008)

- **treba biti**

HRN EN 14891:2008

Vodonepropusni proizvodi u tekućem obliku za primjenu ispod keramičkih pločica povezanih ljepilom – Zahtjevi, ispitne metode, vrednovanje sukladnosti, razredba i označavanje (EN 14891:2007)

Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives – Requirements, test methods, evaluation of conformity, classification and designation (EN 14891:2007)

## **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 531, Plastika i guma**

HRN EN 59:2008

Plastika ojačana staklom – Mjerenje tvrdoće Barcolovim tvrdomjerom (EN 59:1977)

Glass reinforced plastics – Measurement of hardness by means of a Barcol impressor (EN 59:1977)

HRN EN ISO 527-1:2008

Plastika – Određivanje rasteznih svojstava – 1. dio: Opća načela (ISO 527-1:1993+Cor 1:1994; EN ISO 527-1:1996)

Plastics – Determination of tensile properties – Part 1: General principles (ISO 527-1:1993+Cor 1:1994; EN ISO 527-1:1996)

HRN EN ISO 527-3:2008

Plastika – Određivanje rasteznih svojstava – 3. dio: Ispitni uvjeti za filmove i folije (ISO 527-3:1995+Cor 1:2001; EN ISO 527-3:1995+AC 2002)

Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets (ISO 527-3:1995+Cor 1:2001; EN ISO 527-3:1995+AC 2002)

HRN EN ISO 2897-1:2008

Plastika – Žilavi polistirenski materijali za prešanje i ekstrudiranje – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 2897-1:1997; EN ISO 2897-1:1999)

Plastics – Impact-resistant polystyrene (PS-I) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 2897-1:1997; EN ISO 2897-1:1999)

HRN EN ISO 3146:2008

Plastika – Određivanje ponašanja pri taljenju (tališta ili područja taljenja) polukristalastih polimera metodama kapilarne cijevi i polarizacijskog mikroskopa (ISO 3146:2000+Cor 1:2002; EN ISO 3146:2000+AC:2003)

- Plastics – Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods (ISO 3146:2000+Cor 1:2002; EN ISO 3146:2000+AC:2003)
- HRN EN ISO 3671:2008  
Plastika – Aminoplastični materijali za prešanje – Određivanje hlapljivih tvari (ISO 3671:1976; EN ISO 3671:1998)  
Plastics – Aminoplastic moulding materials – Determination of volatile matter (ISO 3671:1976; EN ISO 3671:1998)
- HRN EN ISO 3385:2008  
Savitljivi pjenasti polimerni materijali – Određivanje zamora djelovanjem konstantnog opterećenja (ISO 3385:1989; EN ISO 3385:1995)  
Flexible cellular polymeric materials – Determination of fatigue by constant-load pounding (ISO 3385:1989; EN ISO 3385:1995)
- HRN EN ISO 3386-1:2008  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije pod pritiskom – 1. dio: Materijali niske gustoće (ISO 3386-1:1986; EN ISO 3386-1:1997)  
Polymeric materials, cellular flexible – Determination of stress-strain characteristic in compression – Part 1: Low-density materials (ISO 3386-1:1986; EN ISO 3386-1:1997)
- HRN EN ISO 3386-2:2008  
Savitljivi pjenasti polimerni materijali – Određivanje svojstava naprezanja i deformacije – 2. dio: Materijali visoke gustoće (ISO 3386-2:1997; EN ISO 3386-2:1998)  
Flexible cellular polymeric materials – Determination of stress-strain characteristics in compression – Part 2: High-density materials (ISO 3386-2:1997; EN ISO 3386-2:1998)
- HRN EN ISO 3582:2008  
Savitljivi pjenasti polimerni materijali – Laboratorijska procjena karakteristika horizontalnoga gorenja malih ispitaka koji su izloženi malom plamenu (ISO 3582:2000 + Amd 1:2007; EN ISO 3582:2000 + A1:2007)  
Flexible cellular polymeric materials – Laboratory assessment of horizontal burning characteristics of small specimens subjected to a small flame (ISO 3582:2000 + Amd 1:2007; EN ISO 3582:2000 + A1:2007)
- HRN EN ISO 3915:2008  
Plastika – Mjerenje otpornosti vodljive plastike (ISO 3915:1981; EN ISO 3915:1999)  
Plastics – Measurement of resistivity of conductive plastics (ISO 3915:1981; EN ISO 3915:1999)
- HRN EN ISO 4612:2008  
Plastika – Priređivanje ispitnih PVC-pasta – Miješanje planetnom miješalicom (ISO 4612:1999; EN ISO 4612:1999)  
Plastics – Preparation of PVC pastes for test purposes – Planetary-mixer method (ISO 4612:1999; EN ISO 4612:1999)
- HRN EN ISO 4614:2008  
Plastika – Melamin-formaldehidni otpresci – Određivanje ekstrahiranog formaldehida (ISO 4614:1977; EN ISO 4614:1999)  
Plastics – Melamine-formaldehyde mouldings – Determination of extractable formaldehyde (ISO 4614:1977; EN ISO 4614:1999)
- HRN EN ISO 5999:2008  
Savitljivi pjenasti polimerni materijali – Poliuretanska pjena za nosive uporabe osim za podloge tepiha – Specifikacija (ISO 5999:2007; EN ISO 5999:2007)  
Flexible cellular polymeric materials – Polyurethane foam for load-bearing applications excluding carpet underlay – Specification (ISO 5999:2007; EN ISO 5999:2007)
- HRN EN ISO 7662:2008  
Gumena i plastična crijeva – Određivanje abrazije podstave (ISO 7662:1988; EN ISO 7662:1996)  
Rubber and plastics hoses – Determination of abrasion of lining (ISO 7662:1988; EN ISO 7662:1996)
- HRN EN ISO 7751:2008  
Gumena i plastična crijeva i crijevni sklopovi – Omjeri ispitnih tlakova i tlakova do prsnuća za određivanje radnog tlaka (ISO 7751:1991; EN ISO 7751:1997)  
Rubber and plastics hoses and hose assemblies – Ratios of proof and burst pressure to design working pressure (ISO 7751:1991; EN ISO 7751:1997)
- HRN EN ISO 7792-1:2008  
Plastika – Plastomerni poliesterski materijali (TP) za prešanje i ekstrudiranje – 1. dio: Sustav označavanja i osnove za specifikacije (ISO 7792-1:1997; EN ISO 7792-1:2004)  
Plastics – Thermoplastic polyester (TP) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 7792-1:1997; EN ISO 7792-1:2004)
- HRN EN ISO 7792-2:2008  
Plastika – Plastomerni poliesterski materijali (TP) za prešanje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 7792-2:1997; EN ISO 7792-2:2004)  
Plastics – Thermoplastic polyester (TP) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 7792-2:1997; EN ISO 7792-2:2004)
- HRN EN ISO 7808:2008  
Plastika – Duromerni materijali za prešanje – Određivanje transfernog tečenja (ISO 7808:1992; EN ISO 7808:1998)  
Plastics – Thermosetting moulding materials – Determination of transfer flow (ISO 7808:1992; EN ISO 7808:1998)
- HRN EN ISO 9054:2008  
Kruta pjenasta plastika – Ispitne metode za materijale visoke gustoće sa samostvarajućim površinskim slojem (ISO 9054:1990; EN ISO 9054:1999)  
Cellular plastics, rigid – Test methods for self-skinned, high-density materials (ISO 9054:1990; EN ISO 9054:1999)
- HRN EN ISO 9163:2008  
Tekstilno stakleno vlakno – Roving – Proizvodnja ispitaka i određivanje rastezne čvrstoće impregniranog rovinga (ISO 9163:2005; EN ISO 9163:2005)  
Textile glass – Rovings – Manufacture of test specimens and determination of tensile strength of impregnated rovings (ISO 9163:2005; EN ISO 9163:2005)
- HRN EN ISO 10352:2008  
Plastika ojačana vlaknima – Smjese za prešanje i preprezi – Određivanje mase po jedinici površine (ISO 10352:1997; EN ISO 10352:1997)  
Fibre-reinforced plastics – Moulding compounds and prepregs – Determination of mass per unit area (ISO 10352:1997; EN ISO 10352:1997)
- HRN EN ISO 10618:2008  
Ugljikova vlakna – Određivanje rasteznih svojstava smolom impregnirane pređe (ISO 10618:2004; EN ISO 10618:2004)  
Carbon fibre – Determination of tensile properties of resin-impregnated yarn (ISO 10618:2004; EN ISO 10618:2004)
- HRN EN ISO 11337:2008  
Plastika – Poliamidi – Određivanje  $\epsilon$ -kaprolaktama i  $\omega$ -laurolaktama plinskom kromatografijom (ISO 11337:2004; EN ISO 11337:2004)  
Plastics – Polyamides – Determination of  $\epsilon$ -caprolactam and  $\omega$ -laurolactam by gas chromatography (ISO 11337:2004; EN ISO 11337:2004)
- HRN EN ISO 11401:2008  
Plastika – Fenolne smole – Razdvajanje tekućinskom kromatografijom (ISO 11401:1993; EN ISO 11401:1998)  
Plastics – Phenolic resins – Separation by liquid chromatography (ISO 11401:1993; EN ISO 11401:1998)
- HRN EN ISO 11833-2:2008  
Plastika – Neomekšane poli(vinil-kloridne) ploče – Tipovi, dimenzije i karakteristike – 2. dio: Folije tanje od 1 mm (ISO 11833-2:1998; EN ISO 11833-2:2006)  
Plastics – Unplasticized poly(vinyl chloride) sheets – Types, dimensions and characteristics – Part 2: Sheets of thickness less than 1 mm (ISO 11833-2:1998; EN ISO 11833-2:2006)
- HRN EN ISO 12971-1:2008  
Ojačavala – Specifikacija za sjeckana staklena vlakna – 1. dio: Označavanje (EN 12971-1:1999)  
Reinforcements – Specification for textile glass chopped strands – Part 1: Designation (EN 12971-1:1999)
- HRN EN ISO 12971-2:2008  
Ojačavala – Specifikacija za sjeckana staklena vlakna – 2. dio: Metode ispitivanja i opći zahtjevi (EN 12971-2:1999)  
Reinforcements – Specification for textile glass chopped strands – Part 2: Test methods and general requirements (EN 12971-2:1999)
- HRN EN ISO 12971-3:2008  
Ojačavala – Specifikacija za sjeckana staklena vlakna – 3. dio: Specifični zahtjevi (EN 12971-3:1999)  
Reinforcements – Specification for textile glass chopped strands – Part 3: Specific requirements (EN 12971-3:1999)

- HRN EN ISO 13000-1:2008  
Plastika – Politetrafluoretilenski (PTFE) polugotovi proizvodi – 1. dio: Zahtjevi i označivanje (ISO 13000-1:2005; EN ISO 13000-1:2005)  
Plastics – Polytetrafluoroethylene (PTFE) semi-finished products – Part 1: Requirements and designation (ISO 13000-1:2005; EN ISO 13000-1:2005)
- HRN EN ISO 13000-2:2008  
Plastika – Politetrafluoretilenski (PTFE) polugotovi proizvodi – 2. dio: Priprava ispitaka i određivanje svojstava (ISO 13000-2:2005; EN ISO 13000-2:2005)  
Plastics – Polytetrafluoroethylene (PTFE) semi-finished products – Part 2: preparation of test specimens and determination of properties (ISO 13000-1:2005; EN ISO 13000-2:2005)
- HRN EN 13245-1:2008  
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)
- HRN EN ISO 14125:2005  
Plastični kompoziti ojačani vlaknima – Određivanje savojnih svojstava (ISO 14125:1998+Cor 1:2001; EN ISO 14125:1998+AC:2002)  
Fibre-reinforced plastic composites – Determination of flexural properties (ISO 14125:1998+Cor 1:2001; EN ISO 14125:1998+AC:2002)
- HRN EN ISO 14126:2005  
Plastični kompoziti ojačani vlaknima – Određivanje pritisnih svojstava u smjeru ravnine oslojavanja (ISO 14126:1999+Cor 1:2001; EN ISO 14126:1999+AC:2002)  
Fibre-reinforced plastic composites – Determination of compressive properties in the in-plane direction (ISO 14126:1999+Cor 1:2001; EN ISO 14126:1999+AC:2002)
- HRN EN ISO 14631:2008  
Ekstrudirane ploče od modificiranoga žilavog polistirena (PS-I) – Zahtjevi i ispitne metode (ISO 14631:1999; EN ISO 14631:1999)  
Extruded sheets of impact-modified polystyrene (PS-I) – Requirements and test methods (ISO 14631:1999; EN ISO 14631:1999)
- HRN EN ISO 14632:2008  
Ekstrudirane polietilenske ploče (PE-HD) – Zahtjevi i ispitne metode (ISO 14632:1998; EN ISO 14632:1998)  
Extruded sheets of polyethylene (PE-HD) – Requirements and test methods (ISO 14632:1998; EN ISO 14632:1998)
- HRN EN ISO 15791-1:2008  
Plastika – Razvoj i uporaba ispitivanja na gorenje plastičnih proizvoda srednje veličine – 1. dio: Opće upute (ISO 15791-1:2002; EN ISO 15791-1:2004)  
Plastics – Development and use of intermediate-scale fire tests for plastics products – Part 1: General guidance (ISO 15791-1:2002; EN ISO 15791-1:2004)

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

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

#### **Europska normizacija**

EN ISO 12100-1/A1:2009

Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology, methodology – Amendment 1 (ISO 12100-1:2003/Amd 1:2009)

CLC/TR 50531:2009

Alarm systems – Terms and definitions

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

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

ISO 4287 AMD 1:2009

Geometrical Product Specification (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters; Amendment 1: Peak count number

ISO 2041:2009

Mechanical vibration, shock and condition monitoring – Vocabulary

#### **Europska normizacija**

EN ISO 4287/A1:2009

Geometrical Product Specification (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters – Amendment 1: Peak count number (ISO 4287:1997/Amd 1:2009)

### **01.040.19 Ispitivanje (Rječnici)**

#### **Europska normizacija**

EN 1330-9:2009

Non-destructive testing – Terminology – Part 9: Terms used in acoustic emission testing

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

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

ISO 1122-1 Technical Corrigendum 2:2009

Vocabulary of gear terms – Part 1: Definitions related to geometry; Technical Corrigendum 2

ISO 5408:2009

Screw threads – Vocabulary

ISO 26909:2009

Springs – Vocabulary

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

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

ISO 6552 Technical Corrigendum 1:2009

Automatic steam traps – Definition of technical terms

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

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

ISO 17677-1:2009

Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding

#### **Europska normizacija**

EN ISO 17677-1:2009

Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2009)

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

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

IEC 62223:2009

Insulators – Glossary of terms

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

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

IEC 62453-2:2009

Field device tool (FDT) interface specification – Part 2: Concepts and detailed description

### **01.040.49 Zrakoplovna i svemiroplavna tehnika (Rječnici)**

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

ISO 8153-1:2009

Aerospace fluid systems and components – Vocabulary – Part 1: Hose assemblies

### **01.040.55 Pakiranje i raspačavanje roba (Rječnici)**

#### **Europska normizacija**

EN 12374:2009

Packaging – Flexible tubes – Terminology

### **01.040.67 Prehrambena tehnologija (Rječnici)**

#### **Europska normizacija**

EN ISO 676:2009

Spices and condiments – Botanical nomenclature (ISO 676:1995, including Cor 1:1997)

EN ISO 5492:2009

Sensory analysis – Vocabulary (ISO 5492:2008)

### **01.040.83 Industrija gume i plastike (Rječnici)**

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

ISO 1629 AMD 1 Technical Corrigendum 1:2009

Rubber and latices – Nomenclature; Amendment 1; Technical Corrigendum 1

## 01.040.91 Građevna gradiva i gradnja (Rječnici)

### Europska normizacija

EN 934-2:2009

Admixtures for concrete, mortar and grout – Part 2: Concrete admixtures – Definitions, requirements, conformity, marking and labelling

EN 14618:2009

Agglomerated stone – Terminology and classification

## 01.080.20 Grafički znakovi za uporabu na posebnoj opremi

### Međunarodna normizacija (ISO)

ISO 20381:2009

Mobile elevating work platforms – Symbols for operator controls and other displays

## 01.100.01 Opća pravila crtanja

### Međunarodna normizacija (ISO)

ISO 3272-1 Technical Corrigendum 1:2009

Microfilming of technical drawings and other drawing office documents – Part 1: Operating procedures; Technical Corrigendum 1

## 01.100.20 Građevni crteži

### Europska normizacija

EN ISO 8826-2:1997

Technical drawings – Rolling bearing – Part 2: Detailed simplified representation (ISO 8826-2:1994)

## 01.110 Tehnička dokumentacija o proizvodu

### Međunarodna normizacija (IEC)

IEC/PAS 62569-1:2009

Generic specification of information on products – Part 1: Principles and methods

IEC 61355-DB:2008

Collection of standardized and established document kinds

## 01.120 Normizacija. Opća pravila

### Europska normizacija

CEN/CENELEC Guide 14:2009

Child safety – Guidance for its inclusion in standards

CEN/CENELEC Guide 15:2009

Tasks and responsibilities of the New Approach consultants

CEN/CENELEC Guide 16:2009

Request for EC financial support – Guidance to the secretariat/ convenorship of the responsible technical body

## 01.140.20 Informacijske znanosti

### Međunarodna normizacija (ISO)

ISO 23081-2:2009

Information and documentation – Managing metadata for records – Part 2: Conceptual and implementation issues

## 03.060 Financije. Bankarstvo. Monetarni sustavi. Osiguranje

### Europska normizacija

CEN/CENELEC Guide 16:2009

Request for EC financial support – Guidance to the secretariat/ convenorship of the responsible technical body

## 03.080.30 Usluge za potrošače

### Međunarodna normizacija (ISO)

ISO 11107:2009

Recreational diving services – Requirements for training programmes on enriched air nitrox (EAN) diving

ISO 11121:2009

Recreational diving services – Requirements for introductory training programmes to scuba diving

## 03.120.10 Upravljanje kakvoćom i osiguravanje kakvoće

### Međunarodna normizacija (ISO)

ISO 9001 Technical Corrigendum 1:2009

Quality management systems – Requirements; Technical Corrigendum 1

ISO 10002 Technical Corrigendum 1:2009

Quality management – Customer satisfaction – Guidelines for complaints handling in organizations; Technical Corrigendum 1

### Međunarodna normizacija (IEC)

IEC 60300-3-15:2009

Dependability management – Part 3-15: Application guide – Engineering of system dependability

## 03.120.30 Primjena statističkih metoda

### Međunarodna normizacija (ISO)

ISO/TR 29901 Technical Corrigendum 1:2009

Selected illustrations of full factorial experiments with four factors; Technical Corrigendum 1

## 03.200 Slobodno vrijeme. Turizam

### Međunarodna normizacija (ISO)

ISO 11107:2009

Recreational diving services – Requirements for training programmes on enriched air nitrox (EAN) diving

ISO 11121:2009

Recreational diving services – Requirements for introductory training programmes to scuba diving

## 03.220.01 Prijevoz općenito

### Međunarodna normizacija (ISO)

ISO 17572-3 Technical Corrigendum 1:2009

Intelligent transport systems (ITS) – Location referencing for geographic databases – Part 3: Dynamic location references (dynamic profile); Technical Corrigendum 1

### Europska normizacija

CEN/TR 14383-7:2009

Prevention of crime – Urban planning and building design – Part 7: Design and management of public transport facilities



## 03.220.30 Željeznički prijevoz

### Međunarodna normizacija (IEC)

IEC 62267:2009  
Railway applications – Automated Urban Guided Transport (AUGT) – Safety requirements

## 07.060 Geologija. Meteorologija. Hidrologija

### Međunarodna normizacija (ISO)

ISO/TR 23211:2009  
Hydrometry – Measuring the water level in a well using automated pressure transducer methods

## 07.100.30 Mikrobiologija hrane

### Međunarodna normizacija (ISO)

ISO 17604 AMD 1:2009  
Microbiology of food and animal feeding stuffs – Carcass sampling for microbiological analysis – Amendment 1: Sampling of poultry carcasses

### Europska normizacija

EN 14166:2009  
Foodstuffs – Determination of vitamin B6 by microbiological assay

## 07.100.99 Druge norme koje se odnose na mikrobiologiju

### Europska normizacija

EN ISO 18416:2009  
Cosmetics – Microbiology – Detection of *Candida albicans* (ISO 18416:2007)

EN ISO 21148:2009  
Cosmetics – Microbiology – General instructions for microbiological examination (ISO 21148:2005)

EN ISO 21149:2009  
Cosmetics – Microbiology – Enumeration and detection of aerobic mesophilic bacteria (ISO 21149:2006)

EN ISO 21150:2009  
Cosmetics – Microbiology – Detection of *Escherichia coli* (ISO 21150:2006)

EN ISO 22717:2009  
Cosmetics – Microbiology – Detection of *Pseudomonas aeruginosa* (ISO 22717:2006)

EN ISO 22718:2009  
Cosmetics – Microbiology – Detection of *Staphylococcus aureus* (ISO 22718:2006)

## 11.040.01 Medicinska oprema općenito

### Međunarodna normizacija (ISO)

ISO 13485 Technical Corrigendum 1:2009  
Medical devices – Quality management systems – Requirements for regulatory purposes; Technical Corrigendum 1

### Europska normizacija

EN ISO 14971:2009  
Medical devices – Application of risk management to medical devices (ISO 14971:2007, Corrected version 2007-10-01)

## 11.040.10 Anestezijska, respiracijska i reanimacijska oprema

### Međunarodna normizacija (ISO)

ISO 26782:2009  
Anaesthetic and respiratory equipment – Spirometers intended for the measurement of time forced expired volumes in humans

### Europska normizacija

EN ISO 26782:2009  
Anaesthetic and respiratory equipment – Spirometers intended for the measurement of time forced expired volumes in humans (ISO 26782:2009)

## 11.040.20 Transfuzijska, infuzijska i injekcijska oprema

### Međunarodna normizacija (ISO)

ISO 8536-3:2009  
Infusion equipment for medical use – Part 3: Aluminium caps for infusion bottles

### Europska normizacija

EN 13867+A1:2009  
Concentrates for haemodialysis and related therapies

EN ISO 8536-3:2009  
Infusion equipment for medical use – Part 3: Aluminium caps for infusion bottles (ISO 8536-3:2009)

## 11.040.50 Radiografska i druga dijagnostička oprema

### Međunarodna normizacija (IEC)

IEC 62467-1:2009  
Medical electrical equipment – Dosimetric instruments as used in brachytherapy – Part 1: Instruments based on well-type ionization chambers

IEC 60601-2-54:2009  
IEC 60601-2-54, Ed. 1: Medical electrical equipment – Part 2-54: Particular requirements for the basic safety and essential performance of X-ray equipment for radiography and radioscopy

## 11.040.70 Oftalmološka oprema

### Međunarodna normizacija (ISO)

ISO 7944 Technical Corrigendum 1:2009  
Optics and optical instruments – Reference wavelengths; Technical Corrigendum 1

ISO 8596:2009  
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation

ISO 10341:2009  
Ophthalmic optics – Refractor heads

ISO 10343:2009  
Ophthalmic optics – Ophthalmometers

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 15254:2009  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision

### Europska normizacija

EN ISO 8596:2009  
Ophthalmic optics – Visual acuity testing – Standard optotype and its presentation (ISO 8596:2009)

- EN ISO 10341:2009  
Ophthalmic optics – Refractor heads (ISO 10341:2009)
- EN ISO 10343:2009  
Ophthalmic optics – Ophthalmometers (ISO 10343:2009)
- 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 15254:2009  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2009)

## 11.060.20 Zubarska oprema

### Međunarodna normizacija (ISO)

- ISO 3630-4:2009  
Dentistry – Root canal instruments – Part 4: Auxiliary instruments
- ISO 4073:2009  
Dentistry – Information system on the location of dental equipment in the working area of the oral health care provider
- ISO 9168:2009  
Dentistry – Hose connectors for air driven dental handpieces

### Europska normizacija

- EN ISO 4073:2009  
Dentistry – Information system on the location of dental equipment in the working area of the oral health care provider (ISO 4073:2009)
- EN ISO 9168:2009  
Dentistry – Hose connectors for air driven dental handpieces (ISO 9168:2009)

## 11.060.25 Zubarski instrumenti

### Europska normizacija

- EN ISO 3630-4:2009  
Dentistry – Root canal instruments – Part 4: Auxiliary instruments (ISO 3630-4:2009)

## 11.080.10 Sterilizacijska oprema

### Europska normizacija

- EN ISO 15883-1:2009  
Washer-disinfectors – Part 1: General requirements, terms and definitions and tests (ISO 15883-1:2006)
- EN ISO 15883-2:2009  
Washer-disinfectors – Part 2: Requirements and tests for washer-disinfectors employing thermal disinfection for surgical instruments, anaesthetic equipment, bowls, dishes, receivers, utensils, glassware, etc. (ISO 15883-2:2006)
- EN ISO 15883-3:2009  
Washer-disinfectors – Part 3: Requirements and tests for washer-disinfectors employing thermal disinfection for human waste containers (ISO 15883-3:2006)
- EN ISO 15883-4:2009  
Washer-disinfectors – Part 4: Requirements and tests for washer-disinfectors employing chemical disinfection for thermolabile endoscopes (ISO 15883-4:2008)
- EN 14180+A2:2009  
Sterilizers for medical purposes – Low temperature steam and formaldehyde sterilizers – Requirements and testing

## 11.080.30 Sterilizirani zavoji

### Europska normizacija

- EN ISO 11607-1:2009  
Packaging for terminally sterilized medical devices – Part 1: Requirements for materials, sterile barrier systems and packaging systems (ISO 11607-1:2006)

## 11.100.20 Biološka ocjena medicinskih uređaja

### Međunarodna normizacija (ISO)

- ISO 10993-5:2009  
Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity

### Europska normizacija

- EN ISO 10993-1:2009  
Biological evaluation of medical devices – Part 1: Evaluation and testing (ISO 10993-1:2003)
- EN ISO 10993-5:2009  
Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity (ISO 10993-5:2009)
- EN ISO 10993-15:2009  
Biological evaluation of medical devices – Part 15: Identification and quantification of degradation products from metals and alloys (ISO 10993-15:2000)
- EN ISO 14155-1:2009  
Clinical investigation of medical devices for human subjects – Part 1: General requirements (ISO 14155-1:2003)
- EN ISO 14155-2:2009  
Clinical investigation of medical devices for human subjects – Part 2: Clinical investigation plans (ISO 14155-2:2003)

## 11.120.99 Druge norme koje se odnose na ljekarništvo

### Europska normizacija

- EN 13867+A1:2009  
Concentrates for haemodialysis and related therapies

## 11.140 Bolnička oprema

### Europska normizacija

- EN 13795-1+A1:2009  
Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Part 1: General requirements for manufacturers, processors and products
- EN 13795-2+A1:2009  
Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Part 2: Test methods
- EN 13795-3+A1:2009  
Surgical drapes, gowns and clean air suits, used as medical devices, for patients, clinical staff and equipment – Part 3: Performance requirements and performance levels

## 11.180.30 Pomagala za čitanje

### Europska normizacija

- EN ISO 15254:2009  
Ophthalmic optics and instruments – Electro-optical devices for enhancing low vision (ISO 15254:2009)

## 11.180.99 Druge norme povezane s pomoči za invalidne i hendikepirane osebe

### Međunarodna normizacija (ISO)

- ISO/IEC TR 29138-1:2009  
Information technology – Accessibility considerations for people with disabilities – Part 1: User needs summary
- ISO/IEC TR 29138-2:2009  
Information technology – Accessibility considerations for people with disabilities – Part 2: Standards inventory
- ISO/IEC TR 29138-3:2009  
Information technology – Accessibility considerations for people with disabilities – Part 3: Guidance on user needs mapping

## 13.020.10 Upravljanje okolišem

### Međunarodna normizacija (ISO)

- ISO 14001 Technical Corrigendum 1:2009  
Environmental management systems – Requirements with guidance for use; Technical Corrigendum 1

## 13.030.50 Recikliranje

### Međunarodna normizacija (ISO)

- ISO/PAS 30002:2009  
Ships and marine technology – Ship recycling management systems – Guidelines for selection of ship recyclers (and pro forma contract)

## 13.040.30 Kakvoća zraka na radnome mjestu

### Međunarodna normizacija (ISO)

- ISO 15767:2009  
Workplace atmospheres – Controlling and characterizing uncertainty in weighing collected aerosols
- ISO 8760 Technical Corrigendum 1:2009  
Work-place air – Determination of mass concentration of carbon monoxide – Method using detector tubes for short-term sampling with direct indication; Technical Corrigendum 1
- ISO 8761 Technical Corrigendum 1:2009  
Work-place air – Determination of mass concentration of nitrogen dioxide – Method using detector tubes for short-term sampling with direct indication; Technical Corrigendum 1

## 13.060.50 Ispitivanje voda na kemijske tvari

### Međunarodna normizacija (ISO)

- ISO 24293:2009  
Water quality – Determination of individual isomers of nonylphenol – Method using solid phase extraction (SPE) and gas chromatography/mass spectrometry (GC/MS)

### Europska normizacija

- EN ISO 11885:2009  
Water quality – Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES) (ISO 11885:2007)
- EN ISO 21427-2/AC:2009  
Water quality – Evaluation of genotoxicity by measurement of the induction of micronuclei – Part 2: Mixed population method using the cell line V79 (ISO 21427-2:2006/Cor 1:2009)

- EN ISO 23913:2009  
Water quality – Determination of chromium(VI) – Method using flow analysis (FIA and CFA) and spectrometric detection (ISO 23913:2006)

## 13.110 Sigurnost strojeva

### Europska normizacija

- EN ISO 12100-1/A1:2009  
Safety of machinery – Basic concepts, general principles for design – Part 1: Basic terminology, methodology – Amendment 1 (ISO 12100-1:2003/Amd 1:2009)
- EN ISO 12100-2/A1:2009  
Safety of machinery – Basic concepts, general principles for design – Part 2: Technical principles – Amendment 1 (ISO 12100-2:2003/Amd 1:2009)

## 13.160 Utjecaj vibracija na ljude

### Europska normizacija

- EN ISO 7096/AC:2009  
Earth-moving machinery – Laboratory evaluation of operator seat vibration (ISO 7096:2000)

## 13.180 Ergonomija

### Europska normizacija

- EN ISO 9920:2009  
Ergonomics of the thermal environment – Estimation of thermal insulation and water vapour resistance of a clothing ensemble (ISO 9920:2007, Corrected version 2008-11-01)

## 13.220.01 Zaštita od požara općenito

### Međunarodna normizacija (ISO)

- ISO 23932:2009  
Fire safety engineering – General principles

## 13.220.10 Vatrogastvo

### Međunarodna normizacija (ISO)

- ISO 6183:2009  
Fire protection equipment – Carbon dioxide extinguishing systems for use on premises – Design and installation
- ISO 16852 Technical Corrigendum 2:2009  
Flame arresters – Performance requirements, test methods and limits for use; Technical Corrigendum 2

### Europska normizacija

- EN 15767-1:2009  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable monitors – Part 1: General requirements for portable monitor assemblies
- EN 15767-2:2009  
Portable equipment for projecting extinguishing agents supplied by fire fighting pumps – Portable monitors – Part 2: Water nozzles

## 13.220.40 Zapaljivost i ponašanje pri izgaranju gradiva i proizvoda

### Međunarodna normizacija (ISO)

- ISO 25762:2009  
Plastics – Guidance on the assessment of the fire characteristics and fire performance of fibre-reinforced polymer composites

## Međunarodna normizacija (IEC)

IEC 60331-11 Edition 1.1:2009

Tests for electric cables under fire conditions – Circuit integrity – Part 11: Apparatus – Fire alone at a flame temperature of at least 750 °C

## 13.220.50 Vatrootpornost građevnih gradiva i elemenata

### Međunarodna normizacija (ISO)

ISO 6944-2:2009

Fire containment – Elements of building construction – Part 2: Kitchen extract ducts

ISO/TR 834-2:2009

Fire-resistance tests – Elements of building construction – Part 2: Guidance on measuring uniformity of furnace exposure on test samples

## 13.260 Zaštita od električnog udara

### Međunarodna normizacija (IEC)

IEC 61243-1 Edition 2.1:2009

Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.

## 13.310 Zaštita od kriminala

### Europska normizacija

CEN/TR 14383-7:2009

Prevention of crime – Urban planning and building design – Part 7: Design and management of public transport facilities

## 13.320 Alarmni sustavi i sustavi uzbunjivanja

### Europska normizacija

EN 12613:2009

Plastics warning devices for underground cables and pipelines with visual characteristics

CLC/TR 50531:2009

Alarm systems – Terms and definitions

## 13.340.30 Uređaji za zaštitu dišnih organa

### Međunarodna normizacija (ISO)

ISO 16900-2:2009

Respiratory protective devices – Methods of test and test equipment – Part 2: Determination of breathing resistance

### Europska normizacija

EN 1827+A1:2009

Respiratory protective devices – Half masks without inhalation valves and with separable filters to protect against gases or vapours and particles or particles only – Requirements, testing, marking

## 13.340.40 Zaštitne rukavice

### Europska normizacija

EN 659+A1/AC:2009

Protective gloves for firefighters

## 13.340.60 Oprema za zaštitu od pada

### Međunarodna normizacija (ISO)

ISO 10862:2009

Small craft – Quick release system for trapeze harness

## 17.040.30 Mjerila

### Međunarodna normizacija (ISO)

ISO 4287 AMD 1:2009

Geometrical Product Specification (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters; Amendment 1: Peak count number

### Europska normizacija

EN ISO 4287/A1:2009

Geometrical Product Specification (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters – Amendment 1: Peak count number (ISO 4287:1997/Amd 1:2009)

## 17.140.01 Akustička mjerenja i smanjenje buke općenito

### Međunarodna normizacija (ISO)

ISO 13474:2009

Acoustics – Framework for calculating a distribution of sound exposure levels for impulsive sound events for the purposes of environmental noise assessment

## 17.140.20 Buka koju proizvode strojevi i oprema

### Međunarodna normizacija (IEC)

IEC 60704-2-2:2009

Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-2: Particular requirements for fan heaters

IEC 62448

Multimedia systems and equipment – Multimedia e-publishing and e-books – Generic format for e-publishing

### Europska normizacija

EN 300753 V 1.2.1

Equipment Engineering (EE) – Acoustic noise emitted by telecommunications equipment

## 17.140.30 Buka koju proizvode prijevozna sredstva

### Međunarodna normizacija (ISO)

ISO 362-2:2009

Measurement of noise emitted by accelerating road vehicles – Engineering method – Part 2: L category

### Europska normizacija

CEN/TR 15874:2009

Railway applications – Noise emission – Road test of standard for rail roughness measurement EN 15610:2009

## 17.160 Vibracije, udari i mjerenja vibracija

### Međunarodna normizacija (ISO)

- ISO 2041:2009  
Mechanical vibration, shock and condition monitoring – Vocabulary

## 17.200.10 Toplina. Kalorimetrija

### Međunarodna normizacija (ISO)

- ISO 1928:2009  
Solid mineral fuels – Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value

## 17.200.20 Mjerila temperature

### Europska normizacija

- EN 12470-1+A1:2009  
Clinical thermometers – Part 1: Metallic liquid-in-glass thermometers with maximum device
- EN 12470-2+A1:2009  
Clinical thermometers – Part 2: Phase change type (dot matrix) thermometers
- EN 12470-3+A1:2009  
Clinical thermometers – Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device
- EN 12470-4+A1:2009  
Clinical thermometers – Part 4: Performance of electrical thermometers for continuous measurement

## 17.220.01 Elektricitet. Magnetizam. Opći aspekti

### Međunarodna normizacija (IEC)

- IEC 60059 AMD 1:2009  
IEC standard current ratings; Amendment 1

## 17.220.20 Mjerenje električnih i magnetskih veličina

### Međunarodna normizacija (IEC)

- IEC 61243-1 Edition 2.1:2009  
Live working – Voltage detectors – Part 1: Capacitive type to be used for voltages exceeding 1 kV a.c.
- IEC 62501:2009  
Voltage sourced converter (VSC) valves for high-voltage current (HVDC) power transmission – Electrical testing

## 17.240 Mjerenje zračenja

### Međunarodna normizacija (ISO)

- ISO/ASTM 51205:2009  
Practice for use of a ceric-cerous sulfate dosimetry system
- ISO/ASTM 51538:2009  
Practice for use of the ethanol-chlorobenzene dosimetry system
- ISO/ASTM 51818:2009  
Practice for dosimetry in an electron beam facility for radiation processing at energies between 80 and 300 keV
- ISO/ASTM 51900:2009  
Guide for dosimetry in radiation research on food and agricultural products

### Međunarodna normizacija (IEC)

- IEC 62467-1:2009  
Medical electrical equipment – Dosimetric instruments as used in brachytherapy – Part 1: Instruments based on well-type ionization chambers
- IEC 60951-1:2009  
Nuclear power plants – Instrumentation important to safety – Radiation monitoring for accident and post-accident conditions – Part 1: General requirements
- IEC 60951-2:2009  
Nuclear power plants – Instrumentation important to safety – Radiation monitoring for accident and post-accident conditions – Part 2: Equipment for continuous off-line monitoring of radioactivity in gaseous effluents and ventilation air
- IEC 60951-3:2009  
Nuclear power plants – Instrumentation important to safety – Radiation monitoring for accident and post-accident conditions – Part 3: Equipment for continuous high range area gamma monitoring
- IEC 60951-4:2009  
Nuclear power plants – Instrumentation important to safety – Radiation monitoring for accident and post-accident conditions – Part 4: Equipment for continuous in-line or on-line monitoring of radioactivity in process streams

## 19.080 Električna i elektronička ispitivanja

### Međunarodna normizacija (IEC)

- IEC 62501:2009  
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing

## 19.100 Nerazorna ispitivanja

### Europska normizacija

- EN 1330-9:2009  
Non-destructive testing – Terminology – Part 9: Terms used in acoustic emission testing

## 19.120 Analiza veličine čestica. Prosijavanje

### Međunarodna normizacija (ISO)

- ISO 21501-1:2009  
Determination of particle size distribution – Single particle light interaction methods – Part 1: Light scattering aerosol spectrometer

## 21.040.01 Navoji vijaka općenito

### Međunarodna normizacija (ISO)

- ISO 5408:2009  
Screw threads – Vocabulary

## 21.040.10 Metrički navoji vijaka

### Međunarodna normizacija (ISO)

- ISO 724 Technical Corrigendum 1:2009  
ISO general-purpose metric screw threads – Basic dimensions; Technical Corrigendum 1
- ISO 965-1 Technical Corrigendum 1:2009  
ISO general-purpose metric screw threads – Tolerances – Part 1: Principles and basic data; Technical Corrigendum 1

ISO 965-3 Technical Corrigendum 1:2009  
ISO general-purpose metric screw threads – Tolerances –  
Part 3: Deviations for constructional screw threads; Technical  
Corrigendum 1

## 21.060.10 Svornjaci, vijci, usadni vijci

### Međunarodna normizacija (ISO)

ISO 10644:2009  
Screw and washer assemblies made of steel with plain  
washers – Washer hardness classes 200 HV and 300 HV

## 21.060.30 Podloške, osigurači

### Međunarodna normizacija (ISO)

ISO 10644:2009  
Screw and washer assemblies made of steel with plain  
washers – Washer hardness classes 200 HV and 300 HV  
ISO 10673:2009  
Plain washers for screw and washer assemblies – Small,  
normal and large series – Product grade A

### Europska normizacija

EN ISO 10644:2009  
Screw and washer assemblies made of steel with plain  
washers – Washer hardness classes 200 HV and 300 HV  
(ISO 10644:2009)  
EN ISO 10673:2009  
Plain washers for screw and washer assemblies – Small,  
normal and large series – Product grade A (ISO 10673:2009)

## 21.060.50 Zatici, čavli

### Međunarodna normizacija (ISO)

ISO 8752:2009  
Spring-type straight pins – Slotted, heavy duty  
EN ISO 13337:2009  
Spring-type straight pins – Slotted, light duty

### Europska normizacija

EN ISO 8752:2009  
Spring-type straight pins – Slotted, heavy duty  
(ISO 8752:2009)  
EN ISO 13337:2009  
Spring-type straight pins – Slotted, light duty  
(ISO 13337:2009)

## 21.100.20 Valjni ležajevi

### Europska normizacija

EN ISO 8826-2:1997  
Technical drawings – Rolling bearings – Part 2: Detailed  
simplified representation (ISO 8826-2:1994)

## 21.160 Opruge

### Međunarodna normizacija (ISO)

ISO 26909:2009  
Springs – Vocabulary  
ISO 26910-1:2009  
Springs – Shot peening – Part 1: General procedures

## 21.200 Zupčanici

### Međunarodna normizacija (ISO)

ISO 1122-1 Technical Corrigendum 2:2009  
Vocabulary of gear terms – Part 1: Definitions related to  
geometry; Technical Corrigendum 2  
ISO 4468:2009  
Gear hobs – Accuracy requirements

## 23.020.30 Tlačne posude, cilindrični plinski spremnici

### Međunarodna normizacija (ISO)

ISO 25760:2009  
Gas cylinders – Operational procedures for the safe removal  
of valves from gas cylinders

### Europska normizacija

EN 12807:2009  
LPG equipment and accessories – Transportable refillable  
brazed steel cylinders for liquefied petroleum gas (LPG)  
– Design and construction

## 23.040.01 Cjevovodne sastavnice i cjevovodi općenito

### Europska normizacija

EN 13941:2009  
Design and installation of preinsulated bonded pipe systems  
for district heating  
EN 15001-1:2009  
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

## 23.040.10 Cijevi od lijevanog željeza i čelika

### Europska normizacija

EN 598+A1:2009  
Ductile iron pipes, fittings, accessories and their joints for  
sewerage applications – Requirements and test methods

## 23.040.40 Kovinski fitinzi

### Europska normizacija

EN 598+A1:2009  
Ductile iron pipes, fittings, accessories and their joints for  
sewerage applications – Requirements and test methods

## 23.040.50 Cijevi i fitinzi od drugih gradiva

### Međunarodna normizacija (ISO)

ISO 18672-1:2009  
Plastics piping systems for non-pressure drainage and  
sewerage – Polyester resin concrete (PRC) – Part 1: Pipes  
and fittings with flexible joints

## 23.040.70 Spojevi sipkih cijevi

### Međunarodna normizacija (ISO)

- ISO 12151-6:2009  
Connections for hydraulic fluid power and general use – Hose fittings – Part 6: Hose fittings with ISO 8434-6 60° cone ends
- ISO 28017:2009  
Rubber hoses and hose assemblies, wire or textile reinforced, for dredging applications – Specification

## 23.060.01 Ventili općenito

### Međunarodna normizacija (ISO)

- ISO 6552 Technical Corrigendum 1:2009  
Automatic steam traps – Definition of technical terms

## 23.060.30 Zasunski ventili

### Europska normizacija

- EN 593:2009  
Industrial valves – Metallic butterfly valves

## 23.060.40 Regulatori tlaka

### Europska normizacija

- EN 14382+A1/AC:2009  
Safety devices for gas pressure regulating stations and installations – Gas safety shut-off devices for inlet pressures up to 100 bar
- EN 60534-2-4:2009  
Industrial-process control valves – Part 2-4: Flow capacity – Inherent flow characteristics and rangeability (IEC 60534-2-4:2009)

## 23.080 Pumpe

### Europska normizacija

- EN 12162+A1:2009  
Liquid pumps – Safety requirements – Procedure for hydrostatic testing

## 23.100.40 Cijevi i spojke

### Međunarodna normizacija (ISO)

- ISO 12151-6:2009  
Connections for hydraulic fluid power and general use – Hose fittings – Part 6: Hose fittings with ISO 8434-6 60° cone ends

## 23.100.60 Filtri, britve i onečišćenje fluida

### Međunarodna normizacija (ISO)

- ISO 3601-1 Technical Corrigendum 1:2009  
Fluid power systems – O-rings – Part 1: Inside diameters, cross-sections, tolerances and designation codes; Technical Corrigendum 1
- ISO 12500-3:2009  
Filters for compressed air – Test methods – Part 3: Particulates

## 23.120 Ventilatori. Klimatizacijski uređaji

### Međunarodna normizacija (ISO)

- ISO 27327-1:2009  
Fans – Air curtain units – Part 1: Laboratory methods of testing for aerodynamic performance rating

## 23.140 Kompresori i pneumatski strojevi

### Međunarodna normizacija (ISO)

- ISO 1217:2009  
Displacement compressors – Acceptance tests

## 25.040.20 Brojčano upravljani strojevi

### Međunarodna normizacija (ISO)

- ISO 13041-6:2009  
Test conditions for numerically controlled turning machines and turning centres – Part 6: Accuracy of a finished test piece

## 25.060.20 Uređaji za držanje i podjelu oruđa

### Međunarodna normizacija (ISO)

- ISO 702-1:2009  
Machine tools – Connecting dimensions of spindle noses and work holding chucks – Part 1: Conical connection

## 25.100.70 Abrazivi

### Europska normizacija

- EN 13743:2009  
Safety requirements for coated abrasive products

## 25.140.20 Električni alati

### Međunarodna normizacija (IEC)

- IEC 60745-2-13 AMD 1:2009  
Hand-held motor-operated electric tools – Safety – Part 2-13: Particular requirements for chain saws; Amendment 1

## 25.140.30 Ručni alati

### Međunarodna normizacija (ISO)

- ISO 3317:2009  
Assembly tools for screws and nuts – Square drive adaptor with hexagon or cylindrical flat drive, for power socket wrenches
- ISO 3318:2009  
Assembly tools for screws and nuts – Double-headed open-ended wrenches, double-headed box wrenches and combination wrenches – Maximum widths of heads

## 25.160.10 Procesi zavarivanja

### Međunarodna normizacija (ISO)

- ISO 17663:2009  
Welding – Quality requirements for heat treatment in connection with welding and allied processes

ISO 17677-1:2009  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding

### Europska normizacija

EN ISO 17663:2009  
Welding – Quality requirements for heat treatment in connection with welding and allied processes (ISO 17663:2009)

EN ISO 17677-1:2009  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO 17677-1:2009)

## 25.160.20 Potrošna gradiva za zavarivanje

### Međunarodna normizacija (ISO)

ISO/TR 20172:2009  
Welding – Grouping systems for materials – European materials

ISO/TR 13393:2009  
Welding consumables – Hardfacing classification – Microstructures

### Europska normizacija

CEN ISO/TR 20172:2009  
Welding – Grouping systems for materials – European materials (ISO/TR 20172:2009)

## 25.160.30 Oprema za zavarivanje

### Međunarodna normizacija (ISO)

ISO 2503:2009  
Gas welding equipment – Pressure regulators and pressure regulators with flow-metering devices for gas cylinders used in welding, cutting and allied processes up to 300 bar (30 MPa)

### Europska normizacija

EN ISO 2503:2009  
Gas welding equipment – Pressure regulators and pressure regulators with flow-metering devices for gas cylinders used in welding, cutting and allied processes up to 300 bar (30 MPa) (ISO 2503:2009)

## 25.160.40 Zavareni spojevi

### Međunarodna normizacija (ISO)

ISO 5173:2009  
Destructive tests on welds in metallic materials – Bend tests

## 25.180.01 Industrijske peći općenito

### Europska normizacija

EN 746-3+A1:2009  
Industrial thermoprocessing equipment – Part 3: Safety requirements for the generation and use of atmosphere gases

EN 1547+A1:2009  
Industrial thermoprocessing equipment – Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment

## 25.220.99 Druge vrste obradbe i premazivanja

### Europska normizacija

EN 15773:2009  
Industrial application of powder organic coatings to hot dip galvanized or sherardized steel articles [duplex systems] – Specifications, recommendations and guidelines

## 27.010 Tehnika prijenosa energije i topline općenito

### Europska normizacija

EN 16001:2009  
Energy management systems – Requirements with guidance for use

## 27.060.10 Plamenici za tekuće i kruto gorivo

### Europska normizacija

EN ISO 23553-1:2009  
Safety and control devices for oil burners and oil-burning appliances – Particular requirements – Part 1: Shut-off devices for oil burners (ISO 23553-1:2007, including Cor 1:2009)

## 27.070 Gorivi članci

### Međunarodna normizacija (IEC)

IEC 62282-6-300:2009  
Fuel cell technologies – Part 6-300: Micro fuel cell power systems – Fuel cartridge interchangeability

## 27.120.20 Nuklearna postrojenja. Sigurnost

### Međunarodna normizacija (IEC)

IEC 60965:2009  
Nuclear power plants – Control rooms – Supplementary control points for reactor shutdown without access to the main control room

IEC 61226:2009  
Nuclear power plants – Instrumentation and control important to safety – Classification of instrumentation and control functions

## 27.160 Sunčeva energija

### Međunarodna normizacija (IEC)

IEC 60904-4:2009  
Photovoltaic devices – Part 4: Reference solar devices – Procedure for establishing calibration traceability

## 29.020 Elektrotehnika općenito

### Međunarodna normizacija (IEC)

IEC 60038:2009  
IEC standard voltages

IEC 60059 AMD 1:2009  
IEC standard current ratings; Amendment 1

IEC 60196:2009  
IEC standard frequencies

IEC 60300-3-11:2009  
Dependability management – Part 3-11: Application guide – Reliability centred maintenance



IEC 60300-3-15:2009  
Dependability management – Part 3-15: Application guide  
– Engineering of system dependability

IEC 61355-DB:2008  
Collection of standardized and established document kinds

## 29.060.20 Kabeli

### Međunarodna normizacija (IEC)

IEC 60331-11 Edition 1.1:2009  
Tests for electric cables under fire conditions – Circuit integrity  
– Part 11: Apparatus – Fire alone at a flame temperature of  
at least 750 °C

IEC 60800:2009  
Heating cables with a rated voltage of 300/500 V for comfort  
heating and prevention of ice formation

## 29.080.10 Izolatori

### Međunarodna normizacija (IEC)

IEC 62223:2009  
Insulators – Glossary of terms

## 29.120.10 Zaštitne cijevi za električne potrebe

### Europska normizacija

EN 60670-1/IS1:2009  
Boxes and enclosures for electrical accessories for household  
and similar fixed electrical installations – Part 1: General  
requirements – Interpretation Sheet 1 to EN 60670-1:2005

## 29.120.40 Sklopke

### Međunarodna normizacija (IEC)

IEC 61020-1:2009  
Electromechanical switches for use in electrical and  
electronic equipment – Part 1: Generic specification

### Europska normizacija

EN 50428/A2:2009  
Switches for household and similar fixed electrical  
installations – Collateral standard – Switches and related  
accessories for use in home and building electronic systems  
(HBES)

EN 60669-1/IS1:2009  
Switches for household and similar fixed-electrical  
installations – Part 1: General requirements – Interpretation  
Sheet 1 to EN 60669-1:1999

EN 60669-2-1/A1:2009  
Switches for household and similar fixed-electrical  
installations – Part 2-1: Particular requirements – Electronic  
switches (IEC 60669-2-1:2002/A1:2008, modified)

## 29.120.50 Osigurači i drugi uređaji za nadstrujnu zaštitu

### Međunarodna normizacija (IEC)

IEC 60269-1 Edition 4.1:2009  
Low-voltage fuses – Part 1: General requirements

## 29.130.20 Niskonaponski rasklopni i upravljački uređaji

### Međunarodna normizacija (IEC)

IEC 60947-5-1 Edition 3.1:2009  
Low-voltage switchgear and controlgear – Part 5-1: Control  
circuit devices and switching elements – Electromechanical  
control circuit devices

## 29.140.01 Svjetiljke općenito

### Međunarodna normizacija (IEC)

IEC 61547:2009  
Equipment for general lighting purposes – EMC immunity  
requirements

## 29.140.10 Kape i držači svjetiljki

### Europska normizacija

EN 60061-1/A41:2009  
Lamp caps and holders together with gauges for the  
control of interchangeability and safety – Part 1: Lamp caps  
(IEC 60061-1:1969/A41:2009)

EN 60061-2/A38:2009  
Lamp caps and holders together with gauges for the control  
of interchangeability and safety – Part 2: Lampholders  
(IEC 60061-2:1969/A38:2009)

EN 60061-3/A39:2009  
Lamp caps and holders together with gauges for the  
control of interchangeability and safety – Part 3: Gauges  
(IEC 60061-3:1969/A39:2009)

## 29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

### Međunarodna normizacija (IEC)

IEC 62386-101:2009  
Digital addressable lighting interface – Part 101: General  
requirements – System

IEC 62386-102:2009  
Digital addressable lighting interface – Part 102: General  
requirements – Control gear

IEC 62386-201:2009  
Digital addressable lighting interface – Part 201: Particular  
requirements for control gear – Fluorescent lamps (device  
type 0)

IEC 62386-202:2009  
Digital addressable lighting interface – Part 202: Particular  
requirements for control gear – Self-contained emergency  
lighting (device type 1)

IEC 62386-203:2009  
Digital addressable lighting interface – Part 203: Particular  
requirements for control gear – Discharge lamps (excluding  
fluorescent lamps) (device type 2)

IEC 62386-204:2009  
Digital addressable lighting interface – Part 204: Particular  
requirements for control gear – Low voltage halogen lamps  
(device type 3)

IEC 62386-205:2009  
Digital addressable lighting interface – Part 205: Particular  
requirements for control gear – Supply voltage controller for  
incandescent lamps (device type 4)

IEC 62386-206:2009  
Digital addressable lighting interface – Part 206: Particular  
requirements for control gear – Conversion from digital signal  
into d.c. voltage (device type 5)

IEC 62386-208:2009  
Digital addressable lighting interface – Part 208: Particular  
requirements for control gear – Switching function (device  
type 7)

## 29.140.99 Druge norme koje se odnose na svjetiljke

### Međunarodna normizacija (IEC)

- IEC/PAS 62612:2009  
Self-ballasted LED-lamps for general lighting services – Performance requirements
- IEC 62384 AMD 1:2009  
D.C. or A.C. supplied electronic control gear for LED modules – Performance requirements

## 29.180 Transformatori. Prigušnice

### Međunarodna normizacija (IEC)

- IEC 61558-2-16:2009  
Safety of transformers, reactors, power supply units and similar products for voltages up to 1100 V – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units

## 29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

### Međunarodna normizacija (IEC)

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

## 29.220.20 Kiseli sekundarni članci i baterije

### Europska normizacija

- EN 50342-4:2009  
Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy vehicles

## 29.260.20 Električni uređaji za eksplozivnu atmosferu

### Međunarodna normizacija (IEC)

- IEC 60079-18 Corrigendum 1:2009  
Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”; Corrigendum 1

## 31.020 Elektroničke sastavnice općenito

### Međunarodna normizacija (IEC)

- IEC 60300-3-11:2009  
Dependability management – Part 3-11: Application guide – Reliability centred maintenance

## 31.120 Elektronički pokazni uređaji

### Međunarodna normizacija (IEC)

- IEC 61988-2-3:2009  
Plasma display panels – Part 2-3: Measuring methods – Image quality: Defects and degradation

## 31.220.10 Utikački i utičnički uređaji. Konektori

### Međunarodna normizacija (IEC)

- IEC 60603-7-1:2009  
Connectors for electronic equipment – Part 7-1: Detail specification for 8-way, shielded, free and fixed connectors
- IEC 61076-3-115:2009  
Connectors for electronic equipment – Product requirements – Part 3-115: Rectangular connectors – Detail specification for protective housings for use with 8-way shielded and unshielded connectors for frequencies up to 600 MHz for industrial environments incorporating the IEC 60603-7 series interface – Variant 12 related to IEC 61076-3-106 – Push-pull type

## 31.220.20 Sklopke

### Međunarodna normizacija (IEC)

- IEC 61020-1:2007  
Electromechanical switches for use in electrical and electronic equipment – Part 1: Generic specification

## 33.020 Telekomunikacije općenito

### Međunarodna normizacija (IEC)

- IEC 60300-3-11:2009  
Dependability management – Part 3-11: Application guide – Reliability centred maintenance
- IEC 62448  
Multimedia systems and equipment – Multimedia e-publishing and e-books – Generic format for e-publishing

### Europska normizacija

- EN 300753 V 1.2.1  
Equipment Engineering (EE) – Acoustic noise emitted by telecommunications equipment

## 33.060.20 Prijamna i odašiljačka oprema

### Europska normizacija

- EN 300065-2 V 1.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE directive
- EN 300065-3 V 1.2.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Part 3: Harmonized EN covering the essential requirements of article 3.3 (e) of the R&TTE directive
- EN 301489-4 V 1.4.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links, Broadband Data Transmission System Base stations, ancillary equipment and services
- EN 301489-17 V 2.1.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband Data Transmission Systems
- EN 301908-10 V 4.1.1  
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks – Part 10: Harmonized EN for IMT-2000, FDMA/TDMA (DECT) covering essential requirements of article 3.2 of the R&TTE Directive

EN 302264-1 V 1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Road Transport and Traffic Telematics (RTTT) – Short Range Radar equipment operating in the 77 GHz to 81 GHz band – Part 1: Technical requirements and methods of measurement

EN 302264-2 V 1.1.1

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices – Road Transport and Traffic Telematics (RTTT) – Short Range Radar equipment operating in the 77 GHz to 81 GHz band – 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 60728-1-2:2009

Cable networks for television signals, sound signals and interactive services – Part 1-2: Performance requirements for signals delivered at the system outlet in operation

### **33.070.30 Digitalne poboljšane bežične telekomunikacije (DECT)**

#### **Europska normizacija**

EN 300176-2 V 2.1.1

Digital Enhanced Cordless Telecommunications (DECT) – Test specification – Part 2: Audio and speech

EN 300176-1 V 2.1.1

Digital Enhanced Cordless Telecommunications (DECT) – Test specification – Part 1: Radio

EN 301406-2 V 2.1.1

Digital Enhanced Cordless Telecommunications (DECT) – Harmonized EN for Digital Enhanced Cordless Telecommunications (DECT) covering the essential requirements under article 3.2 of the R&TTE Directive – Generic radio

### **33.100.01 Elektromagnetska spojivost općenito**

#### **Europska normizacija**

EN 14010+A1:2009

Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages

EN 55016-1-4/A2:2009

Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Ancillary equipment – Radiated disturbances (CISPR 16-1-4:2007/A2:2008)

### **33.100.10 Zračenje**

#### **Europska normizacija**

EN 55012/A1:2009

Vehicles, boats, and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers (CISPR 12:2007/A1:2009)

EN 55013/IS1:2009

Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement – Interpretation Sheet 1 to EN 55013:2001+A1:2003+A2:2006

EN 55020/IS1:2009

Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement – Interpretation Sheet 1 to EN 55020:2007

EN 55103-1:2009

Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 1: Emissions

### **33.100.20 Neosjetljivost**

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

IEC/TR 61000-4-35:2009

Electromagnetic compatibility (EMC) – Part 4-35: Testing and measurement techniques – HPEM simulator compendium

#### **Europska normizacija**

EN 55103-2:2009

Electromagnetic compatibility – Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use – Part 2: Immunity

### **33.120.10 Suosni kabeli. Valovodi**

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

IEC 61935-1:2009

Specification for testing of balanced and coaxial information technology cabling – Part 1: Installed balanced cabling as specified in ISO/IEC 11801 and related standard

### **33.120.30 RF konektori**

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

IEC 61169-39:2009

Radio-frequency connectors – Part 39: Sectional specification for CQM series quick lock RF connectors

### **33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito**

#### **Europska normizacija**

EN 55013/IS1:2009

Sound and television broadcast receivers and associated equipment – Radio disturbance characteristics – Limits and methods of measurement – Interpretation Sheet 1 to EN 55013:2001+A1:2003+A2:2006

EN 55020/IS1:2009

Sound and television broadcast receivers and associated equipment – Immunity characteristics – Limits and methods of measurement – Interpretation Sheet 1 to EN 55020:2007

### **33.160.30 Audiosustavi**

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

IEC 61606-1:2009

Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 1: General

IEC 61606-2:2009

Audio and audiovisual equipment – Digital audio parts – Basic measurement methods of audio characteristics – Part 2: Consumer use

### **33.170 Televizijski i radijski prijenos**

#### **Europska normizacija**

EN 301790 V 1.5.1

Digital Video Broadcasting (DVB) – Interaction channel for satellite distribution systems

## 33.180.01 Svjetlovodni sustavi općenito

### Međunarodna normizacija (IEC)

- IEC 61280-2-3:2009  
Fibre optic communication subsystem test procedures – Part 2-3: Digital systems – Jitter and wander measurements

## 33.180.10 Svjetlovodna vlakna i kabeli

### Međunarodna normizacija (IEC)

- IEC 61280-4-1:2009  
Fibre-optic communication subsystem test procedures – Part 4-1: Installed cable plant – Multimode attenuation measurement

## 33.180.20 Svjetlovodni vezni uređaji

### Međunarodna normizacija (IEC)

- IEC 61754-15:2009  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 15: Type LSH connector family
- IEC 61754-24-11:2009  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117
- IEC 61754-24-21:2009  
Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 24-21: Type SC-RJ connectors with protective housings based on IEC 61076-3-106, variant 06
- IEC 62134-1:2009  
Fibre optic interconnecting devices and passive components – Fibre optic closures – Part 1: Generic specification
- IEC 61300-2-12:2009  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-12: Tests – Impact
- IEC 62074-1:2009  
Fibre optic interconnecting devices and passive components – Fibre optic WDM devices – Part 1: Generic specification

## 33.180.30 Optička pojačala

### Međunarodna normizacija (IEC)

- IEC 62148-11:2009  
Fibre optic active components and devices – Package and interface standards – Part 11: 14-pin active device modules
- IEC 62149-2:2009  
Fibre optic active components and devices – Performance standards – Part 2: 850 nm discrete vertical cavity surface emitting laser devices
- IEC 62343-5-1:2009  
IEC 62343-5-1, Ed. 1: Dynamic modules – Test methods – Part 5-1: Dynamic gain tilt equalizer – Response time measurement
- IEC/TR 62343-6-2:2009  
Dynamic modules – Part 6-2: Software and hardware interface – Survey results

## 33.180.99 Druga svjetlovodna oprema

### Međunarodna normizacija (IEC)

- IEC 61202-1:2009  
Fibre optic interconnecting devices and passive components – Fibre optic isolators – Part 1: Generic specification

## 35.020 Informacijska tehnika (IT) općenito

### Međunarodna normizacija (IEC)

- IEC 60300-3-11:2009  
Dependability management – Part 3-11: Application guide – Reliability centred maintenance

## 35.040 Skupovi znakova i informacijsko kodiranje

### Međunarodna normizacija (ISO)

- ISO/IEC 11889-1:2009  
Information technology – Trusted Platform Module – Part 1: Overview
- ISO/IEC 11889-2:2009  
Information technology – Trusted Platform Module – Part 2: Design principles
- ISO/IEC 11889-3:2009  
Information technology – Trusted Platform Module – Part 3: Structures
- ISO/IEC 11889-4:2009  
Information technology – Trusted Platform Module – Part 4: Commands
- ISO/IEC 13818-4 AMD 3:2009  
Information technology – Generic coding of moving pictures and associated audio information – Part 4: Conformance testing; Amendment 3: Level for 1080@50p/60p conformance testing
- ISO/IEC 14496-2 AMD 5:2009  
Information technology – Coding of audio-visual objects – Part 2: Visual; Amendment 5: Simple studio profile levels 5 and 6
- ISO/IEC 14496-4 AMD 35:2009  
Information technology – Coding of audio-visual objects – Part 4: Conformance testing; Amendment 35: Simple studio profile levels 5 and 6 conformance testing
- ISO/IEC 14496-5 AMD 19:2009  
Information technology – Coding of audio-visual objects – Part 5: Reference software – Amendment 19: Reference software for Scalable Video Coding
- ISO/IEC 15419:2009  
Information technology – Automatic identification and data capture techniques – Bar code digital imaging and printing performance testing
- ISO/IEC 15444-8 AMD 1-:2008  
Information technology – JPEG 2000 image coding system: Secure JPEG 2000; Amendment 1: File format security
- ISO/IEC 13888-1:2009  
Information technology – Security techniques – Non-reputation – Part 1: General

### Europska normizacija

- EN ISO 6709:2009  
Standard representation of geographic point location by coordinates (ISO 6709:2008, including Cor 1:2009)

## 35.110 Umreživanje

### Međunarodna normizacija (ISO)

- ISO/IEC 12139-1:2009  
Information technology – Telecommunications and information exchange between systems – Powerline communication (PLC) – High speed PLC medium access control (MAC) and physical layer (PHY) – Part 1: General requirements

## 35.140 Računalna grafika

### Međunarodna normizacija (ISO)

ISO/IEC 18026:2009  
Information technology – Spatial Reference Model (SRM)

## 35.180 Terminalna i druga vanjska oprema

### Europska normizacija

CWA 14641:2009  
Security Management System for Security Printing

## 35.200 Sučelna i vezna oprema

### Međunarodna normizacija (ISO)

ISO/IEC 14776-414:2009  
Information technology – Small Computer System Interface (SCSI) – Part 414: SCSI Architecture Model-4 (SAM-4)

## 35.220.30 Optički uređaji za pohranu podataka

### Međunarodna normizacija (ISO)

ISO 11506:2009  
Document management applications – Archiving of electronic data – Computer output microform (COM) / Computer output laser disc (COLD)

ISO/IEC 12862:2009  
Information technology – 120 mm (8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordable disk for dual layer (DVD-R for DL)

ISO/IEC 17341:2009  
Information technology – Data interchange on 120 mm and 80 mm optical disk using +RW format – Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed up to 4X)

ISO/IEC 17344:2009  
Information technology – Data interchange on 120 mm and 80 mm optical disk using +R format – Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed up to 16X)

ISO/IEC 26925:2009  
Information technology – Data interchange on 120 mm and 80 mm optical disk using +RW HS format – Capacity: 4,7 Gbytes and 1,46 Gbytes per side (recording speed 8X)

ISO/IEC 29642:2009  
Information technology – Data interchange on 120 mm and 80 mm optical disk using +RW DL format – Capacity: 8,55 Gbytes and 2,66 Gbytes per side (recording speed 2,4X)

## 35.240.15 Identifikacijske kartice i srodni uređaji

### Međunarodna normizacija (ISO)

ISO/IEC 19784-1 AMD 2:2009  
Information technology – Biometric application programming interface – Part 1: BioAPI specification – Amendment 2: Framework-free BioAPI

## 35.240.50 Primjene IT-a u industriji

### Međunarodna normizacija (ISO)

ISO 23570-3:2009  
Industrial automation systems and integration – Distributed installation in industrial applications – Part 3: Power distribution bus

### Međunarodna normizacija (IEC)

IEC/PAS 62569-1:2009  
Generic specification of information on products – Part 1: Principles and methods

IEC 61987-10:2009  
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 10: Lists of properties (LOPs) for industrial-process measurement and control for electronic data exchange – Fundamentals

IEC 62453-1:2009  
Field device tool (FDT) interface specification – Part 1: Overview and guidance

IEC 62453-2:2009  
Field device tool (FDT) interface specification – Part 2: Concepts and detailed description

IEC 62453-301:2009  
Field device tool (FDT) interface specification – Part 301: Communication profile integration – IEC 61784 CPF 1

IEC 62453-302:2009  
Field device tool (FDT) interface specification – Part 302: Communication profile integration – IEC 61784 CPF 2

IEC 62453-303-1:2009  
IEC 62453-303-1, Ed. 1: Field device tool (FDT) interface specification – Part 303-1: Communication profile integration – IEC 61784 CP 3/1 and CP 3/2

IEC 62453-303-2:2009  
IEC 62453-303-2, Ed. 1: Field device tool (FDT) interface specification – Part 303-2: Communication profile integration – IEC 61784 CP 3/4, CP 3/5 and CP 3/6

IEC 62453-306:2009  
IEC 62453-306, Ed. 1: Field device tool (FDT) interface specification – Part 306: Communication profile integration – IEC 61784 CPF 6

IEC 62453-309:2009  
Field device tool (FDT) interface specification – Part 309: Communication profile integration – IEC 61784 CPF 9

IEC 62453-315:2009  
Field device tool (FDT) interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15

## 35.240.60 Primjene IT-a u prijevozu i trgovini

### Međunarodna normizacija (ISO)

ISO/TR 12859:2009  
Intelligent transport systems – System architecture – Privacy aspects in ITS standards and systems

ISO 24103:2009  
Intelligent transport systems – Communications access for land mobiles (CALM) – Media adapted interface layer (MAIL)

ISO/IEC TR 24729-3:2009  
Information technology – Radio frequency identification for item management – Implementation guidelines – Part 3: Implementation and operation of UHF RFID Interrogator systems in logistics applications

ISO 17572-3 Technical Corrigendum 1:2009  
Intelligent transport systems (ITS) – Location referencing for geographic databases – Part 3: Dynamic location references (dynamic profile); Technical Corrigendum 1

### Europska normizacija

CWA 15992:2009  
Harmonization of data interchange in tourism

CWA 15994:2009  
e-Tendering Process

## 35.240.80 Primjene IT-a u tehnici zaštite zdravlja

### Međunarodna normizacija (ISO)

- ISO/TR 12773-1:2009  
Business requirements for health summary records – Part 1: Requirements
- ISO/TR 12773-2:2009  
Business requirements for health summary records – Part 2: Environmental scan
- ISO/HL7 27931:2009  
Data Exchange Standards – Health Level Seven Version 2.5 – An application protocol for electronic data exchange in healthcare environments

## 35.240.99 Primjene IT-a u drugim područjima

### Međunarodna normizacija (IEC)

- IEC 62386-101:2009  
Digital addressable lighting interface – Part 101: General requirements – System
- IEC 62386-102:2009  
Digital addressable lighting interface – Part 102: General requirements – Control gear
- IEC 62386-201:2009  
Digital addressable lighting interface – Part 201: Particular requirements for control gear – Fluorescent lamps (device type 0)
- IEC 62386-202:2009  
Digital addressable lighting interface – Part 202: Particular requirements for control gear – Self-contained emergency lighting (device type 1)
- IEC 62386-203:2009  
Digital addressable lighting interface – Part 203: Particular requirements for control gear – Discharge lamps (excluding fluorescent lamps) (device type 2)
- IEC 62386-204:2009  
Digital addressable lighting interface – Part 204: Particular requirements for control gear – Low voltage halogen lamps (device type 3)
- IEC 62386-205:2009  
Digital addressable lighting interface – Part 205: Particular requirements for control gear – Supply voltage controller for incandescent lamps (device type 4)
- IEC 62386-206:2009  
Digital addressable lighting interface – Part 206: Particular requirements for control gear – Conversion from digital signal into d.c. voltage (device type 5)
- IEC 62386-208:2009  
Digital addressable lighting interface – Part 208: Particular requirements for control gear – Switching function (device type 7)

## 37.080 Primjene u preslikavanju dokumenata

### Međunarodna normizacija (ISO)

- ISO 3272-1 Technical Corrigendum 1:2009  
Microfilming of technical drawings and other drawing office documents – Part 1: Operating procedures; Technical Corrigendum 1
- ISO 11506:2009  
Document management applications – Archiving of electronic data – Computer output microform (COM) / Computer output laser disc (COLD)

## 37.100.10 Oprema za umnožavanje

### Međunarodna normizacija (ISO)

- ISO/IEC 24735 Technical Corrigendum 1:2009  
Information technology – Office equipment – Method for measuring digital copying productivity; Technical Corrigendum 1

### Europska normizacija

- CWA 14641:2009  
Security Management System for Security Printing

## 39.060 Nakit

### Europska normizacija

- EN 12472+A1:2009  
Method for the simulation of wear and corrosion for the detection of nickel release from coated items

## 43.020 Cestovna vozila općenito

### Međunarodna normizacija (ISO)

- ISO 362-2:2009  
Measurement of noise emitted by accelerating road vehicles – Engineering method – Part 2: L category

## 43.040.15 Informatika automobila. Računalni sustavi na vozilu

### Međunarodna normizacija (ISO)

- ISO 22900-3:2009  
Road vehicles – Modular vehicle communication interface (MVCi) – Part 3: Diagnostic server application programming interface (D-Server API)

## 43.040.40 Sustavi kočenja

### Međunarodna normizacija (ISO)

- ISO 6310:2009  
Road vehicles – Brake linings – Compressive strain test methods
- ISO 26867:2009  
Road vehicles – Brake lining friction materials – Friction behaviour assessment for automotive brake systems

## 43.040.80 Sigurnosna oprema i sustavi sigurnosnih pojaseva

### Međunarodna normizacija (ISO)

- ISO 26021-5:2009  
Road vehicles – End-of-life activation of on-board pyrotechnic devices – Part 5: Additional communication line with pulse width modulated signal

## 43.060.01 Motori s unutrašnjim izgaranjem za cestovna vozila općenito

### Europska normizacija

- EN 55012/A1:2009  
Vehicles, boats, and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers (CISPR 12:2007/A1:2009)

## 43.060.50 Električna oprema. Upravljački sustavi

### Međunarodna normizacija (ISO)

ISO 28741:2009  
Road vehicles – Spark-plugs and their cylinder head housings  
– Basic characteristics and dimensions

## 43.160 Vozila za posebne namjene

### Europska normizacija

EN 15583-1:2009  
Winter maintenance equipment – Snow ploughs – Part 1:  
Product description and requirements

## 47.020.01 Brodogradnja i pomorske konstrukcije. Općenito

### Međunarodna normizacija (ISO)

ISO/PAS 30002:2009  
Ships and marine technology – Ship recycling management  
systems – Guidelines for selection of ship recyclers (and pro  
forma contract)

## 47.020.10 Trupovi i njihovi sastavni elementi

### Međunarodna normizacija (ISO)

ISO 12217-1 AMD 1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 1: Non-sailing boats of hull length  
greater than or equal to 6 m; Amendment 1

ISO 12217-3 AMD 1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 3: Boats of hull length less than 6 m;  
Amendment 1

### Europska normizacija

EN ISO 12217-1/A1:2009  
Small craft – Stability and buoyancy assessment  
and categorization – Part 1: Non-sailing boats of hull  
length greater than or equal to 6 m – Amendment 1  
(ISO 12217-1:2002/Amd 1:2009)

EN ISO 12217-3/A1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 3: Boats of hull length less than 6 m  
– Amendment 1 (ISO 12217-3:2002/Amd 1:2009)

## 47.020.20 Brodski mostovi i propulzijski sustavi

### Europska normizacija

EN 55012/A1:2009  
Vehicles, boats, and internal combustion engines – Radio  
disturbance characteristics – Limits and methods of  
measurement for the protection of off-board receivers  
(CISPR 12:2007/A1:2009)

## 47.020.30 Cjevovodni sustav

### Međunarodna normizacija (ISO)

ISO 28521:2009  
Ships and marine technology – Hydraulic oil systems –  
Guidance for grades of cleanliness and flushing

## 47.020.60 Električna oprema brodova i pomorskih konstrukcija

### Međunarodna normizacija (ISO)

IEC/PAS 60092-510:2009  
Electrical installations in ships – Part 510: Special features  
– High-voltage shore connection systems

### Međunarodna normizacija (IEC)

IEC/TR 60092-370:2009  
Electrical installations in ships – Part 370: Guidance on the  
selection of cables for telecommunication and data transfer  
including radio-frequency cables

## 47.020.70 Oprema za navigaciju i upravljanje

### Međunarodna normizacija (ISO)

ISO 8729-2:2009  
Ships and marine technology – Marine radar reflectors –  
Part 2: Active type

## 47.080 Mali plovni objekti

### Međunarodna normizacija (ISO)

ISO 10862:2009  
Small craft – Quick release system for trapeze harness

ISO 12217-1 AMD 1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 1: Non-sailing boats of hull length  
greater than or equal to 6 m; Amendment 1

ISO 12217-3 AMD 1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 3: Boats of hull length less than 6 m;  
Amendment 1

ISO 9650-3:2007  
Small craft – Inflatable liferafts – Part 3: Materials

### Europska normizacija

EN ISO 10862:2009  
Small craft – Quick release system for trapeze harness  
(ISO 10862:2009)

EN ISO 12217-1/A1:2009  
Small craft – Stability and buoyancy assessment  
and categorization – Part 1: Non-sailing boats of hull  
length greater than or equal to 6 m – Amendment 1  
(ISO 12217-1:2002/Amd 1:2009)

EN ISO 12217-3/A1:2009  
Small craft – Stability and buoyancy assessment and  
categorization – Part 3: Boats of hull length less than 6 m  
– Amendment 1 (ISO 12217-3:2002/Amd 1:2009)

## 49.030.20 Klinovi, vijci, podloške

### Europska normizacija

EN 4636:2009  
Aerospace series – Screws, 100° countersunk head, six  
lobe recess, short thread, in titanium alloy Ti-P64001, with  
aluminium pigmented coating – Classification: 1100 MPa  
(at ambient temperature) / 315 °C

EN 3613:2009  
Aerospace series – Bolts, normal hexagonal head, relieved  
shank, long thread, in heat resisting nickel base alloy  
NI-PH2601 (Inconel 718), silver plated – Classification:  
1275 MPa / 650 °C

EN 4074:2009  
Aerospace series – Screws, pan head, six lobe recess, coarse  
tolerance normal shank, medium length thread, in titanium  
alloy, aluminium IVD coated – Classification: 1100 MPa  
(at ambient temperature) / 425 °C

EN 4127:2009  
Aerospace series – Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated – Classification: 1100 MPa (at ambient temperature) / 425 °C

EN 4128:2009  
Aerospace series – Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in heat resisting nickel base alloy, aluminium IVD coated – Classification: 1250 MPa (at ambient temperature) / 425 °C

EN 4135:2009  
Aerospace series – Bolts, normal bi-hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature) / 315 °C

EN 4136:2009  
Aerospace series – Bolts, normal bi-hexagonal head, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated – Classification: 1100 MPa (at ambient temperature) / 235 °C

EN 4137:2009  
Aerospace series – Bolts, normal bi-hexagonal head, stepped shank, long thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature) / 315 °C

EN 4634:2009  
Aerospace series – Screws, 100° countersunk head, six lobe recess, short thread, in heat resisting steel FE-PA2601 (A286), passivated – Classification: 900 MPa (at ambient temperature) / 650 °C

EN 4635:2009  
Aerospace series – Screws, 100° countersunk head, six lobe recess, short thread, in heat resisting nickel base alloy NI-PH2601 (Inconel 718) – Classification: 1270 MPa (at ambient temperature) / 650 °C

## 49.030.30 Matice

### Europska normizacija

EN 2883:2009  
Aerospace series – Nuts, hexagonal, self-locking, with counterbore and captive washer, in heat resisting steel, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature) / 315 °C

## 49.035 Sastavnice za zrakoplovne konstrukcije

### Europska normizacija

EN 4534-2:2009  
Aerospace series – Bushes, plain in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series

EN 4535-2:2009  
Aerospace series – Bushes, flanged in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series

EN 4537-2:2009  
Aerospace series – Bushes, flanged in corrosion-resisting steel with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series

EN 4613:2009  
Aerospace series – Spherical plain bearings in corrosion resisting steel with self-lubricating liner, narrow series – Dimensions and loads – Inch series

EN 4614:2009  
Aerospace series – Spherical plain bearings in corrosion resisting steel with self-lubricating liner, wide series – Dimensions and loads – Inch series

EN 2755:2009  
Aerospace series – Bearings, spherical plain in corrosion resisting steel with self-lubricating liner – Elevated load at ambient temperature – Technical specification

EN 4536-2:2009  
Aerospace series – Bushes, plain in corrosion resisting steel with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series

## 49.040 Premazivanje i srodni procesi koji se upotrebljavaju u zrakoplovnoj industriji

### Europska normizacija

EN 4474:2009  
Aerospace series – Aluminium pigmented coatings – Coating methods

## 49.060 Zrakoplovna električna oprema i sustavi

### Europska normizacija

EN 4199-005:2009  
Aerospace series – Bonding straps for aircraft – Part 005: Flat braid conductors copper, tin plated -65 °C up to 150 °C and copper, nickel plated, -65 °C up to 260 °C – Product standard

EN 2854-002:2009  
Aerospace series – Cables, electrical for general purpose – Cross sections equal to and greater than 9 mm<sup>2</sup> – Operating temperatures between -55 °C and 260 °C – Part 002: General

## 49.080 Zrakoplovni fluidički sustavi i sastavnice

### Međunarodna normizacija (ISO)

ISO 8153-1:2009  
Aerospace fluid systems and components – Vocabulary – Part 1: Hose assemblies

### Europska normizacija

EN 4018:2009  
Aerospace series – Pipe coupling 8° 30' in titanium alloy – Elbows 90° with thrust wire nut

EN 4020:2009  
Aerospace series – Pipe coupling 8° 30' in titanium alloy – Elbows 90°, welded end with thrust wire nut

EN 4024:2009  
Aerospace series – Pipe coupling 8° 30' in titanium alloy – Elbows 45° welded end with thrust wire nut

## 53.020.20 Dizalice

### Međunarodna normizacija (ISO)

ISO 4310:2009  
Cranes – Test code and procedures

### Europska normizacija

EN 13001-2+A3:2009  
Crane safety – General design – Part 2: Load effects

## 53.020.99 Druga oprema za dizanje

### Međunarodna normizacija (ISO)

ISO 20381:2009  
Mobile elevating work platforms – Symbols for operator controls and other displays



## Europska normizacija

- EN 1495+A2:2009  
Lifting platforms – Mast climbing work platforms
- EN 1570+A2:2009  
Safety requirements for lifting tables
- EN 1756-2+A1:2009  
Tail lifts – Platform lifts for mounting on wheeled vehicles – Safety requirements – Part 2: Tail lifts for passengers
- EN 14010+A1:2009  
Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages

## 53.060 Industrijski kamioni

### Europska normizacija

- EN 1755+A1:2009  
Safety of industrial trucks – Operation in potentially explosive atmospheres – Use in flammable gas, vapour, mist and dust

## 53.080 Skladišna oprema

### Europska normizacija

- EN 14010+A1:2009  
Safety of machinery – Equipment for power driven parking of motor vehicles – Safety and EMC requirements for design, manufacturing, erection and commissioning stages

## 53.100 Strojevi za zemljane radove

### Međunarodna normizacija (ISO)

- ISO 10262 Technical Corrigendum 1:2009  
Earth-moving machinery – Hydraulic excavators – Laboratory tests and performance requirements for operator protective guards; Technical Corrigendum 1

### Europska normizacija

- EN ISO 7096/AC:2009  
Earth-moving machinery – Laboratory evaluation of operator seat vibration (ISO 7096:2000)

## 55.060 Cijevke. Svitci

### Međunarodna normizacija (IEC)

- IEC 60264-4-1 Edition 2.1:2009  
Packaging of winding wires – Part 4-1: Methods of test – Delivery spools made from thermoplastic materials

## 55.120 Limenke. Konzerve. Tube

### Europska normizacija

- EN 12374:2009  
Packaging – Flexible tubes – Terminology

## 55.180.20 Palete opće namjene

### Europska normizacija

- EN 13698-2:2009  
Pallet production specification – Part 2: Construction specification for 1000 mm x 1200 mm flat wooden pallets

## 59.080.30 Tekstilni proizvodi

### Međunarodna normizacija (ISO)

- ISO 9867:2009  
Textiles – Evaluation of the wrinkle recovery of fabrics – Appearance method

## 59.100.01 Gradiva za pojačanje mješavina općenito

### Međunarodna normizacija (ISO)

- ISO 1890:2009  
Reinforcement yarns – Determination of twist
- ISO 1889:2009  
Reinforcement yarns – Determination of linear density

### Europska normizacija

- EN ISO 1890:2009  
Reinforcement yarns – Determination of twist (ISO 1890:2009)
- EN ISO 1889:2009  
Reinforcement yarns – Determination of linear density (ISO 1889:2009)

## 59.120.01 Tekstilni strojevi općenito

### Međunarodna normizacija (ISO)

- ISO 11111-1:-2009  
Textile machinery – Safety requirements – Part 1: Common requirements

## 59.120.10 Strojevi za predenje, pletenje i tkanje

### Međunarodna normizacija (ISO)

- ISO 11111-2 AMD 1:2009  
Textile machinery – Safety requirements – Part 2: Spinning preparatory and spinning machines; Amendment 1
- ISO 11111-4 AMD 1:2009  
Textile machinery – Safety requirements – Part 4: Yarn processing, cordage and rope manufacturing machinery; Amendment 1

## 59.120.20 Strojevi i oprema za namotavanje

### Međunarodna normizacija (ISO)

- ISO 11111-4 AMD 1:2009  
Textile machinery – Safety requirements – Part 4: Yarn processing, cordage and rope manufacturing machinery; Amendment 1

## 59.120.30 Tkalački stanovi. Automatski tkalački stanovi

### Međunarodna normizacija (ISO)

- ISO 11111-5 AMD 1:2009  
Textile machinery – Safety requirements – Part 5: Preparatory machinery to weaving and knitting; Amendment 1
- ISO 11111-6 AMD 1:2009  
Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery; Amendment 1

## 59.120.40 Strojevi za pletenje

EN 14017+A2:2009

Agricultural and forestry machinery – Solid fertilizer distributors – Safety

### Međunarodna normizacija (ISO)

ISO 11111-5 AMD 1:2009

Textile machinery – Safety requirements – Part 5: Preparatory machinery to weaving and knitting; Amendment 1

ISO 11111-6 AMD 1:2009

Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery; Amendment 1

## 59.120.50 Oprema za bojenje i dotjerivanje

### Međunarodna normizacija (ISO)

ISO 11111-7 AMD 1:2009

Textile machinery – Safety requirements – Part 5: Dyeing and finishing machinery; Amendment 1

## 59.120.99 Drugi tekstilni strojevi

### Međunarodna normizacija (ISO)

ISO 11111-3 AMD 1:2009

Textile machinery – Safety requirements – Part 5: Nonwoven machinery; Amendment 1

ISO 11111-6 AMD 1:2009

Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery; Amendment 1

## 61.020 Odjeća

### Europska normizacija

EN ISO 9920:2009

Ergonomics of the thermal environment – Estimation of thermal insulation and water vapour resistance of a clothing ensemble (ISO 9920:2007, Corrected version 2008-11-01)

## 65.060.01 Poljoprivredni strojevi i oprema općenito

### Europska normizacija

EN 12965+A2:2009

Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety

## 65.060.10 Poljoprivredni traktori i priključna vozila

### Međunarodna normizacija (ISO)

ISO 3776-3:2009

Tractors and machinery for agriculture – Seat belts – Part 3: Requirements for assemblies

### Europska normizacija

EN 15694:2009

Agricultural and forestry tractors – Passenger seat – Requirements and test procedures

## 65.060.25 Oprema za skladištenje, pripremu i raspodjelu gnojiva

### Europska normizacija

EN 690+A1:2009

Agricultural machinery – Manure spreaders – Safety

EN 707+A1:2009

Agricultural machinery – Slurry tankers – Safety

## 65.060.35 Oprema za navodnjavanje i isušivanje

### Europska normizacija

EN 908+A1:2009

Agricultural and forestry machinery – Reel machines for irrigation – Safety

EN 909+A1:2009

Agricultural and forestry machinery – Centre pivot and moving lateral types irrigation machines – Safety

## 65.060.50 Oprema za žetvu

### Europska normizacija

EN 704+A1:2009

Agricultural machinery – Pick-up balers – Safety

EN 706+A1:2009

Agricultural machinery – Vine shoot tipping machines – Safety

EN 745+A1:2009

Agricultural machinery – Rotary mowers and flail-mowers – Safety

EN 13118+A1:2009

Agricultural machinery – Potato harvesting equipment – Safety

## 65.060.70 Oprema za vrtlarstvo

### Međunarodna normizacija (ISO)

ISO 10517:2009

Powered hand-held hedge trimmers – Safety

### Europska normizacija

EN 13684+A2:2009

Garden equipment – Pedestrian controlled lawn aerators and scarifiers – Safety

EN ISO 10517:2009

Powered hand-held hedge trimmers – Safety (ISO 10517:2009)

## 65.060.80 Oprema za šumarstvo

### Međunarodna normizacija (IEC)

IEC 60745-2-15 Edition 2.1:2009

Hand-held motor-operated electric tools – Safety – Part 2-15: Particular requirements for hedge trimmers

## 65.060.99 Drugi poljoprivredni strojevi i oprema

### Europska normizacija

EN 703+A1:2009

Agricultural machinery – Silage loading, mixing and/or chopping and distributing machines – Safety

## 65.120 Tvari za hranidbu životinja

### Međunarodna normizacija (ISO)

ISO 5983-2:2009  
Animal feeding stuffs – Determination of nitrogen content and calculation of crude protein content – Part 2: Block digestion and steam distillation method

ISO 30024:2009  
Animal feeding stuffs – Determination of phytase activity

### Europska normizacija

EN ISO 5983-2:2009  
Animal feeding stuffs – Determination of nitrogen content and calculation of crude protein content – Part 2: Block digestion and steam distillation method (ISO 5983-2:2009)

EN ISO 30024:2009  
Animal feeding stuffs – Determination of phytase activity (ISO 30024:2009)

## 67.020 Procesi u prehrambenoj industriji

### Međunarodna normizacija (ISO)

ISO/ASTM 51900:2009  
Guide for dosimetry in radiation research on food and agricultural products

## 67.050 Opće metode za ispitivanje i analizu prehrambenih proizvoda

### Europska normizacija

EN 15607:2009  
Foodstuffs – Determination of d-biotin by HPLC

EN 15652:2009  
Foodstuffs – Determination of niacin by HPLC

EN 13751:2009  
Foodstuffs – Detection of irradiated food using photostimulated luminescence

## 67.100.01 Mlijeko i mliječni proizvodi općenito

### Međunarodna normizacija (ISO)

ISO 26323:2009  
Milk products – Determination of the acidification activity of dairy cultures by continuous pH measurement (CpH)

## 67.140.20 Kava i nadomjestci za kavu

### Europska normizacija

EN 14132:2009  
Foodstuffs – Determination of ochratoxin A in barley and roasted coffee – HPLC method with immunoaffinity column clean-up

## 67.160.10 Alkoholna pića

### Europska normizacija

EN 14133:2009  
Foodstuffs – Determination of ochratoxin A in wine and beer – HPLC method with immunoaffinity column clean-up

## 67.200.10 Životinjske i biljne masti i ulja

### Međunarodna normizacija (ISO)

ISO 660:2009  
Animal and vegetable fats and oils – Determination of acid value and acidity

### Europska normizacija

EN ISO 660:2009  
Animal and vegetable fats and oils – Determination of acid value and acidity (ISO 660:2009)

## 67.200.20 Uljarice

### Međunarodna normizacija (ISO)

ISO 659:2009  
Oilseeds – Determination of oil content (Reference method)

## 67.220.10 Mirodije i začini

### Međunarodna normizacija (ISO)

ISO 6465:2009  
Spices – Cumin (Cuminum cyminum L.) – Specification

### Europska normizacija

EN ISO 676:2009  
Spices and condiments – Botanical nomenclature (ISO 676:1995, including Cor 1:1997)

EN ISO 948:2009  
Spices and condiments – Sampling (ISO 948:1980)

EN ISO 6465:2009  
Spices – Cumin (Cuminum cyminum L.) – Specification (ISO 6465:2009)

EN ISO 6571:2009  
Spices, condiments and herbs – Determination of volatile oil content (hydrodistillation method) (ISO 6571:2008)

## 67.240 Osjetilna analiza

### Europska normizacija

EN ISO 5492:2009  
Sensory analysis – Vocabulary (ISO 5492:2008)

## 71.040.30 Kemijski reagensi

### Europska normizacija

CEN/TR 10317:2009  
European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products prepared under the auspices of the European Committee for Iron and Steel Standardization

## 71.040.40 Kemijska analiza

### Međunarodna normizacija (ISO)

ISO 6142 AMD 1:2009  
Gas analysis – Preparation of calibration gas mixtures – Gravimetric method; Amendment 1: Liquid introduction

## 71.100.10 Gradiva za proizvodnju aluminija

### Međunarodna normizacija (ISO)

- ISO 12986-2:2009  
Carbonaceous materials used in the production of aluminium – Prebaked anodes and cathode blocks – Part 2: Determination of flexural strength by the four-point method

## 71.100.70 Kozmetika. Drogerijska roba

### Europska normizacija

- EN ISO 18416:2009  
Cosmetics – Microbiology – Detection of *Candida albicans* (ISO 18416:2007)
- EN ISO 21148:2009  
Cosmetics – Microbiology – General instructions for microbiological examination (ISO 21148:2005)
- EN ISO 21149:2009  
Cosmetics – Microbiology – Enumeration and detection of aerobic mesophilic bacteria (ISO 21149:2006)
- EN ISO 21150:2009  
Cosmetics – Microbiology – Detection of *Escherichia coli* (ISO 21150:2006)
- EN ISO 22717:2009  
Cosmetics – Microbiology – Detection of *Pseudomonas aeruginosa* (ISO 22717:2006)
- EN ISO 22718:2009  
Cosmetics – Microbiology – Detection of *Staphylococcus aureus* (ISO 22718:2006)

## 71.100.80 Kemikalije za pročišćivanje vode

### Europska normizacija

- EN 937:2009  
Chemicals used for treatment of water intended for human consumption – Chlorine

## 73.060.10 Željezne rude

### Međunarodna normizacija (ISO)

- ISO 3082:2009  
Iron ores – Sampling and sample preparation procedure
- ISO 4691:2009  
Iron ores – Determination of titanium – Diantiprylmethane spectrophotometric method
- ISO 9682-1:2009  
Iron ores – Determination of manganese content – Part 1: Flame atomic absorption spectrometric method
- ISO 9683-2:2009  
Iron ores – Determination of vanadium – Part 2: Flame atomic absorption spectrometric methods
- ISO 11533:2009  
Iron ores – Determination of cobalt – Flame atomic absorption spectrometric method

## 75.060 Prirodni plin

### Europska normizacija

- EN ISO 6326-1:2009  
Natural gas – Determination of sulfur compounds – Part 1: General introduction (ISO 6326-1:2007)

## 75.160.10 Kruta goriva

### Međunarodna normizacija (ISO)

- ISO 1928:2009  
Solid mineral fuels – Determination of gross calorific value by the bomb calorimetric method and calculation of net calorific value

## 75.160.20 Ukapljena goriva

### Europska normizacija

- EN 15751:2009  
Automotive fuels – Fatty acid methyl ester (FAME) fuel and blends with diesel fuel – Determination of oxidation stability by accelerated oxidation method

## 75.180.10 Oprema za iskorištavanje i vađenje

### Međunarodna normizacija (ISO)

- ISO 17078-2 Technical Corrigendum 1:2009  
Petroleum and natural gas industries – Drilling and production equipment – Part 2: Flow-control devices for side-pocket mandrels; Technical Corrigendum 1
- ISO 13500 Technical Corrigendum 1:2009  
Petroleum and natural gas industries – Drilling fluid materials – Specifications and tests; Technical Corrigendum 1

## 75.200 Naftni proizvodi i oprema za rukovanje prirodnim plinom

### Međunarodna normizacija (ISO)

- ISO 13623:2009  
Petroleum and natural gas industries – Pipeline transportation systems
- ISO 14723:2009  
Petroleum and natural gas industries – Pipeline transportation systems – Subsea pipeline valves

### Europska normizacija

- EN 13617-1+A1:2009  
Petrol filling stations – Part 1: Safety requirements for construction and performance of metering pumps, dispensers and remote pumping units
- EN ISO 14723:2009  
Petroleum and natural gas industries – Pipeline transportation systems – Subsea pipeline valves (ISO 14723:2009)

## 77.040.10 Mehaničko ispitivanje kovina

### Međunarodna normizacija (ISO)

- ISO 204:2009  
Metallic materials – Uniaxial creep testing in tension – Method of test
- ISO 16630:2009  
Metallic materials – Sheet and strip – Hole expanding test
- ISO 28079:2009  
Hardmetals – Palmqvist toughness test

### Europska normizacija

- EN ISO 204:2009  
Metallic materials – Uniaxial creep testing in tension – Method of test (ISO 204:2009)

## 77.140.10 Čelici koji se mogu toplinski obrađivati

### Europska normizacija

- EN 10225:2009  
Weldable structural steels for fixed offshore structures – Technical delivery conditions
- EN 10238:2009  
Automatically blast-cleaned and automatically prefabrication primed structural steel products

## 77.140.20 Čelici visoke kakvoće

### Međunarodna normizacija (ISO)

- ISO 9444-1:2009  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 1: Narrow strip and cut lengths
- ISO 9444-2:2009  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and sheet/plate

## 77.140.30 Čelici za tlačne svrhe

### Europska normizacija

- 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 10028-3:2009  
Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized
- EN 10028-4:2009  
Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties
- EN 10028-5:2009  
Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled
- EN 10028-6:2009  
Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered

## 77.140.50 Proizvodi i poluproizvodi od ravnog čelika

### Međunarodna normizacija (ISO)

- ISO 9444-1:2009  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 1: Narrow strip and cut lengths
- ISO 9444-2:2009  
Continuously hot-rolled stainless steel – Tolerances on dimensions and form – Part 2: Wide strip and sheet/plate

### Europska normizacija

- 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 10028-3:2009  
Flat products made of steels for pressure purposes – Part 3: Weldable fine grain steels, normalized
- EN 10028-4:2009  
Flat products made of steels for pressure purposes – Part 4: Nickel alloy steels with specified low temperature properties
- EN 10028-5:2009  
Flat products made of steels for pressure purposes – Part 5: Weldable fine grain steels, thermomechanically rolled
- EN 10028-6:2009  
Flat products made of steels for pressure purposes – Part 6: Weldable fine grain steels, quenched and tempered

## 77.150.10 Aluminijski proizvodi

### Europska normizacija

- EN 14121:2009  
Aluminium and aluminium alloys – Sheet, strip and plate for electrotechnical applications
- CEN/TR 10317:2009  
European certified reference materials (EURONORM-CRMs) for the determination of the chemical composition of iron and steel products prepared under the auspices of the European Committee for Iron and Steel Standardization

## 77.160 Metalurgija praha

### Međunarodna normizacija (ISO)

- ISO 28079:2009  
Hardmetals – Palmqvist toughness test

## 79.060.01 Ploče s drvenom osnovom općenito

### Međunarodna normizacija (ISO)

- ISO 27528:2009  
Wood-based panels – Determination of resistance to axial withdrawal of screws

## 79.060.20 Ploče vlaknatice i ploče iverice

### Međunarodna normizacija (ISO)

- ISO 27769-1:2009  
Wood-based panels – Wet-process fibreboard – Part 1: Classifications
- ISO 27769-2:2009  
Wood-based panels – Wet-process fibreboard – Part 2: Requirements

## 79.080 Drveni poluproizvodi

### Europska normizacija

- EN 13226:2009  
Wood flooring – Solid parquet elements with grooves and/or tongues

## 79.120.10 Strojevi za obradbu drveta

### Europska normizacija

- EN 1218-2+A1:2009  
Safety of woodworking machines – Tenoning machines – Part 2: Double end tenoning and/or profiling machines fed by chain or chains
- EN 1218-3+A1:2009  
Safety of woodworking machines – Tenoning machines – Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers
- EN 1218-4+A2:2009  
Safety of woodworking machines – Tenoning machines – Part 4: Edge banding machines fed by chain(s)

## 81.060.30 Keramika

### Međunarodna normizacija (ISO)

- ISO 27447:2009  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for antibacterial activity of semiconducting photocatalytic materials

ISO 27448:2009

Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for self-cleaning performance of semiconducting photocatalytic materials – Measurement of water contact angle

## Europska normizacija

EN 623-5:2009

Advanced technical ceramics – Monolithic ceramics – General and textural properties – Part 5: Determination of phase volume fraction by evaluation of micrographs

EN 820-4:2009

Advanced technical ceramics – Thermomechanical properties of monolithic ceramics – Part 4: Determination of flexural creep deformation at elevated temperatures

EN 820-5:2009

Advanced technical ceramics – Thermomechanical properties of monolithic ceramics – Part 5: Determination of elastic moduli at elevated temperatures

EN 1006:2009

Advanced technical ceramics – Monolithic ceramics – Guidance on the selection of test pieces for the evaluation of properties

EN 1071-9:2009

Advanced technical ceramics – Methods of test for ceramic coatings – Part 9: Determination of fracture strain

EN 1071-10:2009

Advanced technical ceramics – Methods of test for ceramic coatings – Part 10: Determination of coating thickness by cross sectioning

## 81.100 Oprema za industriju stakla i keramike

### Europska normizacija

EN 13042-2+A1:2009

Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 2: Handling machines for feeding

EN 13042-5+A1:2009

Machines and plants for the manufacture, treatment and processing of hollow glass – Safety requirements – Part 5: Presses

## 83.040.10 Lateks i sirova guma

### Međunarodna normizacija (ISO)

ISO 1629 AMD 1 Technical Corrigendum 1:2009

Rubber and latices – Nomenclature; Amendment 1; Technical Corrigendum 1

## 83.040.20 Sastojci gume

### Međunarodna normizacija (ISO)

ISO 6209:2009

Rubber compounding ingredients – Carbon black – Determination of solvent-extractable material

## 83.060 Guma

### Međunarodna normizacija (ISO)

ISO 1407:2009

Rubber – Determination of solvent extract

ISO 1629 AMD 1 Technical Corrigendum 1:2009

Rubber and latices – Nomenclature; Amendment 1; Technical Corrigendum 1

## 83.080.01 Plastika općenito

### Međunarodna normizacija (ISO)

ISO 877-1:2009

Plastics – Methods of exposure to solar radiation – Part 1: General guidance

ISO 877-2:2009

Plastics – Methods of exposure to solar radiation – Part 2: Direct weathering and exposure behind window glass

ISO 877-3:2009

Plastics – Methods of exposure to solar radiation – Part 3: Intensified weathering using concentrated solar radiation

ISO 14853 Technical Corrigendum 1:2009

Plastics – Determination of the ultimate anaerobic biodegradation of plastic materials in an aqueous system – Method by measurement of biogas production; Technical Corrigendum 1

ISO 14855-1 Technical Corrigendum 1:2009

Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions – Method by analysis of evolved carbon dioxide – Part 1: General method; Technical Corrigendum 1

ISO 22007-1:2009

Plastics – Determination of thermal conductivity and thermal diffusivity – Part 1: General principles

ISO 25762:2009

Plastics – Guidance on the assessment of the fire characteristics and fire performance of fibre-reinforced polymer composites

ISO 4892-2 AMD 1:2009

Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps; Amendment 1

ISO 9370:2009

Plastics – Instrumental determination of radiant exposure in weathering tests – General guidance and basic test method

### Europska normizacija

EN ISO 14855-2:2009

Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions – Method by analysis of evolved carbon dioxide – Part 2: Gravimetric measurement of carbon dioxide evolved in a laboratory-scale test (ISO 14855-2:2007, including Cor 1:2009)

EN ISO 22088-5:2009

Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 5: Constant tensile deformation method (ISO 22088-5:2006)

EN ISO 22088-6:2009

Plastics – Determination of resistance to environmental stress cracking (ESC) – Part 6: Slow strain rate method (ISO 22088-6:2006)

EN ISO 4892-2/A1:2009

Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps – Amendment 1 (ISO 4892-2:2006/ Amd 1:2009)

EN ISO 15512:2009

Plastics – Determination of water content (ISO 15512:2008)

## 83.100 Porasta gradiva

### Europska normizacija

EN ISO 844:2009

Rigid cellular plastics – Determination of compression properties (ISO 844:2007)

EN ISO 845:2009

Cellular plastics and rubbers – Determination of apparent density (ISO 845:2006)

## 83.120 Armirana plastika

### Međunarodna normizacija (ISO)

ISO 527-5:2009  
Plastics – Determination of tensile properties – Part 5:  
Test conditions for unidirectional fibre-reinforced plastic  
composites

### Europska normizacija

EN ISO 527-5:2009  
Plastics – Determination of tensile properties – Part 5:  
Test conditions for unidirectional fibre-reinforced plastic  
composites (ISO 527-5:2009)

## 83.140.99 Drugi gumeni i plastični proizvodi

### Europska normizacija

EN 12613:2009  
Plastics warning devices for underground cables and  
pipelines with visual characteristics

## 83.160.01 Gume za vozila općenito

### Međunarodna normizacija (ISO)

ISO 17832:2009  
Non-parallel steel wire and cords for tyre reinforcement

ISO 28580:2009  
Passenger car, truck and bus tyres – Methods of measuring  
rolling resistance – Single point test and correlation of  
measurement results

## 83.180 Adhezivi

### Europska normizacija

EN 12808-4:2009  
Grouts for tiles – Part 4: Determination of shrinkage

## 83.200 Oprema za industriju gume i plastike

### Europska normizacija

EN 422:2009  
Plastics and rubber machines – Blow moulding machines  
– Safety requirements

## 85.060 Papir i karton

### Međunarodna normizacija (ISO)

ISO 287:2009  
Paper and board – Determination of moisture content of a lot  
– Oven-drying method

ISO 5630-6:2009  
Paper and board – Accelerated ageing – Part 6: Exposure to  
atmospheric pollution (nitrogen dioxide)

### Europska normizacija

EN ISO 287:2009  
Paper and board – Determination of moisture content of a lot  
– Oven-drying method (ISO 287:2009)

## 91.010.30 Tehnički aspekti

### Međunarodna normizacija (ISO)

ISO 4354:2009  
Wind actions on structures

### Europska normizacija

EN 1999-1-1/A1:2009  
Eurocode 9: Design of aluminium structures – Part 1-1:  
General structural rules

## 91.040.20 Građevine za trgovinu i industriju

### Europska normizacija

CEN/TR 14383-7:2009  
Prevention of crime – Urban planning and building design –  
Part 7: Design and management of public transport facilities

## 91.060.40 Dimnjaci, okna, kanali

### Europska normizacija

EN 1856-1:2009  
Chimneys – Requirements for metal chimneys – Part 1:  
System chimney products

EN 1856-2:2009  
Chimneys – Requirements for metal chimneys – Part 2: Metal  
flue liners and connecting flue pipes

EN 1859:2009  
Chimneys – Metal chimneys – Test methods

## 91.060.50 Vrata i prozori

### Europska normizacija

EN 12978+A1:2009  
Industrial, commercial and garage doors and gates – Safety  
devices for power operated doors and gates – Requirements  
and test methods

EN 60335-2-103/A11:2009  
Household and similar electrical appliances – Safety – Part  
2-103: Particular requirements for drives for gates, doors and  
windows

## 91.080.10 Kovinske konstrukcije

### Europska normizacija

EN 1090-1:2009  
Execution of steel structures and aluminium structures – Part  
1: Requirements for conformity assessment of structural  
components

EN 1999-1-1/A1:2009  
Eurocode 9: Design of aluminium structures – Part 1-1:  
General structural rules

## 91.080.40 Betonske konstrukcije

### Međunarodna normizacija (ISO)

ISO 19338 Technical Corrigendum 2:2009  
Performance and assessment requirements for design  
standards on structural concrete; Technical Corrigendum 2

## 91.100.10 Cement. Gips. Vapno. Žbuka

### Međunarodna normizacija (ISO)

ISO 29582-1:2009  
Methods of testing cement – Determination of the heat of  
hydration – Part 1: Solution method

ISO 29582-2:2009  
Methods of testing cement – Determination of the heat of hydration – Part 2: Semi-adiabatic method

### Europska normizacija

EN 12808-4:2009  
Grouts for tiles – Part 4: Determination of shrinkage

EN 15824:2009  
Specifications for external renders and internal plasters based on organic binders

## 91.100.15 Mineralna gradiva i proizvodi

### Europska normizacija

EN 933-9:2009  
Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test

EN 933-10:2009  
Tests for geometrical properties of aggregates – Part 10: Assessment of fines – Grading of filler aggregates (air jet sieving)

EN 1097-8:2009  
Tests for mechanical and physical properties of aggregates – Part 8: Determination of the polished stone value

EN 14618:2009  
Agglomerated stone – Terminology and classification

## 91.100.30 Beton i betonski proizvodi

### Europska normizacija

EN 934-2:2009  
Admixtures for concrete, mortar and grout – Part 2: Concrete admixtures – Definitions, requirements, conformity, marking and labelling

EN 934-4:2009  
Admixtures for concrete, mortar and grout – Part 4: Admixtures for grout for prestressing tendons – Definitions, requirements, conformity, marking and labelling

EN 13230-1:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 1: General requirements

EN 13230-2:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 2: Prestressed monoblock sleepers

EN 13230-3:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 3: Twin-block reinforced sleepers

EN 13230-4:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 4: Prestressed bearers for switches and crossings

EN 13230-5:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 5: Special elements

CEN/TR 15868:2009  
Survey of national requirements used in conjunction with EN 206-1:2000

## 91.100.50 Veziva. Brtvena gradiva

### Europska normizacija

EN 13707+A2:2009  
Flexible sheets for waterproofing – Reinforced bitumen sheets for roof waterproofing – Definitions and characteristics

## 91.120.20 Akustika u zgradama. Zvučna izolacija

### Međunarodna normizacija (ISO)

ISO 3382-1:2009  
Acoustics – Measurement of room acoustic parameters – Part 1: Performance spaces

### Europska normizacija

EN 15657-1:2009  
Acoustic properties of building elements and of buildings – Laboratory measurement of airborne and structure borne sound from building equipment – Part 1: Simplified cases where the equipment mobilities are much higher than the receiver mobilities, taking whirlpool baths as an example

EN ISO 3382-1:2009  
Acoustics – Measurement of room acoustic parameters – Part 1: Performance spaces (ISO 3382-1:2009)

EN ISO 3382-2/AC:2009  
Acoustics – Measurement of room acoustic parameters – Part 2: Reverberation time in ordinary rooms (ISO 3382-2:2008/Cor 1:2009)

## 91.120.25 Zaštita od seizmičkih djelovanja i vibracija

### Europska normizacija

EN 1998-1/AC:2009  
Eurocode 8: Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings

## 91.140.10 Sustavi centralnoga grijanja

### Europska normizacija

EN 13941:2009  
Design and installation of preinsulated bonded pipe systems for district heating

## 91.140.30 Sustavi prozračivanja i klimatizacije

### Međunarodna normizacija (ISO)

ISO 6944-2:2009  
Fire containment – Elements of building construction – Part 2: Kitchen extract ducts

## 91.140.90 Dizala. Pokretne stube

### Međunarodna normizacija (ISO)

ISO 22200:2009  
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walks – Immunity

### Europska normizacija

EN 81-3+A1/AC:2009  
Safety rules for the construction and installation of lifts – Part 3: Electric and hydraulic service lifts

EN 12159+A1:2009  
Builders hoists for persons and materials with vertically guided cages



## 91.220 Građevna oprema

### Europska normizacija

EN 12111+A1:2009  
Tunnelling machines – Road headers, continuous miners and impact rippers – Safety requirements

## 93.030 Vanjska kanalizacija

### Međunarodna normizacija (ISO)

ISO 18672-1:2009  
Plastics piping systems for non-pressure drainage and sewerage – Polyester resin concrete (PRC) – Part 1: Pipes and fittings with flexible joints

## 93.060 Tunelogradnja

### Europska normizacija

EN 12111+A1:2009  
Tunnelling machines – Road headers, continuous miners and impact rippers – Safety requirements

## 93.080.20 Sredstva za cestogradnju

### Europska normizacija

EN 14188-4:2009  
Joint fillers and sealants – Part 4: Specifications for primers to be used with joint sealants

EN 15466-1:2009  
Primers for cold and hot applied joint sealants – Part 1: Determination of homogeneity

EN 15466-2:2009  
Primers for cold and hot applied joint sealants – Part 2: Determination of resistance against alkali

EN 15466-3:2009  
Primers for cold and hot applied joint sealants – Part 3: Determination of solids content and evaporation behaviour of volatiles

## 93.100 Gradnja željezničkih pruga

### Europska normizacija

EN 13230-1:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 1: General requirements

EN 13230-2:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 2: Prestressed monoblock sleepers

EN 13230-3:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 3: Twin-block reinforced sleepers

EN 13230-4:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 4: Prestressed bearers for switches and crossings

EN 13230-5:2009  
Railway applications – Track – Concrete sleepers and bearers – Part 5: Special elements

CEN/TR 15874:2009  
Railway applications – Noise emission – Road test of standard for rail roughness measurement EN 15610:2009

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

### Europska normizacija

EN 203-3:2009  
Gas heated catering equipment – Part 3: Materials and parts in contact with food and other sanitary aspects

## 97.040.30 Kućanski rashladni uređaji

### Međunarodna normizacija (IEC)

IEC 60335-2-24 Corrigendum 1:2009  
Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers; Corrigendum 1

## 97.060 Praonički uređaji

### Međunarodna normizacija (IEC)

IEC 60311 AMD 2:2009  
Electric irons for household or similar use – Methods for measuring performance; Amendment 2

## 97.080 Uređaji za čišćenje podova

### Međunarodna normizacija (IEC)

IEC/PAS 62611:2009  
Vacuum cleaners for commercial use – Methods of measuring the performance

## 97.100.10 Električni grijači

### Međunarodna normizacija (IEC)

IEC 60704-2-2:2009  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-2: Particular requirements for fan heaters

## 97.100.20 Plinski grijači

### Europska normizacija

EN 525:2009  
Non-domestic direct gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW

## 97.100.30 Grijači na kruta goriva

### Europska normizacija

EN 15544:2009  
One off Kachelgrundöfen/Putzgrundöfen (tiled/mortared stoves) – Dimensioning

## 97.120 Automatsko upravljanje za kućansku uporabu

### Europska normizacija

EN 50428/A2:2009  
Switches for household and similar fixed electrical installations – Collateral standard – Switches and related accessories for use in home and building electronic systems (HBES)

## **97.190      Kućanska oprema za djecu**

### **Europska normizacija**

CEN/CENELEC Guide 14:2009  
Child safety – Guidance for its inclusion in standards

## **97.200.50 Igračke**

### **Europska normizacija**

EN 71-1+A9:2009  
Safety of toys – Part 1: Mechanical and physical properties