

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

5/2016 listopad, 2016.

Oglasnik za normativne dokumente Hrvatskog zavoda za norme sadrži popise hrvatskih norma, nacrta hrvatskih norma, prijedloga za prihvatanje stranih norma u izvorniku, povučene hrvatske norme, povučene nacrte 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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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 80/2013) 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 zainteresiranim na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

### **HN/T 8, Brodogradnja**

#### **HRN EN ISO 7236:2016 en pr**

Brodovi i pomorska tehnologija – Plovni objekti unutarnje plovidbe – Postolja za signalne jarbole koji se mogu demontirati na potiskivanom sastavu (ISO 7236:2014; EN ISO 7236:2016)

Ships and marine technology – Inland navigation vessels – Mounting attachments for demountable signal masts for push-tows (ISO 7236:2014; EN ISO 7236:2016)

#### **HRN EN 16865:2016 en pr**

Plovni objekti unutarnje plovidbe – Spojevi i spojne cijevi za opskrbu pitkom vodom (EN 16865:2016)  
Inland navigation vessels – Connections and assembled hoses for the transfer of potable water (EN 16865:2016)

### **HN/T 21, Protupožarna i vatrogasna oprema**

#### **HRN EN 13204:2016 en pr**

Dvoradni hidraulični alati za spašavanje u vatrogastvu i spasilačkoj službi – Zahtjevi za sigurnost i svojstva (EN 13204:2016)

Double acting hydraulic rescue tools for fire and rescue service use – Safety and performance requirements (EN 13204:2016)

### **HN/T 28, Naftni proizvodi i maziva**

#### **HRN EN ISO 3924:2016 en pr**

Naftni proizvodi – Određivanje područja destilacije – Metoda plinske kromatografije (ISO 3924:2016; EN ISO 3924:2016)

Petroleum products – Determination of boiling range distribution – Gas chromatography method (ISO 3924:2016; EN ISO 3924:2016)

#### **HRN EN 16734:2016 en pr**

Goriva za motorna vozila – Dizelsko gorivo B10 – Zahtjevi i metode ispitivanja (EN 16734:2016)  
Automotive fuels – Automotive B10 diesel fuel – Requirements and test methods (EN 16734:2016)

### **HN/T 34, Poljoprivredni i prehrambeni proizvodi**

#### **HRN ISO 14502-1:2007/Ispr.1:2016 en pr**

Određivanje tvari karakterističnih za zeleni i crni čaj – 1. dio: Udio ukupnih polifenola u čaju – Metoda kolorimetrije uporabom Folin-Ciocalteu reagensa (ISO 14502-1:2005/Cor 1:2006)

Determination of substances characteristic of green and black tea – Part 1: Content of total polyphenols in tea – Colorimetric method using Folin-Ciocalteu reagent (ISO 14502-1:2005/Cor 1:2006)

**HRN ISO 14502-2:2007/Ispr.1:2016** en pr

Određivanje tvari karakterističnih za zeleni i crni čaj – 2. dio: Udio katehina u zelenom čaju – Metoda uporabom tekućinske kromatografije visokog učinka (ISO 14502-2:2005/Cor 1:2006)  
Determination of substances characteristic of green and black tea – Part 2: Content of catechins in green tea – Method using high-performance liquid chromatography (ISO 14502-2:2005/Cor 1:2006)

**HRS ISO/TS 22002-6:2016** en pr

Preduvjetni programi za sigurnost hrane – 6. dio: Proizvodnja hrane i hrane za životinje (ISO/TS 22002-6:2016)  
Prerequisite programmes on food safety – Part 6: Feed and animal food production (ISO/TS 22002-6:2016)

**HN/T 35, Boje i lakovi****HRN EN ISO 1514:2016** en pr

Boje i lakovi – Standardne pločice za ispitivanje (ISO 1514:2016; EN ISO 1514:2016)  
Paints and varnishes – Standard panels for testing (ISO 1514:2016; EN ISO 1514:2016)

**HRN EN ISO 3248:2016** en pr

Boje i lakovi – Određivanje djelovanja topline (ISO 3248:2016; EN ISO 3248:2016)  
Paints and varnishes – Determination of the effect of heat (ISO 3248:2016; EN ISO 3248:2016)

**HRN EN ISO 4623-2:2016** en pr

Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 2. dio: Aluminijske podloge (ISO 4623-2:2016; EN ISO 4623-2:2016)  
Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates (ISO 4623-2:2016; EN ISO 4623-2:2016)

**HRN EN ISO 11664-5:2016** en pr

Kolorimetrija – 5. dio: CIE 1976 L<sup>\*</sup>u<sup>\*</sup>v<sup>\*</sup> prostor boje i u', v' jednolična kromatičnost dijagrama skale (ISO/CIE 11664-5:2016; EN ISO 11664-5:2016)  
Colorimetry – Part 5: CIE 1976 L<sup>\*</sup>u<sup>\*</sup>v<sup>\*</sup> Colour space and u', v' uniform chromaticity scale diagram (ISO/CIE 11664-5:2016; EN ISO 11664-5:2016)

**HN/T 43, Akustika****HRN EN ISO 389-7:2008/A1:2016** en pr

Akustika – Referentna razina za umjeravanje audiometara – 7. dio: Referentni prag čujnosti pri slušanju u slobodnome i difuznemu polju – Amandman 1: Referentni prag čujnosti kod 20 Hz i 18 000 Hz pri slušanju u slobodnemu polju i kod 20 Hz pri slušanju u difuznemu polju (ISO 389-7:2005/Amd 1:2016; EN ISO 389-7:2005/A1:2016)  
Acoustics – Reference zero for the calibration of audiometric equipment – Part 7: Reference threshold of hearing under free-field and diffuse-field listening conditions – Amendment 1: Reference threshold of hearing at 20 Hz and 18 000 Hz under free-field listening conditions and at 20 Hz under diffuse-field listening conditions (ISO 389-7:2005/Amd 1:2016; EN ISO 389-7:2005/A1:2016)

**HRN EN ISO 10140-1:2016** en pr

Akustika – Laboratorijsko mjerenje zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode (ISO 10140-1:2016; EN ISO 10140-1:2016)  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2016; EN ISO 10140-1:2016)

**HN/T 44, Zavarivanje i srodnici postupci****HRN EN ISO 3677:2016** en pr

Dodatni materijal za meko lemljenje i tvrdo lemljenje – Označivanje (ISO 3677:2016; EN ISO 3677:2016)  
Filler metal for soldering and brazing – Designation (ISO 3677:2016; EN ISO 3677:2016)

**HRN EN ISO 5182:2016 en pr**

Elektrotoporno zavarivanje – Materijali za elektrode i pomoćnu opremu (ISO 5182:2016; EN ISO 5182:2016)

Resistance welding – Materials for electrodes and ancillary equipment (ISO 5182:2016; EN ISO 5182:2016)

**HRN EN ISO 15618-1:2016 en pr**

Provjera sposobnosti zavarivača za podvodno zavarivanje – 1. dio: Mokro zavarivanje pri povišenome tlaku (ISO 15618-1:2016; EN ISO 15618-1:2016)

Qualification testing of welders for underwater welding – Part 1: Hyperbaric wet welding (ISO 15618-1:2016; EN ISO 15618-1:2016)

**HRN EN ISO 17672:2016 en pr**

Tvrdi lemljenje – Dodatni materijali (ISO 17672:2016; EN ISO 17672:2016)

Brazing – Filler metals (ISO 17672:2016; EN ISO 17672:2016)

**HZN/TO 47, Kemija****HRN ISO 2865:2001/Ispr.1:2016 en pr**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela bora – Spektrofotometrijska metoda s kurkumom (ISO 2865:1973/Cor 1:1991)

Aluminium oxide primarily used for the production of aluminium – Determination of boron content – Curcumin spectrophotometric method (ISO 2865:1973/Cor 1:1991)

**HZN/TO 54, Eterična ulja****HRN ISO 3520:2005/Ispr.1:2016 en pr**

Ulije bergamota [Citrus aurantium L. subsp. bergamia (Wight et Arnott) Engler], talijanski tip (ISO 3520:1998/Cor 1:2002)

Oil of bergamot [Citrus aurantium L. subsp. bergamia (Wight et Arnott) Engler], Italian type (ISO 3520:1998/Cor 1:2002)

**HRN ISO 3848:2005/Ispr.1:2016 en pr**

Ulije citronele, javanski tip (ISO 3848:2001/Cor 1:2002)

Oil of citronella, Java type (ISO 3848:2001/Cor 1:2002)

**HZN/TO 86, Uredaji za hlađenje, klimatizaciju i dizalice topline****HRN EN 16825:2016 en pr**

Rashladni ormari i vitrine za skladištenje hrane za profesionalnu upotrebu – Razredba, zahtjevi i uvjeti ispitivanja (EN 16825:2016)

Refrigerated storage cabinets and counters for professional use – Classification, requirements and test conditions (EN 16825:2016)

**HZN/TO 116, Uredaji i oprema za izmjenu topline****HRN EN 14037-1:2016 en pr**

Slobodno viseće površine za grijanje i hlađenje vodom temperature niže od 120 °C – 1. dio: Tvornički pripremljeni stropni zračeći paneli za grijanje prostora – Tehničke specifikacije i zahtjevi (EN 14037-1:2016)

Free hanging heating and cooling surfaces for water with a temperature below 120°C – Part 1: Pre-fabricated ceiling mounted radiant panels for space heating – Technical specifications and requirements (EN 14037-1:2016)

**HRN EN 14037-2:2016 en pr**

Slobodno viseće površine za grijanje i hlađenje vodom temperature niže od 120 °C – 2. dio: Tvornički pripremljeni stropni zračeći paneli za grijanje prostora – Metode ispitivanja za toplinski učinak (EN 14037-2:2016)

Free hanging heating and cooling surfaces for water with a temperature below 120°C – Part 2: Pre-fabricated ceiling mounted radiant panels for space heating – Test method for thermal output (EN 14037-2:2016)

**HRN EN 14037-3:2016 en pr**

Slobodno viseće površine za grijanje i hlađenje vodom temperature niže od 120 °C – 3. dio: Tvornički pripremljeni stropni zračeći paneli za grijanje prostora – Metoda ocjene i vrednovanja toplinskog učinka zračenjem (EN 14037-3:2016)

Free hanging heating and cooling surfaces for water with a temperature below 120°C – Part 3: Prefabricated ceiling mounted radiant panels for space heating – Rating method and evaluation of radiant thermal output (EN 14037-3:2016)

**HRN EN 14037-4:2016 en pr**

Slobodno viseće površine za grijanje i hlađenje vodom temperature niže od 120 °C – 4. dio: Tvornički pripremljeni stropni zračeći paneli – Metode ispitivanja za rashladni učinak (EN 14037-4:2016)

Free hanging heating and cooling surfaces for water with a temperature below 120°C – Part 4: Pre-fabricated ceiling mounted radiant panels – Test method for cooling capacity (EN 14037-4:2016)

**HRN EN 14037-5:2016 en pr**

Slobodno viseće površine za grijanje i hlađenje vodom temperature niže od 120 °C – 5. dio: Otvorene i zatvorene stropne površine za grijanje – Metode ispitivanja za toplinski učinak (EN 14037-5:2016)

Free hanging heating and cooling surfaces for water with a temperature below 120°C – Part 5: Open or closed heated ceiling surfaces – Test method for thermal output (EN 14037-5:2016)

**HZN/TO 120, Koža i obuća****HRN EN ISO 19076:2016 en pr**

Koža – Mjerenje površine kože – Uporaba elektroničkih tehnika (ISO 19076:2016; EN ISO 19076:2016)

Leather – Measurement of leather surface – Using electronic techniques (ISO 19076:2016; EN ISO 19076:2016)

**HZN/TO 121, Anestetička i respiracijska oprema****HRN EN ISO 5361:2016 en pr**

Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO 5361:2016; EN ISO 5361:2016)

Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO 5361:2016; EN ISO 5361:2016)

**HRN EN ISO 5364:2016 en pr**

Anestetička i respiracijska oprema – Osigurači zračnog puta za usta i ždrijelo (ISO 5364:2016; EN ISO 5364:2016)

Anaesthetic and respiratory equipment – Oropharyngeal airways (ISO 5364:2016; EN ISO 5364:2016)

**HZN/TO 126, Duhan i duhanski proizvodi****HRN EN ISO 12863:2011/A1:2016 en pr**

Standardna ispitna metoda za ocjenjivanje svojstva zapaljivosti cigareta (ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016)

Standard test method for assessing the ignition propensity of cigarettes (ISO 12863:2010/Amd 1:2016; EN ISO 12863:2010/A1:2016)

## **HN/T/136, Namještaj**

**HRN EN 1729-1:2016/Ispr.1:2016 en pr**

Namještaj – Stolice i stolovi za obrazovne ustanove – 1. dio: Funkcionalne dimenzije  
(EN 1729-1:2015/AC:2016)

Furniture – Chairs and tables for educational institutions – Part 1: Functional dimensions  
(EN 1729-1:2015/AC:2016)

## **HN/T/146, Kvaliteta zraka**

**HRN EN 16789:2016 en pr**

Vanjski zrak – Biomonitoring s višim biljkama – Metoda standardizirane izloženosti duhana  
(EN 16789:2016)

Ambient air – Biomonitoring with Higher Plants – Method of the standardized tobacco exposure  
(EN 16789:2016)

**HRS CEN/TS 16976:2016 en pr**

Vanjski zrak – Određivanje koncentracije broja čestica atmosferskog aerosola (CEN/TS 16976:2016)

Ambient air – Determination of the particle number concentration of atmospheric aerosol  
(CEN/TS 16976:2016)

## **HN/T/147, Kvaliteta vode**

**HRN EN ISO 5667-6:2016 en pr**

Kvaliteta vode – Uzorkovanje – 6. dio: Upute za uzorkovanje vode rijeka i potoka (ISO 5667-6:2014;  
EN ISO 5667-6:2016)

Water quality – Sampling – Part 6: Guidance on sampling of rivers and streams (ISO 5667-6:2014;  
EN ISO 5667-6:2016)

**HRS ISO/TS 17379-2:2016 en pr**

Kvaliteta vode – Određivanje selenija – 2. dio: Metoda hidridne tehnike atomske apsorpcijske  
spektrometrije (HG-AAS) (ISO/TS 17379-2:2013)

Water quality – Determination of selenium – Part 2: Method using hydride generation atomic  
absorption spectrometry (HG-AAS) (ISO/TS 17379-2:2013)

## **HN/T/159, Ergonomija**

**HRN EN ISO 6385:2016 en pr**

Ergonomski načela u dizajniranju radnih sustava (ISO 6385:2016; EN ISO 6385:2016)

Ergonomic principles in the design of work systems (ISO 6385:2016; EN ISO 6385:2016)

## **HN/T/163, Toplinska izolacija**

**HRN EN ISO 12572:2016 en pr**

Svojstva građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava  
propusnosti vodene pare – Metoda posude (ISO 12572:2016; EN ISO 12572:2016)

Hygrothermal performance of building materials and products – Determination of water vapour  
transmission properties – Cup method (ISO 12572:2016; EN ISO 12572:2016)

## **HN/T/165, Drvene konstrukcije**

**HRN EN 384:2016 en pr**

Drvene konstrukcije – Određivanje karakterističnih vrijednosti mehaničkih svojstava i gustoće  
(EN 384:2016)

Structural timber – Determination of characteristic values of mechanical properties and density  
(EN 384:2016)

## **HN/T0 172, Optika i optički instrumenti**

### **HRN EN ISO 14880-1:2016 en pr**

Optika i fotonika – Poredak mikroleća – 1. dio: Terminološki rječnik i opća svojstva  
(ISO 14880-1:2016; EN ISO 14880-1:2016)

Optics and photonics – Microlens arrays – Part 1: Vocabulary and general properties  
(ISO 14880-1:2016; EN ISO 14880-1:2016)

## **HN/T0 179, Zidane konstrukcije**

### **HRN EN 12602:2016 en pr**

Predgotovljeni armirani elementi od porastoga betona (EN 12602:2016)

Prefabricated reinforced components of autoclaved aerated concrete (EN 12602:2016)

## **HN/T0 182, Geotehničke konstrukcije**

### **HRN EN ISO 22476-15:2016 en pr**

Geotehničko istraživanje i ispitivanje – Terensko ispitivanje – 15. dio: Mjerenje tijekom bušenja  
(ISO 22476-15:2016; EN ISO 22476-15:2016)

Geotechnical investigation and testing – Field testing – Part 15: Measuring while drilling  
(ISO 22476-15:2016; EN ISO 22476-15:2016)

### **HRN EN ISO 22477-10:2016 en pr**

Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih konstrukcija – 10. dio: Ispitivanje pilota:  
Ispitivanje brzim opterećivanjem (ISO 22477-10:2016; EN ISO 22477-10:2016)

Geotechnical investigation and testing – Testing of geotechnical structures – Part 10: Testing of piles:  
rapid load testing (ISO 22477-10:2016; EN ISO 22477-10:2016)

## **HN/T0 218, Drvo**

### **HRN EN 350:2016 en pr**

Trajinost drva i proizvoda na osnovi drva – Ispitivanje i razredba otpornosti drva i materijala na osnovi  
drva na biološke štetnike (EN 350:2016)

Durability of wood and wood-based products – Testing and classification of the durability to biological  
agents of wood and wood-based materials (EN 350:2016)

### **HRN EN 599-2:2016 en pr**

Trajinost drva i proizvoda na osnovi drva – Učinkovitost preventivnih sredstava za zaštitu drva  
određena biološkim ispitivanjima – 2. dio: Označivanje (EN 599-2:2016)

Durability of wood and wood-based products – Efficacy of preventive wood preservatives as  
determined by biological tests – Part 2: Labelling (EN 599-2:2016)

## **HN/T0 219, Podne obloge**

### **HRN EN 1815:2016 en pr**

Elastične i laminatne podne obloge – Ocjena sklonosti prema statičkom elektricitetu (EN 1815:2016)  
Resilient and laminate floor coverings – Assessment of static electrical propensity (EN 1815:2016)

## **HN/T0 238, Čvrsta biogoriva**

### **HRN EN ISO 16993:2016 en pr**

Čvrsta biogoriva – Preračun iskaza rezultata analiza (ISO 16993:2016; EN ISO 16993:2016)

Solid biofuels – Conversion of analytical results from one basis to another (ISO 16993:2016;  
EN ISO 16993:2016)

### **HRN EN ISO 16994:2016 en pr**

Čvrsta biogoriva – Utvrđivanje ukupnog udjela sumpora i klora (ISO 16994:2016; EN ISO 16994:2016)

Solid biofuels – Determination of total content of sulfur and chlorine (ISO 16994:2016;  
EN ISO 16994:2016)

**HRN EN ISO 18846:2016 en pr**

Čvrsta biogoriva – Određivanje udjela finih čestica u peletima (ISO 18846:2016; EN ISO 18846:2016)  
Solid biofuels – Determination of fines content in quantities of pellets (ISO 18846:2016;  
EN ISO 18846:2016)

**HRN EN ISO 18847:2016 en pr**

Čvrsta biogoriva – Određivanje gustoće čestica peleta i briketa (ISO 18847:2016;  
EN ISO 18847:2016)  
Solid biofuels – Determination of particle density of pellets and briquettes (ISO 18847:2016;  
EN ISO 18847:2016)

**HZN/TO 502, *Plinski uređaji*****HRN EN ISO 6976:2016 en pr**

Prirodni plin – Proračun toplinskih vrijednosti, gustoće, relativne gustoće i Wobbeovog broja iz sastava  
(ISO 6976:2016; EN ISO 6976:2016)  
Natural gas – Calculation of calorific values, density, relative density and Wobbe indices from  
composition (ISO 6976:2016; EN ISO 6976:2016)

**HRN EN 12309-2:2015/Isp.1:2016 en pr**

Plinski sorpcijski uređaji za grijanje i/ili hlađenje s nazivnim toplinskim opterećenjem do 70 kW – 2. dio:  
Sigurnost (EN 12309-2:2015/AC:2015)  
Gas-fired sorption appliances for heating and/or cooling with a net heat input not exceeding 70 kW –  
Part 2: Safety (EN 12309-2:2015/AC:2015)

**HZN/TO 503, *Metalni materijali*****HRN EN ISO 6508-1:2016 en pr**

Metalni materijali – Ispitivanje tvrdoće prema Rockwellu – 1. dio: Metoda ispitivanja (ISO 6508-1:2016;  
EN ISO 6508-1:2016)  
Metallic materials – Rockwell hardness test – Part 1: Test method (ISO 6508-1:2016;  
EN ISO 6508-1:2016)

**HZN/TO 505, *Prijenos i distribucija plina*****HRN EN ISO 20088-1:2016 en pr**

Određivanje otpornosti izolacijskih materijala na propuštanje kriogenih izljevanja – 1. dio: Tekuće faze  
(ISO 20088-1:2016; EN ISO 20088-1:2016)  
Determination of the resistance to cryogenic spillage of insulation materials – Part 1: Liquid phases  
(ISO 20088-1:2016; EN ISO 20088-1:2016)

**HZN/TO 508, *Ambalaža i pakiranje*****HRN EN ISO 13355:2016 en pr**

Ambalaža – Cjelovita ispunjena transportna pakovina i jedinični tereti – Vertikalno nasumično  
vibracijsko ispitivanje (ISO 13355:2016; EN ISO 13355:2016)  
Packaging – Complete, filled transport packages and unit loads – Vertical random vibration test  
(ISO 13355:2016; EN ISO 13355:2016)

**HZN/TO 509, *Cestovna oprema*****HRI CEN/TR 16949:2016 en pr**

Zaštitni cestovni sustavi – Pješački cestovni sustavi – Pješački parapeti (CEN/TR 16949:2016)  
Road restraint system – Pedestrian restraint system – Pedestrian parapets (CEN/TR 16949:2016)

## **HN/T 513, Mjerni jedinice i mjerila**

**HRN ISO 3310-1:2016 en pr**

Ispitna sita – Tehnički zahtjevi i ispitivanja – 1. dio: Ispitna sita izrađena od metalne žičane mreže (ISO 3310-1:2016)

Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth (ISO 3310-1:2016)

**HRN ISO 9044:2016 enpr**

Industrijska sita izrađena od pletene žičane mreže – Tehnički zahtjevi i ispitivanje (ISO 9044:2016)  
Industrial woven wire cloth – Technical requirements and tests (ISO 9044:2016)

**HRN ISO 24155:2016 en pr**

Hidrometrija – Sustavi za prijenos hidrometrijskih podataka – Specifikacija zahtjeva za sustave (ISO 24155:2016)

Hydrometry – Hydrometric data transmission systems – Specification of system requirements (ISO 24155:2016)

## **HN/T 522, Karakterizacija i zbrinjavanje otpada**

**HRN EN 15308:2016 en pr**

Karakterizacija otpada – Određivanje odabranih polikloriranih bifenila (PCB) u krutom otpadu uporabom plinske kromatografije sa zahvatom elektrona ili spektrometrijom masa (EN 15308:2016)  
Characterization of waste – Determination of selected polychlorinated biphenyls (PCB) in solid waste by gas chromatography with electron capture or mass spectrometric detection (EN 15308:2016)

## **HN/T 524, Inteligentni transportni sustavi**

**HRN EN 12896-1:2016 en pr**

Javni prijevoz – Referentni model podataka – 1. dio: Zajednički pojmovi (EN 12896-1:2016)  
Public transport – Reference data model – Part 1: Common concepts (EN 12896-1:2016)

**HRN EN 12896-2:2016 en pr**

Javni prijevoz – Referentni model podataka za javni prijevoz – 2. dio: Mreža javnog prijevoza (EN 12896-2:2016)  
Public transport – Reference data model – Part 2: Public transport network (EN 12896-2:2016)

**HRN EN 12896-3:2016 en pr**

Javni prijevoz – Referentni model podataka – 3. dio: Informacije o vremenima i raspored vožnje vozila (EN 12896-3:2016)  
Public transport – Reference data model – Part 3: Timing information and vehicle scheduling (EN 12896-3:2016)

**HRI CEN/TR 12896-9:2016 en pr**

Javni prijevoz – Referentni model podataka – 9. dio: Dokumentacija o informacijama (CEN/TR 12896-9:2016)  
Public transport – Reference data model – Part 9: Informative documentation (CEN/TR 12896-9:2016)

## **HN/T 528, Oprema za željeznice**

**HRN EN 13129:2016 en pr**

Željeznički sustav – Klimatizacija željezničkih vozila za regionalni promet – Parametri udobnosti i tipska ispitivanja (EN 13129:2016)

Railway applications – Air conditioning for main line rolling stock – Comfort parameters and type tests (EN 13129:2016)

**HRN EN 15220:2016 en pr**

Željeznički sustav – Pokazivači kočnice (EN 15220:2016)

Railway applications – Brake indicators (EN 15220:2016)

**HRN EN 15566:2016** en pr

Željeznički sustav – Željeznička vozila – Vučni uređaj i vijčano kvačilo (EN 15566:2016)

Railway applications – Railway rolling stock – Draw gear and screw coupling (EN 15566:2016)

**HRN EN 16186-3:2016** en pr

Željeznički sustav – Upravljačnica – 3. dio: Projektiranje zaslona (EN 16186-3:2016)

Railway applications – Driver's cab – Part 3: Design of displays (EN 16186-3:2016)

**HRN EN 16272-4:2016** en pr

Željeznički sustav – Željeznički gornji ustroj – Zvučne zapreke i odgovarajući uređaji koji djeluju na rasprostiranje zvuka zrakom – Metoda ispitivanja za određivanje akustičnih svojstava – 4. dio: Unutarnja svojstva – In situ vrijednosti difrakcije zvuka pod izravnim utjecajem zvučnog polja (EN 16272-4:2016)

Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Test method for determining the acoustic performance – Part 4: Intrinsic characteristics – In situ values of sound diffraction under direct sound field conditions (EN 16272-4:2016)

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

**HRN EN 1765:2016** en pr

Gumeni crijevni uređaji za usisavanje i istovar ulja – Specifikacija za uređaje (EN 1765:2016)

Rubber hose assemblies for oil suction and discharge services – Specification for the assemblies (EN 1765:2016)

**HRN EN 14423:2016** en pr

Sklopovi spojki steznog tipa za upotrebu s crijevima za paru za tlakove do 18 bara (EN 14423:2013+A1:2016)

Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar (EN 14423:2013+A1:2016)

**HRN EN 16643:2016** en pr

Gumena i plastična crijeva i crijevni sklopovi – Nevezana fluoroplastična obloga (npr. PTFE) crijeva i crijevnih sklopova za tekuće i plinovite kemikalije – Specifikacija (EN 16643:2016)

Rubber and plastics hoses and hose assemblies – Non-bonded fluoroplastic lined (e.g. PTFE) hoses and hose assemblies for liquid and gaseous chemicals – Specification (EN 16643:2016)

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

**HRN EN 13241:2016** en pr

Industrijska, komercijalna, garažna i ostala ulazna vrata – Norma za proizvod, izvedbene značajke (EN 13241:2003+A2:2016)

Industrial, commercial, garage doors and gates – Product standard, performance characteristics (EN 13241:2003+A2:2016)

**HRN EN 14351-1:2016** en pr

Prozori i vrata – Norma za proizvod, izvedbene značajke – 1.dio: Prozori i vanjska pješačka vrata (EN 14351-1:2006+A2:2016)

Windows and doors – Product standard, performance characteristics – Part 1: Windows and external pedestrian doorsets (EN 14351-1:2006+A2:2016)

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

**HRN EN ISO 1:2016** en pr

Geometrijska specifikacija proizvoda (GSP) – Standardna referentna temperatura za specifikaciju geometrijskih i dimenzijskih osobina (ISO 1:2016; EN ISO 1:2016)

Geometrical product specifications (GPS) – Standard reference temperature for the specification of geometrical and dimensional properties (ISO 1:2016; EN ISO 1:2016)

**HRN EN ISO 14405-1:2016 en pr**

Geometrijske specifikacije proizvoda (GSP) – Tolerancije dimenzija – 1. dio: Duljinske izmjere  
(ISO 14405-1:2016; EN ISO 14405-1:2016)

Geometrical product specifications (GPS) – Dimensional tolerancing – Part 1: Linear sizes  
(ISO 14405-1:2016; EN ISO 14405-1:2016)

**HNZ/TO 541, Sustavi grijanja, ventilacija i klimatizacije u građevinama****HRI CEN/TR 15232-2:2016 en pr**

Energijske značajke zgrada – 2. dio: Prateći TR uz prEN 15232-1:2015 – Moduli M10-4,5,6,7,8,9,10  
(CEN/TR 15232-2:2016)

Energy performance of buildings – Part 2: Accompanying TR prEN 15232-1:2015 – Modules M10-  
4,5,6,7,8,9,10 (CEN/TR 15232-2:2016)

**HRI CEN/TR 16946-2:2016 en pr**

Energijska svojsta zgrada – Pregled automatizacije u zgradama, regulacije i tehničkog upravljanja  
zgradama – 2. dio: Prateći TR uz prEN 16946-1:2015 – Modul M10-11 (CEN/TR 16946-2:2016)  
Energy Performance of Buildings – Inspection of Building Automation, Controls and Technical Building  
Management – Part 2: Accompanying TR prEN 16946-1:2015 – Modules M10-11  
(CEN/TR 16946-2:2016)

**HRI CEN/TR 16947-2:2016 en pr**

Sustav upravljanja zgradama – 2. dio: Prateći TR uz prEN 16947-1:2015 – Modul M10-12  
(CEN/TR 16947-2:2016)

Building Management System – Part 2: Accompanying prEN 16947-1:2015 – Modules M10-12  
(CEN/TR 16947-2:2016)

**HNZ/TO 548, Konstrukcijski eurokodovi****HRN EN 1991-1-3:2012/A1:2016 hr pp**

Eurokod 1: Djelovanja na konstrukcije – Dio 1-3: Opća djelovanja – Opterećenja snijegom  
(EN 1991-1-3:2003/A1:2015)

Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads  
(EN 1991-1-3:2003/A1:2015)

**HRN EN 1991-1-3:2012/NA:2016 hr izv**

Eurokod 1: Djelovanja na konstrukcije – Dio 1-3: Opća djelovanja – Opterećenja snijegom –  
Nacionalni dodatak

Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads – National Annex

**HNZ/TO 554, Obrada otpadnih voda****HRN EN 12566-1:2016 en pr**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 1. dio: Tvornički izrađene septičke  
jame (EN 12566-1:2016)

Small wastewater treatment systems for up to 50 PT – Part 1: Prefabricated septic tanks  
(EN 12566-1:2016)

**HRN EN 12566-3:2016 en pr**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 3. dio: Tvornički izrađeni i/ili na  
objektu sastavljen uređaj za obradu sanitarnih otpadnih voda (EN 12566-3:2016)  
Small wastewater treatment systems up to 50 PT – Part 3: Packaged and/or site assembled domestic  
wastewater treatment plants (EN 12566-3:2016)

**HRN EN 12566-4:2016 en pr**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 4. dio: Septičke jame iz  
predgotovljenih elemenata sklopive in situ (EN 12566-4:2016)

Small wastewater treatment systems for up to 50 PT – Part 4: Septic tanks assembled in situ from  
prefabricated kits (EN 12566-4:2016)

**HRN EN 12566-6:2016 en pr**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 6. dio: Predgotovljene jedinice za obradu efluentata septičke jame (EN 12566-6:2016)

Small wastewater treatment systems for up to 50 PT – Part 6: Prefabricated treatment units for septic tank effluent (EN 12566-6:2016)

**HRN EN 12566-7:2016 en pr**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 7. dio: Predgotovljene jedinice za tercijalnu obradu (EN 12566-7:2016)

Small wastewater treatment systems for up to 50 PT – Part 7: Prefabricated tertiary treatment units (EN 12566-7:2016)

**HZN/TO 555, Medicinski proizvodi****HRN EN ISO 14644-14:2016 en pr**

Čisti prostori i odgovarajući kontrolirani okoliš – 14. dio: Procjena prikladnosti opreme za uporabu u čistim prostorima određivanjem koncentracije čestica koje se prenose zrakom (ISO 14644-14:2016; EN ISO 14644-14:2016)

Cleanrooms and associated controlled environments – Part 14: Assessment of suitability for use of equipment by airborne particle concentration (ISO 14644-14:2016; EN ISO 14644-14:2016)

**HZN/TO 557, Zaštitna odjeća****HRN ISO 16602:2016/A1:2016 en pr**

Odjeća za zaštitu od kemikalija – Klasifikacija, označivanje i zahtjevi za svojstva (ISO 16602:2007/Amd 1:2012)

Protective clothing for protection against chemicals – Classification, labelling and performance requirements (ISO 16602:2007/Amd 1:2012)

**HRN ISO 16602:2016 en pr**

Odjeća za zaštitu od kemikalija – Klasifikacija, označivanje i zahtjevi za svojstva (ISO 16602:2007)

Protective clothing for protection against chemicals – Classification, labelling and performance requirements (ISO 16602:2007)

**HZN/TO 560, Tekstilni proizvodi****HRN EN ISO 2286-1:2016 en pr**

Plošni tekstil naslojen gumom ili plastikom – Određivanje svojstava namotka – 1. dio: Metode određivanja dužine, širine i mase (ISO 2286-1:2016; EN ISO 2286-1:2016)

Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 1: Methods for determination of length, width and net mass (ISO 2286-1:2016; EN ISO 2286-1:2016)

**HRN EN ISO 2286-2:2016 en pr**

Plošni tekstil naslojen gumom ili plastikom – Određivanje svojstava namotka – 2. dio: Metode određivanja ukupne površinske mase, površinske mase nasloja i površinske mase podlage (ISO 2286-2:2016; EN ISO 2286-2:2016)

Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate (ISO 2286-2:2016; EN ISO 2286-2:2016)

**HRN EN ISO 2286-3:2016 en pr**

Plošni tekstil naslojen gumom ili plastikom – Određivanje svojstava namotka – 3. dio: Metoda određivanja debljine (ISO 2286-3:2016; EN ISO 2286-3:2016)

Rubber- or plastic-coated fabrics – Determination of roll characteristics – Part 3: Method for determination of thickness (ISO 2286-3:2016; EN ISO 2286-3:2016)

## **HN/T 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce**

**HRN EN 764-1:2016** en pr

Tlačna oprema – 1. dio: Terminološki rječnik (EN 764-1:2015+A1:2016)  
Pressure equipment – Part 1: Vocabulary (EN 764-1:2015+A1:2016)

**HRN EN 13445-3:2014/A2:2016** en pr

Neložene tlačne posude – 3. dio: Projektiranje (EN 13445-3:2014/A2:2016)  
Unfired pressure vessels – Part 3: Design (EN 13445-3:2014/A2:2016)

**HRN EN 13445-4:2015/A1:2016** en pr

Neložene tlačne posude – 4. dio: Proizvodnja (EN 13445-4:2014/A1:2016)  
Unfired pressure vessels – Part 4: Fabrication (EN 13445-4:2014/A1:2016)

**HRI CEN/TR 13445-9:2016** en pr

Neložene posude pod tlakom – 9. dio: Sukladnost norma niza EN 13445 s normom ISO 16528  
(CEN/TR 13445-9:2011)  
Unfired pressure vessels – Part 9: Conformance of the EN 13445 series to ISO 16528  
(CEN/TR 13445-9:2011)

**HRN EN 13480-2:2012/A2:2016** en pr

Metalni industrijski cjevovodi – 2. dio: Materijali (EN 13480-2:2012/A2:2016)  
Metallic industrial piping – Part 2: Materials (EN 13480-2:2012/A2:2016)

**HRN EN ISO 14456:2016** en pr

Plinske boce – Svojstva plina i pridružene razredbene (FTSC) oznake (ISO 14456:2015;  
EN ISO 14456:2016)  
Gas cylinders – Gas properties and associated classification (FTSC) codes (ISO 14456:2015;  
EN ISO 14456:2016)

## **HN/T 564, Uljarice, biljna i životinjska ulja i masti**

**HRN EN ISO 12966-3:2016** en pr

Životinjske i biljne masti i ulja – Određivanje metilnih estera masnih kiselina plinskom kromatografijom – 3. dio: Priprava metilnih estera uporabom trimetilsulfono hidroksida (TMSH) (ISO 12966-3:2016;  
EN ISO 12966-3:2016)  
Animal and vegetable fats and oils – Gas chromatography of fatty acid methyl esters – Part 3:  
Preparation of methyl esters using trimethylsulfonium hydroxide (TMSH) (ISO 12966-3:2016;  
EN ISO 12966-3:2016)

**HRN EN 14112:2016** en pr

Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje oksidativne stabilnosti (ubrzani test oksidacije) (EN 14112:2016)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of oxidation stability  
(accelerated oxidation test) (EN 14112:2016)

## **HN/T 566, Mlijeko i mliječni proizvodi**

**HRN ISO 9874:2007/Ispr.1:2016** en pr

Mlijeko – Određivanje udjela ukupnog fosfora – Metoda uporabom molekularne apsorpcijske spektrometrije (ISO 9874:2006/Cor 1:2007)  
Milk – Determination of total phosphorus content – Method using molecular absorption spectrometry (ISO 9874:2006/Cor 1:2007)

**HRN EN ISO 11816-2:2016** en pr

Mlijeko i mliječni proizvodi – Određivanje aktivnosti alkalne fosfataze – 2. dio: Fluorometrijska metoda za sir (ISO 11816-2:2016; EN ISO 11816-2:2016)  
Milk and milk products – Determination of alkaline phosphatase activity – Part 2: Fluorimetric method for cheese (ISO 11816-2:2016; EN ISO 11816-2:2016)

## **HN/T0 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom**

**HRN EN 1377:1998/Ispr.1:2016** en pr

Namirnice – Određivanje količine acesulfama K u stolnim umjetnim sladilima – Spektrometrijska metoda (EN 1377:1996/AC:1996)

Foodstuffs – Determination of acesulfame K in table top sweetener preparations – Spectrometric method (EN 1377:1996/AC:1996)

**HRN EN 1379:1998/Ispr.1:2016** en pr

Namirnice – Određivanje količine ciklamata i saharina u tekućim stolnim umjetnim sladilima – Metoda tekućinske kromatografije visokog učinka (EN 1379:1996/AC:1996)

Foodstuffs – Determination of cyclamate and saccharin in liquid table top sweetener preparations – Method by high performance liquid chromatography (EN 1379:1996/AC:1996)

## **HN/T0 569, Hrana za životinje**

**HRN ISO 5984:2004/Ispr.1:2016** en pr

Stočna hrana – Određivanje pepela – Tehnički ispravak 1 (ISO 5984:2002/Cor 1:2005)

Animal feeding stuffs – Determination of crude ash – Technical corrigendum 1 (ISO 5984:2002/Cor 1:2005)

**HRN ISO 5985:2004/Ispr.1:2016** en pr

Stočna hrana – Određivanje pepela netopljivog u klorovodičnoj kiselini – Tehnički ispravak 1 (ISO 5985:2002/Cor 1:2005)

Animal feeding stuffs – Determination of ash insoluble in hydrochloric acid – Technical corrigendum 1 (ISO 5985:2002/Cor 1:2005)

## **HN/T0 571, Sport, igrališta i ostali rekreatijski sadržaji i oprema**

**HRN EN 892:2016** en pr

Planinarska oprema – Dinamička užad – Sigurnosni zahtjevi i metode ispitivanja (EN 892:2012+A1:2016)

Mountaineering equipment – Dynamic mountaineering ropes – Safety requirements and test methods (EN 892:2012+A1:2016)

## **HN/T0 E9, Električna oprema za željeznicu**

**HRN EN 50367:2013/A1:2016** en pr

Željeznički sustav – Sustavi oduzimača struje – Tehnički uvjeti za međusobno djelovanje pantografa i kontaktnog voda (omogućavanje slobodnog pristupa) (EN 50367:2012/A1:2016)

Railway applications – Current collection systems – Technical criteria for the interaction between pantograph and overhead line (to achieve free access) (EN 50367:2012/A1:2016)

**HRN EN 62625-2:2016** en pr

Elektronička oprema za željeznice – Sustav snimanja podataka o vožnji na vozilu – 2. dio: Ispitivanje sukladnosti (IEC 62625-2:2016; EN 62625-2:2016)

Electronic railway equipment – On board driving data recording system – Part 2: Conformity testing (IEC 62625-2:2016; EN 62625-2:2016)

## **HN/T0 E22, Energetska elektronika**

**HRN EN 50598-2:2015/A1:2016** en pr

Ekološko projektiranje za elektromotorne sustave, motorske pokretače, energetsku elektroniku i opremu koju pogone – 2. dio: Pokazatelji energetske djelotvornosti za elektromotorne sustave i motorske pokretače (EN 50598-2:2014/A1:2016)

Ecodesign for power drive systems, motor starters, power electronics & their driven applications – Part 2: Energy efficiency indicators for power drive systems and motor starters (EN 50598-2:2014/A1:2016)

## **HN/T0 E23, Električni instalacijski pribor**

### **HRN EN 60669-2-5:2016 en pr**

Sklopke za kućanstvo i slične fiksne električne instalacije – Dio 2-5: Posebni zahtjevi – Prekidači i odgovarajući pribor za uporabu u električnim sustavima u stanovima i zgradama (HBES) (IEC 60669-2-5:2013; EN 60669-2-5:2016)

Switches for household and similar fixed electrical installations – Part 2-5: Particular requirements – Switches and related accessories for use in home and building electronic systems (HBES) (IEC 60669-2-5:2013; EN 60669-2-5:2016)

### **HRN EN 61058-1-1:2016 en pr**

Sklopke za aparate – Dio 1-1: Zahtjevi za mehaničke sklopke (IEC 61058-1-1:2016; EN 61058-1-1:2016)

Switches for appliances – Part 1-1: Requirements for mechanical switches (IEC 61058-1-1:2016; EN 61058-1-1:2016)

### **HRN EN 61058-1-2:2016 en pr**

Sklopke za aparate – Dio 1-2: Zahtjevi za električne sklopke (IEC 61058-1-2:2016; EN 61058-1-2:2016)

Switches for appliances – Part 1-2: Requirements for electronic switches (IEC 61058-1-2:2016; EN 61058-1-2:2016)

### **HRN EN 62752:2016 en pr**

Upravljački i zaštitni uređaj unutar kabela (IC-CPD) za punjenje električnih cestovnih vozila načinom "2" (IEC 62752:2016; EN 62752:2016)

In-cable control and protection device for mode 2 charging of electric road vehicles (IC-CPD) (IEC 62752:2016; EN 62752:2016)

## **HN/T0 E31, Eksplozivne atmosfere**

### **HRI CEN/TR 16829:2016 en pr**

Sprječavanje i zaštita od požara i eksplozije za vjedričaste elevatore (CEN/TR 16829:2016)  
Fire and explosion prevention and protection for bucket elevators (CEN/TR 16829:2016)

## **HN/T0 E34, Žarulje, svjetiljke i priopadna oprema**

### **HRN EN 60061-1:2008/A54:2016 en pr**

Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am54:2016; EN 60061-1:1993/A54:2016)

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/am54:2016; EN 60061-1:1993/A54:2016)

### **HRN EN 60061-2:2008/A51:2016 en pr**

Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 2. dio: Grla za žarulje (IEC 60061-2:1969/am51:2016; EN 60061-2:1993/A51:2016)

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/am51:2016; EN 60061-2:1993/A51:2016)

### **HRN EN 60061-3:2008/A52:2016 en pr**

Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 3. dio: Granična mjerila (IEC 60061-3:1969/am52:2016; EN 60061-3:1993/A52:2016)

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/am52:2016; EN 60061-3:1993/A52:2016)

### **HRN EN 60598-2-22:2015/Ispr.3:2016 en pr**

Svjetiljke – Dio 2-22: Posebni zahtjevi – Svjetiljke za rasvjetu u slučaju opasnosti (EN 60598-2-22:2014/AC:2016-09)

Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting (EN 60598-2-22:2014/AC:2016-09)

## **HN/T0 E45, Nuklearna instrumentacija**

**HRN EN 60965:2016** en pr

Nuklearne elektrane – Kontrolne sobe – Pomoćna kontrolna soba za gašenje reaktora bez pristupa glavnoj kontrolnoj sobi (IEC 60965:2016; EN 60965:2016)

Nuclear power plants – Control rooms – Supplementary control room for reactor shutdown without access to the main control room (IEC 60965:2016; EN 60965:2016)

**HRN EN 62808:2016** en pr

Nuklearne elektrane – Instrumentacija i kontrolni sustavi važni za sigurnost – Izvedba i kvalifikacija izolacijskih naprava (IEC 62808:2015; EN 62808:2016)

Nuclear power plants – Instrumentation and control systems important to safety – Design and qualification of isolation devices (IEC 62808:2015; EN 62808:2016)

## **HN/T0 E57, Upravljanje energetskim sustavom i pridružene komunikacije**

**HRN EN 62325-351:2016** en pr

Okvir za komunikaciju na tržištu električnom energijom – 351. dio: CIM europski model za razmjenu podataka na tržištu električnom energijom (IEC 62325-351:2016; EN 62325-351:2016)

Framework for energy market communications – Part 351: CIM European market model exchange profile (IEC 62325-351:2016; EN 62325-351:2016)

**HRN EN 62325-451-6:2016** en pr

Okvir za komunikaciju na tržištu električnom energijom – Dio 451-6: Objava informacija o tržišnim, kontekstualnim i skupnim modelima za europsko tržište (IEC 62325-451-6:2016; EN 62325-451-6:2016)

Framework for energy market communications – Part 451-6: Publication of information on market, contextual and assembly models for European style market (IEC 62325-451-6:2016; EN 62325-451-6:2016)

**HRN EN 62361-100:2016** en pr

Upravljanje energetskim sustavima i povezana razmjena podataka – Dugoročna interoperabilnost – 100. dio: Mapiranje CIM profila u XML sheme (IEC 62361-100:2016; EN 62361-100:2016)

Power systems management and associated information exchange – Interoperability in the long term – Part 100: CIM profiles to XML schema mapping (IEC 62361-100:2016; EN 62361-100:2016)

## **HN/T0 E61, Sigurnost električnih kućanskih i sličnih aparata**

**HRI CLC/TR 50417:2016** en pr

Sigurnost kućanskih i sličnih električnih aparata – Interpretacije koje se odnose na europske norme serije EN 60335 (CLC/TR 50417:2016)

Safety of household and similar electrical appliances – Interpretations related to European Standards in the EN 60335 series (CLC/TR 50417:2016)

## **HN/T0 E62, Električna oprema u medicinskoj praksi**

**HRN EN 60601-2-3:2015/A1:2016** en pr

Medicinski električni uređaji – Dio 2-3: Posebni sigurnosni zahtjevi za osnovnu sigurnost i bitne radne značajke kratkovalnih terapijskih uređaja (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)

Medical electrical equipment – Part 2-3: Particular requirements for the basic safety and essential performance of short-wave therapy equipment (IEC 60601-2-3:2012/am1:2016; EN 60601-2-3:2015/A1:2016)

**HRN EN 60601-2-6:2015/A1:2016** en pr

Medicinski električni uređaji – Dio 2-6: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke mikrovalnih terapijskih uređaja (IEC 60601-2-6:2012/am1:2016; EN 60601-2-6:2015/A1:2016)

Medical electrical equipment – Part 2-6: Particular requirements for the basic safety and essential performance of microwave therapy equipment (IEC 60601-2-6:2012/am1:2016; EN 60601-2-6:2015/A1:2016)

## **HN/T 65, Mjerenje, vođenje i automatizacija industrijskih procesa**

### **HRN EN 61069-5:2016 en pr**

Industrijsko procesno mjerjenje, upravljanje i automatizacija – Procjena svojstava sustava u svrhu ocjenjivanja sustava – 5. dio: Ocjenjivanje ovisnosti sustava (IEC 61069-5:2016; EN 61069-5:2016)  
Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 5: Assessment of system dependability (IEC 61069-5:2016; EN 61069-5:2016)

### **HRN EN 61069-6:2016 en pr**

Industrijsko procesno mjerjenje, upravljanje i automatizacija – Procjena svojstava sustava u svrhu ocjenjivanja sustava – 6. dio: Ocjenjivanje operabilnosti sustava (IEC 61069-6:2016; EN 61069-6:2016)

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 6: Assessment of system operability (IEC 61069-6:2016; EN 61069-6:2016)

### **HRN EN 61069-7:2016 en pr**

Industrijsko procesno mjerjenje, upravljanje i automatizacija – Procjena svojstava sustava u svrhu ocjenjivanja sustava – 7. dio: Ocjenjivanje sigurnosti sustava (IEC 61069-7:2016; EN 61069-7:2016)

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 7: Assessment of system safety (IEC 61069-7:2016; EN 61069-7:2016)

### **HRN EN 61069-8:2016 en pr**

Industrijsko procesno mjerjenje, upravljanje i automatizacija – Procjena svojstava sustava u svrhu ocjenjivanja sustava – 8. dio: Ocjenjivanje ostalih svojstava sustava (IEC 61069-8:2016; EN 61069-8:2016)

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 8: Assessment of other system properties (IEC 61069-8:2016; EN 61069-8:2016)

### **HRN EN 61515:2016 en pr**

Mineralnom tvari izolirani kabeli s metalnom zaštitom za termoparove i termoparovi (IEC 61515:2016; EN 61515:2016)

Mineral insulated metal sheathed thermocouple cables and thermocouples (IEC 61515:2016; EN 61515:2016)

### **HRN EN 61784-3:2016 en pr**

Industrijske komunikacijske mreže – Profili – 3. dio: Industrijske sabirnice (fieldbus) za funkciju sigurnost – Opća pravila i definicije profila (IEC 61784-3:2016; EN 61784-3:2016)

Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2016; EN 61784-3:2016)

### **HRN EN 62591:2016 en pr**

Industrijske komunikacijske mreže – Bežična komunikacijska mreža i komunikacijski profili – WirelessHART™ (IEC 62591:2016; EN 62591:2016)

Industrial communication networks – Wireless communication network and communication profiles – WirelessHART™ (IEC 62591:2016; EN 62591:2016)

## **HN/T0 E79, Alarmni sustavi**

**HR S CLC/TS 50131-2-9:2016 en pr**

Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-9: Protuprovalni detektori – Aktivni infracrveni detektori (CLC/TS 50131-2-9:2016)

Alarm systems – Intrusion and hold-up systems – Part 2-9: Intrusion detectors – Active infrared beam detectors (CLC/TS 50131-2-9:2016)

## **HN/T0 E100, Audio, video i multimedijski sustavi te njihova oprema**

**HR N EN 61937-7:2008/A1:2016 en pr**

Digitalni audio – Sučelje za nelinearne tokove audio bitova kodiranih pulsno-kodnom modulacijom (PCM) koji primjenjuju IEC 60958 – 7. dio: Nelinearni tokovi bitova kodiranih pulsno-kodnom modulacijom (PCM) prema formatima ATRAC, ATRAC2/3 i ATRAC-X (IEC 61937-7:2004/am1:2016; EN 61937-7:2005/A1:2016)

Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 7: Non-linear PCM bitstreams according to the ATRAC, ATRAC2/3 and ATRAC-X formats (TA 4) (IEC 61937-7:2004/am1:2016; EN 61937-7:2005/A1:2016)

**HR N EN 61966-2-4:2008/A1:2016 en pr**

Multimedia systems and equipment – Colour measurement and management – Part 2-4: Colour management – Extended-gamut YCC colour space for video applications – xvYCC (IEC 61966-2-4:2006/am1:2016; EN 61966-2-4:2006/A1:2016)

## **HN/T0 E108, Sigurnost električke opreme u području audio, video, informacijske i komunikacijske tehnologije**

**HR N EN 60990:2016 en pr**

Metode mjerena struje dodira i struje zaštitnog vodiča (IEC 60990:2016; EN 60990:2016)

Methods of measurement of touch current and protective conductor current (IEC 60990:2016; EN 60990:2016)

## **HN/T0 E112, Procjena i značajke električnih izolacijskih materijala i sustava**

**HR N EN 62631-3-1:2016 en pr**

Dielektrična i otporna svojstva čvrstih izolacijskih materijala – Dio 3-1: Određivanje otpornih svojstava (Metode istosmjerne struje) – Ukupan otpor i specifičan otpor – Opća metoda (IEC 62631-3-1:2016; EN 62631-3-1:2016)

Dielectric and resistive properties of solid insulating materials – Part 3-1: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – General method (IEC 62631-3-1:2016; EN 62631-3-1:2016)

## **HN/T0 E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama**

**HR N EN 61000-1-2:2016 en pr**

Elektromagnetska kompatibilnost (EMC) – Dio 1-2: Općenito – Metodologija za postizanje funkcionalne sigurnosti električnih i električnih sustava uključujući opremu koja se odnosi na elektromagnetske pojave (IEC 61000-1-2:2016; EN 61000-1-2:2016)

Electromagnetic compatibility (EMC) – Part 1-2: General – Methodology for the achievement of functional safety of electrical and electronic systems including equipment with regard to electromagnetic phenomena (IEC 61000-1-2:2016; EN 61000-1-2:2016)

**HR N EN 61000-4-9:2016 en pr**

Elektromagnetska kompatibilnost (EMC) – Dio 4-9: Ispitne i mjerne tehnike – Ispitivanje otpornosti na impulsno magnetsko polje (IEC 61000-4-9:2016; EN 61000-4-9:2016)

Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Impulse magnetic field immunity test (IEC 61000-4-9:2016; EN 61000-4-9:2016)

## **HN/T0 E501, Elektroakustika i ultrazvuk**

### **HRN EN 61094-3:2016 en pr**

Elektroakustika – Mjerni mikrofoni – 3. dio: Apsolutno umjeravanje laboratorijskih etalonskih mikrofona metodom recipročnosti u slobodnom polju (IEC 61094-3:2016; EN 61094-3:2016)

Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-3:2016; EN 61094-3:2016)

### **HRN EN 61094-5:2016 en pr**

Elektroakustika – Mjerni mikrofoni – 5. dio: Metode tlačnog umjeravanja mikrofona radnih etalona, usporedbom (IEC 61094-5:2016; EN 61094-5:2016)

Electroacoustics – Measurement microphones – Part 5: Methods for pressure calibration of working standard microphones by comparison (IEC 61094-5:2016; EN 61094-5:2016)

## **HN/T0 T4, Normizacija u telekomunikacijama**

### **HRN EN 300 065 V2.1.2:2016 en pr**

Uskopojasna telegrafska oprema izravnog ispisa za primanje meteoroloških i navigacijskih informacija (NAVTEX) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članaka 3.2 i 3.3(g) direktive 2014/53/EU (EN 300 065 V2.1.2:2016)

Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU (EN 300 065 V2.1.2:2016)

### **HRN EN 300 086 V2.1.2:2016 en pr**

Kopnena pokretna služba – Radijska oprema s integriranim ili izvanjskim RF priključkom namijenjena primarno za analogni govor – Harmonizirana europska norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 300 086 V2.1.2:2016)

Land Mobile Service – Radio equipment with an internal or external RF connector intended primarily for analogue speech – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 300 086 V2.1.2:2016)

### **HRN EN 300 113 V2.1.1:2016 en pr**

Kopnena pokretna služba – Radijska oprema namijenjena prijenosu podataka (i/ili govora) sa stalnom ili promjenjivom modulacijskom ovojnicom i antenskim spojnikom – Harmonizirana europska norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 300 113 V2.1.1:2016)

Land Mobile Service – Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 300 113 V2.1.1:2016)

### **HRN EN 300 698 V2.1.1:2016 en pr**

Radio telefonski odašiljači i prijamnici za pomorsku pokretnu službu koja radi u VHF pojasima, namijenjeni za kopnene vodene puteve – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članaka 3.2 i 3.3(g) Direktive 2014/53/EU (EN 300 698 V2.1.1:2016)

Radio telephone transmitters and receivers for the maritime mobile service operating in the VHF bands used on inland waterways – Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU (EN 300 698 V2.1.1:2016)

### **HRN EN 300 744 V1.6.2:2016 en pr**

Digitalna video difuzija (DVB) – Struktura vremenskog odabira, kodiranje kanala i modulacija za digitalnu terestrijalnu televiziju (EN 300 744 V1.6.2:2015)

Digital Video Broadcasting (DVB) – Framing structure, channel coding and modulation for digital terrestrial television (EN 300 744 V1.6.2:2015)

**HRN EN 301 502 V12.5.1:2016 en pr**

Globalni sustav pokretnih komunikacija (GSM) – Oprema baznih postaja (BS) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 301 502 V12.5.1:2016)  
Global System for Mobile communications (GSM) – Base Station (BS) equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
(EN 301 502 V12.5.1:2016)

**HRN EN 301 908-1 V11.1.1:2016 en pr**

Celularne mreže IMT – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 1. dio: Uvod i opći zahtjevi (EN 301 908-1 V11.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Introduction and common requirements (EN 301 908-1 V11.1.1:2016)

**HRN EN 301 908-3 V11.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 3. dio: Bazne postaje (BS) za CDMA s izravnim raspršivanjem (UTRA FDD)  
(EN 301 908-3 V11.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)  
(EN 301 908-3 V11.1.1:2016)

**HRN EN 301 908-12 V7.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 12. dio: Repetitori za CDMA s višestrukim nositeljem (cdma2000)  
(EN 301 908-12 V7.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 12: CDMA Multi-Carrier (cdma2000) Repeaters  
(EN 301 908-12 V7.1.1:2016)

**HRN EN 301 908-14 V11.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 14. dio: Bazne postaje (BS) za razvijeni univerzalni terestrijalni radijski pristup (E-UTRA)  
(EN 301 908-14 V11.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)  
(EN 301 908-14 V11.1.1:2016)

**HRN EN 301 908-15 V11.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU – 15. dio: Repetitori za razvijeni univerzalni terestrijalni radijski pristup (E-UTRA)  
(EN 301 908-15 V11.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 15: Evolved Universal Terrestrial Radio Access (E-UTRA FDD) Repeaters  
(EN 301 908-15 V11.1.1:2016)

**HRN EN 301 908-18 V11.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 18. dio: E-UTRA, UTRA i GSM/EDGE bazna postaja (BS) multistandardnog radija (MSR)  
(EN 301 908-18 V11.1.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)  
(EN 301 908-18 V11.1.1:2016)

**HRN EN 301 908-19 V6.3.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 19. dio: OFDMA TDD WMAN (pokretni WiMAX™) korisnička oprema (UE)  
(EN 301 908-19 V6.3.1:2016)  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 19: OFDMA TDD WMAN (Mobile WiMAX™) TDD User Equipment (UE)  
(EN 301 908-19 V6.3.1:2016)

**HRN EN 301 908-20 V6.3.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 20. dio: OFDMA TDD WMAN (pokretni WiMAXTM) bazne postaje (BS) (EN 301 908-20 V6.3.1:2016)

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 20: OFDMA TDD WMAN (Mobile WiMAXTM) TDD Base Stations (BS) (EN 301 908-20 V6.3.1:2016)

**HRN EN 301 908-21 V6.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 21. dio: OFDMA TDD WMAN (pokretni WiMAXTM) korisnička oprema (UE) (EN 301 908-21 V6.1.1:2016)

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 21: OFDMA TDD WMAN (Mobile WiMAXTM) FDD User Equipment (UE) (EN 301 908-21 V6.1.1:2016)

**HRN EN 301 908-22 V6.1.1:2016 en pr**

IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direkutive 2014/53/EU – 22. dio: OFDMA TDD WMAN (pokretni WiMAXTM) bazne postaje (BS) (EN 301 908-22 V6.1.1:2016)

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 22: OFDMA TDD WMAN (Mobile WiMAXTM) FDD Base Stations (BS) (EN 301 908-22 V6.1.1:2016)

**HRN EN 302 186 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi – Harmonizirana norma za satelitske pokretne zrakoplovne zemaljske postaje (AESs) u frekvencijskim pojasima 11/12/14 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 186 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 186 V2.1.1:2016)

**HRN EN 302 195 V2.1.1:2016 en pr**

Uređaji kratkoga dometa (SRD) – Aktivni medicinski implantati ultra niske snage (ULP-AMI) i oprema u frekvencijskom području od 9 kHz do 315 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 195 V2.1.1:2016)

Short Range Devices (SRD) – Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 195 V2.1.1:2016)

**HRN EN 302 340 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi – Harmonizirana norma za zemaljske satelitske postaje na palubama plovila (ESVs) u frekvencijskim pojasima 11/12/14 GHz predviđene za nepokretnu satelitsku službu (FSS), koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 340 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for satellite Earth Stations on board Vessels (ESVs) operating in the 11/12/14 GHz frequency bands allocated to the Fixed Satellite Service (FSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 340 V2.1.1:2016)

**HRN EN 302 448 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi – Harmonizirana norma za zemaljske postaje za praćenje na vlakovima (ESTs) u frekvencijskim pojasima 14/12 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 448 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for tracking Earth Stations on Trains (ESTs) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 448 V2.1.1:2016)

**HRN EN 302 480 V2.1.1:2016 en pr**

Sustavi pokretnih komunikacija u zrakoplovu (MCOBA) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 480 V2.1.1:2016)

Mobile Communication On Board Aircraft (MCOBA) systems – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 480 V2.1.1:2016)

**HRN EN 302 574-1 V2.1.2:2016 en pr**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje (MES) za MSS u frekvencijskim pojasu od 2 GHz – 1. dio: Komplementarna zemaljska komponenta (CGC) za širokopojasne sustave, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 574-1 V2.1.2:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Complementary Ground Component (CGC) for wideband systems (EN 302 574-1 V2.1.2:2016)

**HRN EN 302 574-2 V2.1.2:2016 en pr**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje (MES) za MSS u frekvencijskim pojasu od 2 GHz – 2. dio: Korisnički uređaji (UE) za širokopojasne sustave, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 574-2 V2.1.2:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: User Equipment (UE) for wideband systems (EN 302 574-2 V2.1.2:2016)

**HRN EN 302 574-3 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za satelitske zemaljske postaje (MES) za MSS u frekvencijskim pojasima od 1 980 MHz do 2 010 MHz (zemlja-svemir) i od 2 170 MHz do 2 200 MHz (svemir-zemlja), koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 3. dio: Korisnički uređaji (UE) za širokopojasne sustave (EN 302 574-3 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1 980 MHz to 2 010 MHz (earth-to-space) and 2 170 MHz to 2 200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: User Equipment (UE) for narrowband systems (EN 302 574-3 V2.1.1:2016)

**HRN EN 302 977 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za zemaljske postaje postavljene na vozila (VMES) u frekvencijskim pojasima 14/12 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 977 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Vehicle-Mounted Earth Stations (VMES) operating in the 14/12 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 977 V2.1.1:2016)

**HRN EN 303 084 V2.1.1:2016 en pr**

Na tlu bazirani prošireni sustav (GBAS) za VHF zemlja-zrak podatkovnu difuziju (VDB) – Tehničke karakteristike i metode mjerjenja za opremu baziranu na tlu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 303 084 V2.1.1:2016)

Ground Based Augmentation System (GBAS) VHF ground-air Data Broadcast (VDB) – Technical characteristics and methods of measurement for ground-based equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 084 V2.1.1:2016)

**HRN EN 303 098 V2.1.1:2016 en pr**

Pomorski osobni uređaji male snage za određivanje položaja koji primjenjuju AIS – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 098 V2.1.1:2016) Maritime low power personal locating devices employing AIS – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 098 V2.1.1:2016)

**HRN EN 303 135 V2.1.1:2016 en pr**

Elektromagnetska kompatibilnost i radijski spektar (ERM) – Obalni nadzor, opsluživanje prometa plovila i lučki radari (CS/VTS/HR) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 135 V2.1.1:2016)

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR) – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 135 V2.1.1:2016)

**HRN EN 303 143 V1.2.1:2016 en pr**

Rekonfigurabilni radijski sustavi (RRS) – Arhitektura sustava za razmjenu informacija između različitih prostorno raspoređenih baza podataka (GLDBs) koji omogućava djelovanje uređaja bijelog prostora (WSDs) (EN 303 143 V1.2.1:2015)

Reconfigurable Radio Systems (RRS) – System architecture for information exchange between different Geo-location Databases (GLDBs) enabling the operation of White Space Devices (WSDs) (EN 303 143 V1.2.1:2015)

**HRN EN 303 144 V1.1.1:2016 en pr**

Rekonfigurativni radijski sustavi (RRS) – Omogućavanje rada kognitivnog radijskog sustava (CRS) koji ovisi o informaciji dobivenoj od geo-lokacijskih baza podataka za upotrebu radijskog spektra – Parametri i postupci za razmjenu informacija između različitih GLDB-a (EN 303 144 V1.1.1:2015)

Reconfigurable Radio Systems (RRS) – Enabling the operation of Cognitive Radio System (CRS) dependent for their use of radio spectrum on information obtained from Geo-location Databases (GLDBs) – Parameters and procedures for information exchange between different GLDBs (EN 303 144 V1.1.1:2015)

**HRN EN 303 145 V1.2.1:2016 en pr**

Rekonfigurabilni radijski sustavi (RRS) – Arhitektura sustava i postupci visoke razine za koordiniranu i nekoordiniranu primjenu TV bijelog prostora (EN 303 145 V1.2.1:2015)

Reconfigurable Radio Systems (RRS) – System Architecture and High Level Procedures for Coordinated and Uncoordinated Use of TV White Spaces (EN 303 145 V1.2.1:2015)

**HRN EN 303 146-2 V1.2.1:2016 en pr**

Radijski sustavi s mogućnošću izmjene konfiguracije (RRS) – Informacijski modeli i protokoli za mobilne uređaje – 2. dio: Radiofrekvencijsko sučelje s mogućnošću izmjene konfiguracije (RRFI) (EN 303 146-2 V1.2.1:2016)

Reconfigurable Radio Systems (RRS) – Mobile Device (MD) information models and protocols – Part 2: Reconfigurable Radio Frequency Interface (RRFI) (EN 303 146-2 V1.2.1:2016)

**HRN EN 303 146-3 V1.2.1:2016 en pr**

Rekonfiguracijski radijski sustavi (RRS) – Informacijski modeli i protokoli radijskih uređaja (MD) – 3. dio: Objedinjeno radijsko sučelje (URA) (EN 303 146-3 V1.2.1:2016)

Reconfigurable Radio Systems (RRS) – Mobile Device (MD) information models and protocols – Part 3: Unified Radio Application Interface (URAI) (EN 303 146-3 V1.2.1:2016)

**HRN EN 303 203 V2.1.1:2016 en pr**

Uređaji kratkoga dometa (SRD) – Mrežni sustavi za prijenos biomedicinskih signala ljudskim tijelom (MBANSs) koji rade u području od 2 483,5 MHz do 2 500 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 303 203 V2.1.1:2015)

Short Range Devices (SRD) – Medical Body Area Network Systems (MBANSs) operating in the 2 483,5 MHz to 2 500 MHz range – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 203 V2.1.1:2015)

**HRN EN 303 204 V2.1.2:2016 en pr**

Umreženi uređaji kratkoga dometa (SRD) – Radijska oprema za uporabu u frekvencijskom području od 870 MHz do 876 MHz s razinama snage do 500 mW – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 204 V2.1.2:2016)

Network Based Short Range Devices (SRD) – Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 204 V2.1.2:2016)

**HRN EN 303 213-6-1 V2.1.1:2016 en pr**

Napredni sustav vođenja i kontrole kretanja površinom (A-SMGCS) – 6. dio: Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU za stavljanje u uporabu radarskih senzora kretanja površinom – 1. poddio: Senzori u X području s impulsnim signalima i snagom odašiljanja do 100 kW (EN 303 213-6-1 V2.1.1:2016)

Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 6: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU for deployed surface movement radar sensors – Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW (EN 303 213-6-1 V2.1.1:2016)

**HRN EN 303 339 V1.1.1:2016 en pr**

Širokopojasne izravne komunikacije zrak-zemlja – Uređaji koji rade u frekvencijskim pojasima od 1 900 MHz do 1 920 MHz i od 5 855 MHz do 5 875 MHz – Fiksne antenske izvedbe – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 303 339 V1.1.1:2016)  
Broadband Direct Air-to-Ground Communications – Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands – Fixed pattern antennas – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU (EN 303 339 V1.1.1:2016)

**HRN EN 303 340 V1.1.2:2016 en pr**

Digitalni terestrijalni TV difuzijski prijamnici – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 303 340 V1.1.2:2016)

Digital Terrestrial TV Broadcast Receivers – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU (EN 303 340 V1.1.2:2016)

**HRN EN 303 372-1 V1.1.1:2016 en pr**

Satelitske zemaljske stanice i sustavi (SES) – Oprema za prijam satelitske radiodifuzije – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 1. dio: Vanjska prijamna jedinica u frekvencijskom pojasu od 10,7 GHz do 12,75 GHz (EN 303 372-1 V1.1.1:2016)

Satellite Earth Stations and Systems (SES) – Satellite broadcast reception equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part-1: Outdoor unit receiving in the 10,7 GHz to 12,75 GHz frequency band (EN 303 372-1 V1.1.1:2016)

**HRN EN 303 372-2 V1.1.1:2016 en pr**

Satelitske zemaljske stanice i sustavi (SES) – Oprema za prijam satelitske radiodifuzije – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 2. dio: Unutarnja jedinica (EN 303 372-2 V1.1.1:2016)

Satellite Earth Stations and Systems (SES) – Satellite broadcast reception equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: Indoor unit (EN 303 372-2 V1.1.1:2016)

**HRN EN 303 387 V1.1.1:2016 en pr**

Rekonfigurabilni radijski sustavi (RRS) – Signalizacijski protokoli i razmjena informacija za koordiniranu upotrebu TV bijelog prostora – Sučelje između kognitivnog radijskog sustava (CRS) i koordinatora spektra (SC) (EN 303 387 V1.1.1:2015)

Reconfigurable Radio Systems (RRS) – Signalling Protocols and information exchange for Coordinated use of TV White Spaces – Interface between Cognitive Radio System (CRS) and Spectrum Coordinator (SC) (EN 303 387 V1.1.1:2015)

**HRN EN 303 609 V12.5.1:2016 en pr**

Globalni sustav mobilnih komunikacija (GSM) – GSM repetitori – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 609 V12.5.1:2016)

Global System for Mobile communications (GSM) – GSM Repeaters – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 609 V12.5.1:2016)

**HRN EN 303 978 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi – Harmonizirana norma za zemaljske postaje na pokretnim platformama (ESOMP) koje odašilju prema satelitima u geostacionarnoj orbiti, u frekvencijskim pojasima od 27,5 GHz do 30,0 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 978 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Earth Stations on Mobile Platforms (ESOMP) transmitting towards satellites in geostationary orbit, operating in the 27,5 GHz to 30,0 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 978 V2.1.1:2016)

**HRN EN 303 979 V2.1.1:2016 en pr**

Satelitske zemaljske postaje i sustavi – Harmonizirana norma za zemaljske postaje na pokretnim platformama koje odašilju prema satelitima u ne-geostacionarnoj orbiti, u frekvencijskim pojasima od 27,5 GHz do 29,1 GHz i od 29,5 GHz do 30,0 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 303 979 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Earth Stations on Mobile Platforms (ESOMP) transmitting towards satellites in non-geostationary orbit, operating in the 27,5 GHz to 29,1 GHz and 29,5 GHz to 30,0 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 303 979 V2.1.1:2016)

**HRN EN 319 102-1 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – Postupci za kreiranje i vrednovanje AdES digitalnih potpisa – 1. dio: Kreiranje i vrednovanje (EN 319 102-1 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – Procedures for Creation and Validation of AdES Digital Signatures – Part 1: Creation and Validation (EN 319 102-1 V1.1.1:2016)

**HRN EN 319 122-1 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – CAdES digitalni potpisi – 1. dio: Gradbeni blokovi i CAdES osnovni potpisi (EN 319 122-1 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Part 1: Building blocks and CAdES baseline signatures (EN 319 122-1 V1.1.1:2016)

**HRN EN 319 122-2 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – CAdES digitalni potpisi – 2. dio: Prošireni CAdES potpisi (EN 319 122-2 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Part 2: Extended CAdES signatures (EN 319 122-2 V1.1.1:2016)

**HRN EN 319 132-1 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – XAdES digitalni potpisi – 1. dio: Gradbeni blokovi i XAdES osnovni potpisi (EN 319 132-1 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Part 1: Building blocks and XAdES baseline signatures (EN 319 132-1 V1.1.1:2016)

**HRN EN 319 132-2 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – XAdES digitalni potpisi – 2. dio: Prošireni XAdES digitalni potpisi (EN 319 132-2 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Part 2: Extended XAdES signatures (EN 319 132-2 V1.1.1:2016)

**HRN EN 319 142-1 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – PAdES digitalni potpisi – 1. dio: Izgrađujući blokovi i PAdES temeljni potpisi (EN 319 142-1 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Part 1: Building blocks and PAdES baseline signatures (EN 319 142-1 V1.1.1:2016)

**HRN EN 319 142-2 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – XAdES digitalni potpisi – 2. dio: Dodatni profili PAdES potpisa (EN 319 142-2 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Part 2: Additional PAdES signatures profiles (EN 319 142-2 V1.1.1:2016)

**HRN EN 319 162-1 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – Pridruženi spremnici potpisa (ASIC) – 1. dio: Gradbeni blokovi i osnovni ASIC spremnici (EN 319 162-1 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASIC) – Part 1: Building blocks and ASIC baseline containers (EN 319 162-1 V1.1.1:2016)

**HRN EN 319 162-2 V1.1.1:2016 en pr**

Elektronički potpisi i infrastrukture (ESI) – Pridruženi spremnici potpisa (ASIC) – 2. dio: Dodatni ASIC spremnici (EN 319 162-2 V1.1.1:2016)

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASIC) – Part 2: Additional ASIC containers (EN 319 162-2 V1.1.1:2016)

**HZN/TO Z1, Informacijska tehnologija**

**HRN EN ISO/IEC 27037:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Smjernice za prepoznavanje, skupljanje, pribavljanje i očuvanje digitalnih dokaza (ISO/IEC 27037:2012; EN ISO/IEC 27037:2016)

Information technology – Security techniques – Guidelines for identification, collection, acquisition and preservation of digital evidence (ISO/IEC 27037:2012; EN ISO/IEC 27037:2016)

**HRN EN ISO/IEC 27038:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Specifikacija digitalne redakcije (ISO/IEC 27038:2014; EN ISO/IEC 27038:2016)

Information technology – Security techniques – Specification for digital redaction (ISO/IEC 27038:2014; EN ISO/IEC 27038:2016)

**HRN EN ISO/IEC 27040:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Sigurnost pohrane (ISO/IEC 27040:2015; EN ISO/IEC 27040:2016)

Information technology – Security techniques – Storage security (ISO/IEC 27040:2015; EN ISO/IEC 27040:2016)

**HRN EN ISO/IEC 27041:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Smjernice za osiguranje prikladnosti i opravdanosti metode istraživanja incidenta (ISO/IEC 27041:2015; EN ISO/IEC 27041:2016)

Information technology – Security techniques – Guidance on assuring suitability and adequacy of incident investigative method (ISO/IEC 27041:2015; EN ISO/IEC 27041:2016)

**HRN EN ISO/IEC 27042:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Smjernice za analizu i interpretaciju digitalnih dokaza (ISO/IEC 27042:2015; EN ISO/IEC 27042:2016)

Information technology – Security techniques – Guidelines for the analysis and interpretation of digital evidence (ISO/IEC 27042:2015; EN ISO/IEC 27042:2016)

**HRN EN ISO/IEC 27043:2016 en pr**

Informacijska tehnologija – Sigurnosne tehnike – Principi i postupci u itraživanju incidenta (ISO/IEC 27043:2015; EN ISO/IEC 27043:2016)

Information technology – Security techniques – Incident investigation principles and processes (ISO/IEC 27043:2015; EN ISO/IEC 27043:2016)

**HRN EN ISO/IEC 30121:2016** en pr  
Informacijska tehnologija – Okvir upravljanja rizikom digitalne forenzike (ISO/IEC 30121:2015; EN ISO/IEC 30121:2016)  
Information technology – Governance of digital forensic risk framework (ISO/IEC 30121:2015; EN ISO/IEC 30121:2016)

## **HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija**

**HRS CEN/CLC ISO/IEC/TS 17021-2:2016** en pr  
Ocenjivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 2. dio: Zahtjevi sposobljenosti za auditiranje i certifikaciju sustava upravljanja okolišem (ISO/IEC/TS 17021-2:2012; CEN/CLC ISO/IEC/TS 17021-2:2016)  
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of environmental management systems (ISO/IEC/TS 17021-2:2012; CEN/CLC ISO/IEC/TS 17021-2:2016)

**HRS CEN/CLC ISO/IEC/TS 17021-3:2016** en pr  
Ocenjivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 3. dio: Zahtjevi sposobljenosti za auditiranje i certifikaciju sustava upravljanja kvalitetom (ISO/IEC/TS 17021-3:2013; CEN/CLC ISO/IEC/TS 17021-3:2016)  
Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 3: Competence requirements for auditing and certification of quality management systems (ISO/IEC/TS 17021-3:2013; CEN/CLC ISO/IEC/TS 17021-3:2016)

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

**HRN EN ISO 17296-2:2016** en pr  
Proizvodnja aditiva – Opća načela – 2. dio: Pregled kategorija procesa i sirovina (ISO 17296-2:2015; EN ISO 17296-2:2016)  
Additive manufacturing – General principles – Part 2: Overview of process categories and feedstock (ISO 17296-2:2015; EN ISO 17296-2:2016)

**HRN EN ISO 17296-3:2016** en pr  
Proizvodnja aditiva – Opća načela – 3. dio: Glavne značajke i odgovarajuće metode ispitivanja (ISO 17296-3:2014; EN ISO 17296-3:2016)  
Additive manufacturing – General principles – Part 3: Main characteristics and corresponding test methods (ISO 17296-3:2014; EN ISO 17296-3:2016)

**HRN EN ISO 17296-4:2016** en pr  
Proizvodnja aditiva – Opća načela – 4. dio: Pregled obrade podataka (ISO 17296-4:2014; EN ISO 17296-4:2016)  
Additive manufacturing – General principles – Part 4: Overview of data processing (ISO 17296-4:2014; EN ISO 17296-4:2016)

**HRN EN ISO/ASTM 52921:2016** en pr  
Standardno nazivlje u proizvodnji aditiva – Koordinatni sustavi i metode ispitivanja (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)  
Standard terminology for additive manufacturing – Coordinate systems and test methodologies (ISO/ASTM 52921:2013; EN ISO/ASTM 52921:2016)

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

**HRN EN 16974:2016** en pr  
Transportne trake – Otpor vučnog valjanja ovisno o širini trake – Zahtjevi, ispitivanja (EN 16974:2016)  
Conveyor belts – Indentation rolling resistance related to belt width – Requirements, testing (EN 16974:2016)

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

### **HRN EN ISO 6009:2016 en pr**

Igle za potkožnu injekciju za jednokratnu upotrebu – Obilježavanje bojom radi identifikacije (ISO 6009:2016; EN ISO 6009:2016)

Hypodermic needles for single use – Colour coding for identification (ISO 6009:2016; EN ISO 6009:2016)

### **HRN EN ISO 7864:2016 en pr**

Sterilne igle za potkožnu injekciju za jednokratnu upotrebu – Zahtjevi i metode ispitivanja (ISO 7864:2016; EN ISO 7864:2016)

Sterile hypodermic needles for single use – Requirements and test methods (ISO 7864:2016; EN ISO 7864:2016)

### **HRN EN ISO 9626:2016 en pr**

Kanile od nehrđajućeg čelika za izradu medicinskih proizvoda – Zahtjevi i metode ispitivanja (ISO 9626:2016; EN ISO 9626:2016)

Stainless steel needle tubing for the manufacture of medical devices – Requirements and test methods (ISO 9626:2016; EN ISO 9626:2016)

### **HRN EN ISO 10139-2:2016 en pr**

Stomatologija – Mekani materijali za podlaganje mobilnih zubnih proteza – 2. dio: Materijali za dugotrajnu upotrebu (ISO 10139-2:2016; EN ISO 10139-2:2016)

Dentistry – Soft lining materials for removable dentures – Part 2: Materials for long-term use (ISO 10139-2:2016; EN ISO 10139-2:2016)

### **HRN EN ISO 17254:2016 en pr**

Stomatologija – Spiralne opruge za upotrebu u ortodonciji (ISO 17254:2016; EN ISO 17254:2016)

Dentistry – Coiled springs for use in orthodontics (ISO 17254:2016; EN ISO 17254:2016)

## **HN/TU S2, Zdravlje, okoliš i medicinska oprema 2**

### **HRN EN 16170:2016 en pr**

Mulj, obrađeni biootpadi i tlo – Određivanje elemenata uporabom optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP-OES) (EN 16170:2016)

Sludge, treated biowaste and soil – Determination of elements using inductively coupled plasma optical emission spectrometry (ICP-OES) (EN 16170:2016)

### **HRN EN 16171:2016 en pr**

Mulj, obrađeni biootpadi i tlo – Određivanje elemenata uporabom spektrometrije masa s induktivno spregnutom plazmom (ICP-MS) (EN 16171:2016)

Sludge, treated biowaste and soil – Determination of elements using inductively coupled plasma mass spectrometry (ICP-MS) (EN 16171:2016)

### **HRN EN 16175-1:2016 en pr**

Mulj, obrađeni biootpadi i tlo – Određivanje žive – 1. dio: Atomska apsorpcijska spektrometrija tehnikom hladne pare (CV-AAS) (EN 16175-1:2016)

Sludge, treated biowaste and soil – Determination of mercury – Part 1: Cold-vapour atomic absorption spectrometry (CV-AAS) (EN 16175-1:2016)

### **HRN EN 16175-2:2016 en pr**

Mulj, obrađeni biootpadi i tlo – Određivanje žive – 2. dio: Atomska fluorescentna spektrometrija tehnikom hladne pare (CV-AFS) (EN 16175-2:2016)

Sludge, treated biowaste and soil – Determination of mercury – Part 2: Cold-vapour atomic fluorescence spectrometry (CV-AFS) (EN 16175-2:2016)

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

### **HRN EN 2714-014:2016 en pr**

Zrakoplovstvo – Kabeli, električni, jednožilni i višežilni za opću upotrebu – Radna temperatura između -55 °C i 260 °C – Dio 014: DR porodica, sa 4 do 11 žila, vezani, oklopljeni (opleteni) i obloženi, za ispis UV laserskim pisačem – Norma za proizvod (EN 2714-014:2016)

Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between -55 °C and 260 °C – Part 014: DR family, 4 to 11 cores, taped, screened (braided) and jacketed, UV laser printable – Product standard (EN 2714-014:2016)

### **HRN EN 2997-002:2016 en pr**

Zrakoplovstvo – Spojnice, električne, kružne, spojene navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – Dio 002: Specifikacije značajki i položaji kontakta (EN 2997-002:2016)

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 002: Specification of performance and contact arrangements (EN 2997-002:2016)

### **HRN EN 2997-005:2016 en pr**

Zrakoplovstvo – Spojnice, električne, kružne, spojene navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – Dio 005: Hermetička utičnica s kvadratnom prirubnicom – Norma za proizvod (EN 2997-005:2016)

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 005: Hermetic square flange receptacle – Product standard (EN 2997-005:2016)

### **HRN EN 2997-007:2016 en pr**

Zrakoplovstvo – Spojnice, električne, kružne, spojene navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – Dio 007: Hermetička utičnica s okruglom prirubnicom pričvršćenom zavarivanjem ili tvrdim lemljenjem – Norma za proizvod (EN 2997-007:2016)

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 007: Hermetic receptacle with round flange attached by welding or brazing – Product standard (EN 2997-007:2016)

### **HRN EN 3155-001:2016 en pr**

Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 001: Tehnička specifikacija (EN 3155-001:2016)

Aerospace series – Electrical contacts used in elements of connection – Part 001: Technical Specification (EN 3155-001:2016)

### **HRN EN 3375-007:2016 en pr**

Zrakoplovstvo – Električni kabeli za prijenos digitalnih podataka – Dio 007: Dvostruko pleteni – 77 Oma – Tip WW – Norma za proizvod (EN 3375-007:2016)

Aerospace series – Cable, electrical, for digital data transmission – Part 007: Double braid – 77 Ohms – Type WW – Product standard (EN 3375-007:2016)

### **HRN EN 3375-009:2016 en pr**

Zrakoplovstvo – Električni kabeli za prijenos digitalnih podataka – Dio 009: Jednostruko pleteni – CAN protokol spajanja – 120 Oma – Tip WX – Norma za proizvod (EN 3375-009:2016)

Aerospace series – Cable, electrical, for digital data transmission – Part 009: Single braid – CAN Bus – 120 ohms – Type WX – Product standard (EN 3375-009:2016)

### **HRN EN 4056-003:2016 en pr**

Zrakoplovstvo – Obujmice za kabelske snopove – Dio 003: Plastične obujmice – Radne temperature od -65 °C do 105 °C i od -65 °C do 150 °C – Norma za proizvod (EN 4056-003:2016)

Aerospace series – Cable ties for harnesses – Part 003: Plastic cable ties – Operating temperatures -65 °C to 105 °C and -65 °C to 150 °C – Product standard (EN 4056-003:2016)

**HRN EN 4534-2:2016** en pr

Zrakoplovstvo – Čahure, ravne od legure aluminija sa samopodmazujućim podložnim prstenom, povišenog opterećenja – 2. dio: Dimenzije i opterećenja – Nizovi u inčima (EN 4534-2:2016)  
Aerospace series – Bushes, plain in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series (EN 4534-2:2016)

**HRN EN 4535-2:2016** en pr

Zrakoplovstvo – Čahure, od legure aluminija s prirubnicom i samopodmazujućim podložnim prstenom, povišenog opterećenja – 2. dio: Dimenzije i opterećenja – Nizovi u inčima (EN 4535-2:2016)  
Aerospace series – Bushes, flanged in aluminium alloy with self-lubricating liner, elevated load – Part 2: Dimensions and loads – Inch series (EN 4535-2:2016)

**HRN EN 6080:2016** en pr

Zrakoplovstvo – Zakovica, 100° normalne ravne glave, uske tolerancije – Nizovi u inčima (EN 6080:2016)  
Aerospace series – Rivet, 100° normal flush head, close tolerance – Inch series (EN 6080:2016)

**HRN EN 6081:2016** en pr

Zrakoplovstvo – Zakovica, univerzalne glave, uske tolerancije – Nizovi u inčima (EN 6081:2016)  
Aerospace series – Rivet, universal head, close tolerance – Inch series (EN 6081:2016)

**HRN EN 6090:2016** en pr

Zrakoplovstvo – Podložna pločica, sigurnosna (EN 6090:2016)  
Aerospace series – Washer, retaining (EN 6090:2016)

**HRN EN 6092:2016** en pr

Zrakoplovstvo – Utičnica, plutajuća, dvostrana (EN 6092:2016)  
Aerospace series – Receptacle, floating, double lug (EN 6092:2016)

**HRN EN 6094:2016** en pr

Zrakoplovstvo – Opružna podložna pločica, upuštena (EN 6094:2016)  
Aerospace series – Washer, spring, countersunk (EN 6094:2016)

**HRN EN 6101:2016** en pr

Zrakoplovstvo – Zakovica, 100° srednje ravne glave, uske tolerancije – Nizovi u inčima (EN 6101:2016)  
Aerospace series – Rivet, 100° medium flush head, close tolerance – Inch series (EN 6101:2016)

**HRN EN 6105:2016** en pr

Zrakoplovstvo – Svornjak s ramenim proširenjem (EN 6105:2016)  
Aerospace series – Stud with shoulder (EN 6105:2016)

**HRN EN 6129:2016** en pr

Zrakoplovstvo – Oklopljeni vijak zaobljene glave, visoke čvrstoće, ugradnja povlačenjem (EN 6129:2016)  
Aerospace series – Blind bolt, protruding head, high strength, pulltype (EN 6129:2016)

**HRN EN 16602-20-07:2016** en pr

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Osiguranje kvalitete i sigurnosti za ispitne centre (EN 16602-20-07:2016)  
Space product assurance – Quality and safety assurance for space test centres (EN 16602-20-07:2016)

**HRN EN 16602-20-08:2016** en pr

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Skladištenje, rukovanje i prijevoz strojne opreme svemirskih letjelica (EN 16602-20-08:2016)  
Space product assurance – Storage, handling and transportation of spacecraft hardware (EN 16602-20-08:2016)

**HRN EN 16602-70-12:2016** en pr

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Proračunska pravila za tiskane pločice  
(EN 16602-70-12:2016)

Space product assurance – Design rules for printed circuit boards (EN 16602-70-12:2016)

**HRN EN 16602-70:2016** en pr

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Materijali, mehanički dijelovi i procesi  
(EN 16602-70:2016)

Space product assurance – Materials, mechanical parts and processes (EN 16602-70:2016)

**HRN EN 16602-70-71:2016** en pr

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Materijali, procesi i odabir podataka o njima  
(EN 16602-70-71:2016)

Space product assurance – Materials, processes and their data selection (EN 16602-70-71:2016)

**HRN EN 16603-32-08:2016** en pr

Svemirsko inženjerstvo – Materijali (EN 16603-32-08:2016)

Space engineering – Materials (EN 16603-32-08:2016)

**HRN EN 16803-1:2016** en pr

Svemir – Pozicioniranje za cestovne Inteligentne transportne sustave (ITS) korištenjem GNSS – 1.  
dio: Definicije i postupci projektiranja sustava za utvrđivanje i ocjenjivanje svojstava  
(EN 16803-1:2016)

Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1:  
Definitions and system engineering procedures for the establishment and assessment of  
performances (EN 16803-1:2016)

**HZN/TU U1, Opća elektrotehnika 1****HRN EN 62822-2:2016** en pr

Električna oprema za zavarivanje – Procjena ograničenja koja se odnosi na izloženost ljudi  
elektromagnetskim poljima (0 Hz do 300 GHz) – 2. dio: Oprema za elektrolučno zavarivanje  
(IEC 62822-2:2016; EN 62822-2:2016)

Electric welding equipment – Assessment of restrictions related to human exposure to electromagnetic  
fields (0 Hz to 300 GHz) – Part 2: Arc welding equipment (IEC 62822-2:2016; EN 62822-2:2016)

**HZN/TU V1, Elektronika 1****HRN EN 50289-4-16:2016** en pr

Communication cables – Specifications for test methods – Part 4-16: Environmental test methods –  
Circuit integrity under fire conditions (EN 50289-4-16:2016)

**HRN EN 50290-2-20:2016** en pr

Komunikacijski kabeli – Dio 2-20: Opća pravila konstruiranja i izrada – Općenito  
(EN 50290-2-20:2016)

Communication cables – Part 2-20: Common design rules and construction – General  
(EN 50290-2-20:2016)

**HRN EN 50290-2-29:2016** en pr

Communication cables – Part 2-29: Common design rules and construction – Crosslinked  
polyethylene insulation compounds: instrumentation, control and field bus cables  
(EN 50290-2-29:2016)

**HRN EN 50290-2-35:2016** en pr

Communication cables – Part 2-35: Common design rules and construction – Polyamide sheathing  
compound (EN 50290-2-35:2016)

**HRN EN 50290-2-36:2016** en pr

Communication cables – Part 2-36: Common design rules and construction – Crosslinked Silicone  
rubber insulation compound (EN 50290-2-36:2016)

**HRN EN 60068-3-13:2016 en pr**

Environmental testing – Part 3-13: Supporting documentation and guidance on test T: Soldering (IEC 60068-3-13:2016; EN 60068-3-13:2016)

**HRN EN 60153-1:2016 en pr**

Hollow metallic waveguides – Part 1: General requirements and measuring method (IEC 60153-1:2016; EN 60153-1:2016)

**HRN EN 60153-2:2016 en pr**

Hollow metallic waveguides – Part 2: Relevant specifications for ordinary rectangular waveguides (IEC 60153-2:2016; EN 60153-2:2016)

**HRN EN 60154-1:2016 en pr**

Flanges for waveguides – Part 1: General requirements (IEC 60154-1:2016; EN 60154-1:2016)

**HRN EN 60384-1:2016 en pr**

Fixed capacitors for use in electronic equipment – Part 1: Generic specification (IEC 60384-1:2016; EN 60384-1:2016)

**HRN EN 60384-18:2016 en pr**

Fixed capacitors for use in electronic equipment – Part 18: Sectional specification – Fixed aluminium electrolytic surface mount capacitors with solid (MnO<sub>2</sub>) and non-solid electrolyte (IEC 60384-18:2016; EN 60384-18:2016)

**HRN EN 60758:2016 en pr**

Synthetic quartz crystal – Specifications and guidelines for use (IEC 60758:2016; EN 60758:2016)

**HRN EN 61189-5-1:2016 en pr**

Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-1: General test methods for materials and assemblies – Guidance for printed board assemblies (IEC 61189-5-1:2016; EN 61189-5-1:2016)

**HRN EN 61300-2-47:2016 en pr**

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-47: Tests – Thermal shocks (IEC 61300-2-47:2016; EN 61300-2-47:2016)

**HRN EN 61340-4-9:2016 en pr**

Electrostatics – Part 4-9: Standard test methods for specific applications – Garments (IEC 61340-4-9:2016; EN 61340-4-9:2016)

**HRN EN 62739-2:2016 en pr**

Test method for erosion of wave soldering equipment using molten lead-free solder alloy – Part 2: Erosion test method for metal materials with surface processing (IEC 62739-2:2016; EN 62739-2:2016)

**HZN/TU W1, Energetska elektrotehnika 1****HRN EN 50632-3-9:2016 en pr**

Elektromotorni alati – Postupak za mjerjenje prašine – Dio 3-9: Posebni zahtjevi za prijenosne kutne pile (EN 50632-3-9:2016)

Electric motor-operated tools – Dust measurement procedure – Part 3-9: Particular requirements for transportable mitre saws (EN 50632-3-9:2016)

**HRN EN 60086-3:2016 en pr**

Primarne baterije – 3. dio: Baterije za satove (IEC 60086-3:2016; EN 60086-3:2016)  
Primary batteries – Part 3: Watch batteries (IEC 60086-3:2016; EN 60086-3:2016)

**HRN EN 60691:2016 en pr**

Toplinski zaštitni ulošci – Zahtjevi i upute za primjenu (IEC 60691:2015; EN 60691:2016)  
Thermal-links – Requirements and application guide (IEC 60691:2015; EN 60691:2016)

**HRN EN 62841-2-8:2016 en pr**

Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-8:  
Posebni zahtjevi za ručne škare i grickala (IEC 62841-2-8:2016; EN 62841-2-8:2016)  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety  
– Part 2-8: Particular requirements for hand-held shears and nibblers (IEC 62841-2-8:2016;  
EN 62841-2-8:2016)

**HRN EN 62841-3-9:2016/Ispr.1:2016 en pr**

Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-9:  
Posebni zahtjevi za prijenosne kutne pile (IEC 62841-3-9:2014/Corr.2:2016;  
EN 62841-3-9:2015/AC:2016-09)  
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety  
– Part 3-9: Particular requirements for transportable mitre saws (IEC 62841-3-9:2014/Corr.2:2016;  
EN 62841-3-9:2015/AC:2016-09)

### **1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku**

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma. Pisane primjedbe na prijedloge za prihvaćanje norma dostavljaju se Hrvatskome zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

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

**prEN ISO 16147 en**

Small craft – Inboard diesel engines – Engine-mounted fuel oil and electrical components  
(ISO/DIS 16147:2016)

Mala plovila – Ugrađeni dizelski motori – Komponente sustava goriva i elektrouređaja ovještene na motor (ISO/DIS 16147:2016)

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

**FprEN ISO 17409 en**

Electrically propelled road vehicles – Connection to an external electric power supply – Safety  
requirements (ISO 17409:2015)

Cestovna vozila na električni pogon – Spoj na vanjsko električno napajanje – Sigurnosni zahtjevi (ISO 17409:2015)

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

**EN 590:2013/FprA1:2016 en**

Automotive fuels – Diesel – Requirements and test methods

Goriva za motorna vozila – Dizelsko gorivo – Zahtjevi i metode ispitivanja

**prEN ISO 5165 en**

Petroleum products – Determination of the ignition quality of diesel fuels – Cetane engine method  
(ISO/DIS 5165:2016)

Naftni proizvodi – Određivanje sposobnosti paljenja dizelskih goriva – Cetanski broj prema motornoj metodi (ISO/DIS 5165:2016)

## **HN/T 34, Poljoprivredni i prehrambeni proizvodi**

### **ISO 1446:2001/Amd 1:2011 en**

Green coffee – Determination of water content – Basic reference method  
Sirova kava – Određivanje udjela vode – Osnovna referentna metoda

### **ISO 2451:2014 en**

Cocoa beans – Specification  
Kakao zrno – Specifikacija

### **ISO 3632-1:2011 en**

Spices – Saffron (*Crocus sativus L.*) – Part 1: Specification  
Mirodije – Šafran (*Crocus sativus L.*) – 1. dio: Specifikacija

### **ISO 3632-2:2011 en**

Spices – Saffron (*Crocus sativus L.*) – Part 2: Test methods  
Mirodije – Šafran (*Crocus sativus L.*) – 2. dio: Metode ispitivanja

### **ISO 3720:2011 en**

Black tea – Definition and basic requirements  
Crni čaj – Definicije i osnovni zahtjevi

### **ISO 4150:2011 en**

Green coffee or raw coffee – Size analysis – Manual and machine sieving  
Zelena kava ili sirova kava – Granulometrijska analiza – Ručno i strojno prosijavanje

### **ISO 6539:2014 en**

Cinnamon (*Cinnamomum zeylanicum Blume*) – Specification  
Cimet (*Cinnamomum zeylanicum Blume*) – Specifikacija

### **ISO 6646:2011 en**

Rice – Determination of the potential milling yield from paddy and from husked rice  
Riža – Određivanje mogućeg prinosa mljevenja neoljuštene i oljuštene riže

### **ISO 6666:2011 en**

Coffee sampling – Triers for green coffee or raw coffee and parchment coffee  
Uzorkovanje kave – Sonde za zelenu kavu ili sirovu kavu i pergament kave

### **ISO 7301:2011 en**

Rice – Specification  
Riža – Specifikacija

### **ISO 7304-1:2016 en**

Durum wheat semolina and alimentary pasta – Estimation of cooking quality of alimentary pasta by sensory analysis – Part 1: Reference method  
Krupica od tvrde pšenice i tjestenina – Procjena kakvoće kuhanja tjestenine senzorskom analizom – 1. dio: Referentna metoda

### **ISO 7304-2:2008 en**

Alimentary pasta produced from durum wheat semolina – Estimation of cooking quality by sensory analysis – Part 2: Routine method  
Tjestenina proizvedena od krupice tvrde pšenice – Procjena kakvoće kuhanja tjestenine senzorskom analizom – 2. dio: Rutinska metoda

### **ISO 7513:1990/Amd 1:2012 en**

Instant tea in solid form – Determination of moisture content (loss in mass at 103 degrees C)  
Instant-čaj u krutome obliku – Određivanje količine vode (gubitka mase na 103 °C)

**ISO 7970:2011 en**

Wheat (Triticum aestivum L.) – Specification  
Pšenica (Triticum aestivum L.) – Specifikacija

**ISO 8455:2011/Amd 1:2015 en**

Green coffee – Guidelines for storage and transport  
Sirova kava – Smjernice za skladištenje i transport

**ISO 11056:1999/Amd 2:2015 en**

Sensory analysis – Methodology – Magnitude estimation method  
Senzorske analize – Metodologija – Metoda procjene veličine

**prEN ISO 11132 en**

Sensory analysis – Methodology – Guidelines for monitoring the performance of a quantitative sensory panel (ISO 11132:2012)  
Senzorska analiza – Metodologija – Smjernice za praćenje karakteristika kvantitativnog senzorskog panela (ISO 11132:2012)

**prEN ISO 11136 en**

Sensory analysis – Methodology – General guidance for conducting hedonic tests with consumers in a controlled area (ISO 11136:2014)

**ISO 11286:2004 en**

Tea – Classification of grades by particle size analysis  
Čaj – Klasifikacija po stupnju usitnjjenosti

**ISO 29842:2011/Amd 1:2015 en**

Sensory analysis – Methodology – Balanced incomplete block designs  
Senzorske analize – Metodologija – Uravnoteženi nepotpuni blok dizajn

**prEN ISO 34101-1 en**

Sustainable and traceable cocoa beans – Part 1: Requirements for sustainability management systems (ISO/DIS 34101-1:2016)

**prEN ISO 34101-2 en**

Sustainable and traceable cocoa beans – Part 2: Requirements for performance (related to economic, social, and environmental aspects) (ISO/DIS 34101-2:2016)

**prEN ISO 34101-3 en**

Sustainable and traceable cocoa beans – Part 3: Requirements for traceability (ISO/DIS 34101-3:2016)

**HZN/TO 37, Terminologija****EN ISO 17100:2015/prA1 en**

Translation services – Requirements for translation services (ISO 17100:2015/DAmd 1:2016)  
Prevoditeljske usluge – Zahtjevi za prevoditeljske usluge (ISO 17100:2015/DAmd 1:2016)

**ISO/DIS 21720 en**

XLIFF (XML Localisation interchange file format)  
XLIFF (XML format datoteke za razmjenu podataka za lokalizaciju)

**HZN/TO 43, Akustika****prEN ISO 10848-1 en**

Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 1: Frame document (ISO/DIS 10848-1:2016)

**prEN ISO 10848-2 en**

Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 2: Application to Type B elements when the junction has a small influence (ISO/DIS 10848-2:2016)

**prEN ISO 10848-3 en**

Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 3: Application to Type B elements when the junction has a substantial influence (ISO/DIS 10848-3:2016)

**prEN ISO 10848-4 en**

Acoustics – Laboratory and field measurement of flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 4: Application to junctions with at least one Type A element (ISO/DIS 10848-4:2016)

**HZN/TO 44, Zavarivanje i srodni postupci****prEN ISO 3821 en**

Gas welding equipment – Rubber hoses for welding, cutting and allied processes (ISO/DIS 3821:2016)

Oprema za plinsko zavarivanje – Gumena crijeva za zavarivanje, rezanje i srodne postupke (ISO/DIS 3821:2016)

**prEN ISO 14114 en**

Gas welding equipment – Acetylene manifold systems for welding, cutting and allied processes – General requirements (ISO/DIS 14114:2016)

Oprema za plinsko zavarivanje – Acetilenski razdjelni sustavi za zavarivanje, rezanje i srodne postupke – Opći zahtjevi (ISO/DIS 14114:2016)

**prEN ISO 14731 en**

Welding coordination – Tasks and responsibilities (ISO/DIS 14731:2016)

Koordinacija zavarivanja – Zadaci i odgovornosti (ISO/DIS 14731:2016)

**prEN ISO 22825 en**

Non-destructive testing of welds – Ultrasonic testing – Testing of welds in austenitic steels and nickel-based alloys (ISO/DIS 22825:2016)

Nerazorno ispitivanje zavara – Ultrazvučno ispitivanje – Ispitivanje zavara u austenitnim čelicima i legurama na osnovi nikla (ISO/DIS 22825:2016)

**HZN/TO 47, Kemija****ISO 1771:1981/Amd 1:1983 en**

Enclosed-scale general purpose thermometers

Termometri opće namjene sa zatvorenom skalom

**HZN/TO 54, Eterična ulja****ISO 212:2007/Amd 1:2012 en**

Essential oils – Sampling

Eterična ulja – Uzorkovanje

**HZN/TO 71, Beton****prEN 1504-2 en**

Products and systems for the protection and repair of concrete structures – Definitions, requirements, quality control and evaluation of conformity – Part 2: Surface protection systems for concrete

Proizvodi i sustavi za zaštitu i popravak betonskih konstrukcija – Definicije, zahtjevi, kontrola kvalitete i vrednovanje sukladnosti – 2. dio: Sustavi površinske zaštite

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

### **prEN 12102-2 en**

Air conditioners, liquid chilling packages, heat pumps and dehumidifiers with electrically driven compressors – Determination of the sound power level – Part 2: Heat pump water heaters  
Klimatizacijski uređaji, rashladnici kapljevina, dizalice topline i odvlaživači s kompresorima na električni pogon – Određivanje razine zvučne snage – 2. dio: Dizalice topline za zagrijavanje potrošne tople vode

### **prEN 12693 en**

Refrigerating systems and heat pumps – Safety and environmental requirements – Positive displacement refrigerant compressors  
Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na okoliš i sigurnost – Volumetrijski rashladni kompresori

## **HZN/TO 120, Koža i obuća**

### **prEN ISO 20701 en**

Leather – Tests for colour fastness – Colour fastness to saliva (ISO/DIS 20701)

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

### **prEN ISO 80601-2-55 en**

Medical electrical equipment – Part 2-55: Particular requirements for the basic safety and essential performance of respiratory gas monitors (ISO/DIS 80601-2-55:2016)  
Medicinski električni uređaji – Dio 2-55: Posebni zahtjevi za osnovnu sigurnost i nužne značajke opreme za praćenje dišnih plinova (ISO/DIS 80601-2-55:2016)

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

### **ISO 10362-1:1999/Amd 1:2011 en**

Cigarettes – Determination of water in smoke condensates – Part 1: Gas-chromatographic method  
Cigarette – Određivanje vode u dimnom kondenzatu – 1. dio: Metoda plinske kromatografije

### **ISO 15152:2003/Amd 1:2012 en**

Tobacco – Determination of the content of total alkaloids as nicotine – Continuous-flow analysis method  
Duhan – Određivanje udjela ukupnih alkaloida kao nikotina – Metoda analize kontinuirnog toka

### **ISO 15153:2003/Amd 1:2012 en**

Tobacco – Determination of the content of reducing substances – Continuous-flow analysis method  
Duhan – Određivanje udjela reducirajućih tvari – Metoda analize kontinuirnog toka

### **ISO 15154:2003/Amd 1:2012 en**

Tobacco – Determination of the content of reducing carbohydrates – Continuous-flow analysis method  
Duhan – Određivanje udjela reducirajućih ugljikohidrata – Metoda analize kontinuirnog toka

### **ISO 15517:2003/Amd 1:2012 en**

Tobacco – Determination of nitrate content – Continuous-flow analysis method  
Duhan – Određivanje udjela nitrata – Metoda analize kontinuirnog toka

## **HZN/TO 134, Gnojiva i poboljšivači tla**

### **prEN 13368-3 en**

Fertilizers – Determination of chelating agents in fertilizers by chromatography – Part 3: Determination of Fe chelated by [S, S]-EDDS, or the amount of the chelating agent, by ion pair chromatography

**prEN 17041 en**

Fertilizers – Determination of boron in concentrations ≤ 10 % using spectrometry with azomethine-H

**prEN 17042 en**

Fertilizers – Determination of boron in concentrations > 10 % using acidimetric titration

**prEN 17043 en**

Fertilizers – Determination of molybdenum in concentrations ≤ 10 % using spectrometry of a complex with ammonium thiocyanate

***HNZ/TO 135, Nerazorna ispitivanja*****prEN ISO 20485 en**

Non-destructive testing – Leak testing – Tracer gas method (ISO/DIS 20485:2016)

Nerazorno ispitivanje – Ispitivanje propusnosti – Metoda ispitnog plina (ISO/DIS 20485:2016)

**prEN ISO 20486 en**

Non-destructive testing – Leak testing – Calibration of reference leaks for gases  
(ISO/DIS 20486:2016)

Nerazorno ispitivanje – Ispitivanje propusnosti – Umjeravanje referencijskog etalona za propuštanje plinova (ISO/DIS 20486:2016)

***HNZ/TO 136, Namještaj*****prEN 1116 en**

Furniture – Kitchen furniture – Coordinating sizes for kitchen furniture and kitchen appliances

Namještaj – Kuhinjski namještaj – Koordinacijske mjere za kuhinjski namještaj i kuhinjske uređaje

**prEN 1335-2 en**

Office furniture – Office work chair – Part 2: Safety requirements

Uredski namještaj – Uredske radne stolice – 2. dio: Sigurnosni zahtjevi

***HNZ/TO 147, Kvaliteta vode*****ISO 5667-4:2016 en**

Water quality – Sampling – Part 4: Guidance on sampling from lakes, natural and man-made

Kvaliteta vode – Uzorkovanje – 4. dio: Upute za uzorkovanje vode prirodnih i umjetnih jezera

***HNZ/TO 163, Toplinska izolacija*****prEN ISO 10077-1 rev en**

Thermal performance of windows, doors and shutters – Calculation of thermal transmittance – Part 1: General (ISO/FDIS 10077-1)

Toplinska svojstva prozora, vrata i zaslona – Proračun koeficijenta prolaska topline – 1. dio: Općenito (ISO/FDIS 10077-1)

**prEN 13467 en**

Thermal insulating products for building equipment and industrial installations – Determination of dimensions, squareness and linearity of preformed pipe insulation

Toplinsko-izolacijski proizvodi za opremu zgrada i industrijske instalacije – Određivanje dimenzija, pravokutnosti i linearnosti predgotovljene izolacije za cijevi

**prEN 14063-1 en**

Thermal insulation products for buildings – In-situ formed expanded clay lightweight aggregate products – Part 1: Specification for the loose-fill products before installation

Toplinsko-izolacijski proizvodi za zgrade – Na mjestu primjene oblikovani proizvodi od lakoagregatne ekspandirane gline – 1. dio: Specifikacija za nasipne proizvode prije ugradnje

## **HN/T 181, Sigurnost igračaka i proizvodi za djecu**

### **prEN 71-8 en**

Safety of toys – Part 8: Activity toys for domestic use

Sigurnost igračaka – 8. dio: Igračke za fizičku aktivnost u kućanstvu

### **EN 71-14:2014/prA1 en**

Safety of toys – Part 14: Trampolines for domestic use

Sigurnost igračaka – 14. dio: Trampolini za kućnu uporabu

## **HN/T 182, Geotehničke konstrukcije**

### **prEN ISO 17892-7 en**

Geotechnical investigation and testing – Laboratory testing of soil – Part 7: Unconfined compression test (ISO/DIS 17892-7:2016)

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 7. dio: Ispitivanje jednoosne tlačne čvrstoće (ISO/DIS 17892-7:2016)

### **prEN ISO 17892-8 en**

Geotechnical investigation and testing – Laboratory testing of soil – Part 8: Unconsolidated undrained triaxial test (ISO/DIS 17892-8:2016)

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 8. dio: Nekonsolidirano nedrenirano troosno ispitivanje (ISO/DIS 17892-8:2016)

### **prEN ISO 17892-9 en**

Geotechnical investigation and testing – Laboratory testing of soil – Part 9: Consolidated triaxial compression tests on water saturated soils (ISO/DIS 17892-9:2016)

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 9. dio: Konsolidirana troosna tlačna ispitivanja tla zasićenog vodom (ISO/DIS 17892-9:2016)

### **prEN ISO 22477-5 en**

Geotechnical investigation and testing – Testing of geotechnical structures – Part 5: Testing of grouted anchors (ISO/DIS 22477-5:2016)

Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih konstrukcija – 5. dio: Ispitivanje injektiranih sidara (ISO/DIS 22477-5:2016)

## **HN/T 196, Prirodni kamen**

### **prEN 14157 en**

Natural stone test methods – Determination of the abrasion resistance

Ispitne metode prirodnoga kamena – Određivanje otpornosti na abraziju

## **HN/T 215, Medicinska informatika**

### **FprEN ISO 11073-00103 en**

Health informatics – Personal health device communication – Part 00103: Overview (ISO/IEEE 11073-00103:2015)

### **FprEN ISO 11073-10441 en**

Health informatics – Personal health device communication – Part 10441: Device specialization – Cardiovascular fitness and activity monitor (ISO/IEEE 11073-10441:2015)

### **FprEN ISO 11073-10442 en**

Health informatics – Personal health device communication – Part 10442: Device specialization – Strength fitness equipment (ISO/IEEE 11073-10442:2015)

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

### **FpCEN/TS 16663 en**

Durability of wood and wood-based products – Determination of emissions from preservative treated wood to the environment – Wooden commodities exposed in Use Class 3 (Not covered, not in contact with the ground) – Semi-field method

Trajanost drva i proizvoda na osnovi drva – Utvrđivanje emisija obrađenog drva u okoliš – Drveni elementi u trećoj klasi uporabivosti (nenatkriveni, bez doticaja sa tlom) – Semi-field metoda

## **HZN/TO 221, Geosintetici**

### **EN ISO 10318-1:2015/prA1 en**

Geosynthetics – Part 1: Terms and definitions (ISO 10318-1:2015/DAMD 1:2016)  
Geosintetici – 1.dio: Nazivi i definicije (ISO 10318-1:2015/DAMD 1:2016)

### **EN ISO 10318-2:2015/prA1 en**

Geosynthetics – Part 2: Symbols and pictograms (ISO 10318-2:2015/DAM 1:2016)  
Geosintetici – 2. dio: Simboli i piktogrami (ISO 10318-2:2015/DAM 1:2016)

### **prEN ISO 13438 en**

Geotextiles and geotextile-related products – Screening test method for determining the resistance to oxidation (ISO/DIS 13438:2016)

Geotekstili i proizvodi srođni s geotekstilom – Selektivna ispitna metoda za određivanje otpornosti na oksidaciju (ISO/DIS 13438:2016)

## **HZN/TO 238, Čvrsta biogoriva**

### **prEN ISO 18134-2 en**

Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method (ISO/FDIS 18134-2:2016)  
Čvrsta biogoriva – Određivanje udjela vlage – Metoda sušionika – 2. dio: Ukupna vлага – Pojednostavljena metoda (ISO/FDIS 18134-2:2016)

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

### **EN ISO 3183:2012/prA1 en**

Petroleum and natural gas industries – Steel pipe for pipeline transportation systems (ISO 3183:2012/DAM 1:2016)  
Industrija nafte i zemnog plina – Čelične cijevi za cjevovodne transportne sustave (ISO 3183:2012/DAM 1:2016)

### **prEN ISO 8434-1 en**

Metallic tube connections for fluid power and general use – Part 1: 24° cone connectors (ISO/DIS 8434-1:2016)  
Metalni cijevni priključci za upotrebu u hidraulici i pneumatički te za opću namjenu – 1. dio: 24° stožasti priključci (ISO/DIS 8434-1:2016)

### **prEN 15088 en**

Aluminium and aluminium alloys – Structural products for construction works – Technical conditions for inspection and delivery  
Aluminij i aluminijeve legure – Proizvodi za izradu konstrukcija u graditeljstvu – Tehnički uvjeti za pregled i isporuku

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

### **prEN ISO 2819 en**

Metallic coatings on metallic substrates – Electrodeposited and chemically deposited coatings – Review of methods available for testing adhesion (ISO/DIS 2819:2016)  
Metalne prevlake na metalnim podlogama – Elektronanesene i kemijski nanesene prevlake – Pregled metoda za ispitivanje prionljivosti (ISO/DIS 2819:2016)

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

### **prEN 15399 en**

Gas infrastructure – Safety Management Systems for gas networks with maximum operating pressure up to and including 16 bar  
Plinska infrastruktura – Sustavi upravljanja sigurnošću za plinske mreže s najvećim radnim tlakom do 16 bara i uključujući 16 bara

## **HZN/TO 524, Inteligentni transportni sustavi**

### **prEN ISO 14823 en**

Intelligent transport systems – Graphic data dictionary (ISO/DIS 14823:2016)  
Inteligentni transportni sustavi – Rječnik grafičkih podataka (ISO/DIS 14823:2016)

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

### **FprEN 13653 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of shear strength  
Savitljive hidroizolacijske trake – Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Određivanje posmične čvrstoće

### **EN 13967:2012/FprA1:2016 en**

Flexible sheets for waterproofing – Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet – Definitions and characteristics  
Savitljive hidroizolacijske trake – Plastične i elastomerne trake za zaštitu od vlage i vode iz tla – Definicije i značajke

### **FprEN 14223 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of water absorption  
Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Određivanje upijanja vode

### **FprEN 14691 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Compatibility by heat conditioning  
Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Kompatibilnost pri zagrijavanju

### **FprEN 14692 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of the resistance to compaction of an asphalt layer  
Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Određivanje otpornosti prema zbijanju asfaltnog sloja

**FprEN 14693 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of the behaviour of bitumen sheets during application of mastic asphalt

Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Određivanje ponašanja bitumenskih traka pri ugradnji lijevanog asfalta

**FprEN 14694 en**

Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of resistance to dynamic water pressure after damage by pre-treatment

Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih voznih površina – Određivanje otpornosti prema dinamičkom tlaku vode nakon prethodnog oštećivanja

**prEN 16002 en**

Flexible sheets for waterproofing – Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing

Savitljive hidroizolacijske trake – Bitumenske, plastične i elastomerne hidroizolacijske trake za krovove – Određivanje otpornosti na podizanje vjetrom

**prEN 17048 en**

Flexible sheets for waterproofing – Plastic and rubber sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete – Definitions and characteristics

Savitljive hidroizolacijske trake – Plastične i elastomerne trake za hidroizolaciju betonskih ploča mostova i drugih betonskih voznih površina – Definicije i značajke

**HZN/TO 526, Bitumenska veziva****prEN 13302 en**

Bitumen and bituminous binders – Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus

Bitumen i bitumenska veziva – Određivanje dinamičke viskoznosti bitumenskog veziva viskozimetrom s rotirajućim vretenom

**HZN/TO 528, Oprema za željeznice****prEN 13231-5 en**

Railway applications – Track – Acceptance of works – Part 5: Procedures for rail reprofiling in plain line, switches, crossings and expansion devices

**prEN 14067-6 en**

Railway applications – Aerodynamics – Part 6: Requirements and test procedures for cross wind assessment

Željeznički sustav – Aerodinamika – 6. dio: Zahtjevi i postupci ispitivanja za udare bočnog vjetra

**prEN 15654-2 en**

Railway applications – Measurement of vertical forces on wheels and wheelsets – Part 2: Test in workshop for new, modified and maintained vehicles

Željeznički sustav – Mjerenje vertikalnih sila na kotačima i osovinskim sklopovima – 2. dio: Radioničko ispitivanje novih, modificiranih i održavanih vozila

**HZN/TO 531, Plastika i guma****prEN ISO 177 en**

Plastics – Determination of migration of plasticizers (ISO/FDIS 177:2016)

Plastika – Određivanje migracije omekšavalja (ISO/FDIS 177:2016)

**FprEN 1762 en**

Rubber hoses and hose assemblies for liquefied petroleum gas, LPG (liquid or gaseous phase), and natural gas up to 25 bar (2,5 MPa) – Specification

Gumena crijeva i crijevni uređaji za ukapljeni naftni plin, LPG (kapljevita ili plinska faza), i prirodni plin do 25 bara (2,5 MPa) – Specifikacija

**prEN ISO 1856 en**

Flexible cellular polymeric materials – Determination of compression set (ISO/DIS 1856:2016)

Savitljivi pjenasti polimerni materijali – Određivanje ostatne stlačivosti (ISO/DIS 1856:2016)

**FprEN ISO 11357-1 en**

Plastics – Differential scanning calorimetry (DSC) – Part 1: General principles  
(ISO/CDIS 11357-1:2016)

Plastika – Diferencijalna pretražna kalorimetrija (DSC) – 1. dio: Opća načela (ISO/CDIS 11357-1:2016)

**prEN 17033 en**

Plastics – Biodegradable mulch films for use in agriculture and horticulture – Requirements and test methods

**prEN ISO 22007-4 en**

Plastics – Determination of thermal conductivity and thermal diffusivity – Part 4: Laser flash method  
(ISO/DIS 22007-4:2016)

Plastika – Određivanje toplinske vodljivosti i toplinske difuzivnosti – 4. dio: Metoda laserskoga bljeska  
(ISO/DIS 22007-4:2016)

**prEN ISO 29664 en**

Plastics – Artificial weathering including acidic deposition (ISO 29664:2010)

**HZN/TO 532, *Dimnjaci*****prEN 1457-1 en**

Chimney – Clay/ceramic flue liners – Part 1: Flue liners operating under dry conditions – Requirements and test methods

Dimnjaci – Glinene/keramičke dimovodne cijevi – 1. dio: Dimovodne cijevi za djelovanje u suhim uvjetima – Zahtjevi i metode ispitivanja

**prEN 1457-2 en**

Chimneys – Clay/ceramic flue liners – Part 2: Flue liners operating under wet conditions – Requirements and test methods

Dimnjaci – Glinene/keramičke dimovodne cijevi – 2. dio: Dimovodne cijevi za djelovanje u vlažnim uvjetima – Zahtjevi metode ispitivanja

**HZN/TO 533, *Kolničke konstrukcije*****prEN 13880-8 en**

Hot applied joint sealants – Part 8: Test method for the determination of the change in weight of fuel resistance joint sealants after fuel immersion

Vruće brtvene mase – 8. dio: Ispitna metoda za određivanje promjene mase nakon uranjanja u gorivo

**prEN 13880-10 en**

Hot applied joint sealants – Part 10: Test method for the determination of adhesion and cohesion following continuous extension and compression

Vruće brtvene mase – 10. dio: Ispitna metoda za određivanje adhezije i kohezije pri neprekidnom rastezanju i stlačivanju

**prEN 13880-13 en**

Hot applied joint sealants – Part 13: Test method for the determination of the discontinuous extension (adherence test)

Vruće brtvene mase – 13. dio: Ispitna metoda za određivanje postupnog rastezanja (ispitivanje prianjanja)

## **HN/T 534, Spremni za teret**

### **prEN 12285-1 en**

Workshop fabricated steel tanks – Part 1: Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and nonflammable water polluting liquids other than for heating and cooling of buildings

Čelični spremnici izrađeni u radionici – 1. dio: Horizontalni valjkasti spremnici s jednostrukom i dvostrukom stijenkom za podzemno skladištenje zapaljivih i nezapaljivih tekućina koje onečišćuju vodu osim spremnika za grijanje i hlađenje zgrada

### **prEN 12285-3 en**

Workshop fabricated steel tanks – Part 3: Horizontal cylindrical single skin and double skin tanks for the underground storage of flammable and nonflammable water polluting liquids for heating and cooling of buildings

Čelični spremnici izrađeni u radionici – 3. dio: Horizontalni valjkasti spremnici s jednostrukom i dvostrukom stijenkom za podzemno skladištenje zapaljivih i nezapaljivih tekućina onečišćenih vodom za grijanje i hlađenje zgrada

### **prEN 15969-1 en**

Tanks for transport of dangerous goods – Digital interface for the data transfer between tank vehicle and with stationary facilities – Part 1: Protocol specification – Control, measurement and event data  
Spremni za prijevoz opasnih tvari – Digitalno sučelje za prijenos podataka između vozila cisterne i nepomičnih uređaja – 1. dio: Specifikacija protokola – Upravljanje, mjerjenje i podaci o događajima

### **prEN 15969-2 en**

Tanks for transport of dangerous goods – Digital interface for the data transfer between tank vehicle and with stationary facilities – Part 2: Commercial and logistic data

Spremni za prijevoz opasnih tvari – Digitalno sučelje za prijenos podataka između vozila cisterne i nepomičnih uređaja – 2. dio: Komercijalni i logistički podaci

## **HN/T 537, Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija**

### **prEN ISO 20170 en**

Geometrical product specifications (GPS) – Decomposition of geometrical characteristics for manufacturing control (ISO/DIS 20170:2016)

## **HN/T 541, Sustavi grijanja, ventilacije i klimatizacije u građevinama**

### **prEN ISO 16484-5 en**

Building automation and control systems (BACS) – Part 5: Data communication protocol (ISO/DIS 16484-5:2016)

Sustavi automatizacije i upravljanja u zgradama (BACS) – 5. dio: Podatkovni komunikacijski protokol (ISO/DIS 16484-5:2016)

## **HN/T 546, Očuvanje kulturne baštine**

### **prEN 17036 en**

Conservation of Cultural Heritage – Artificial ageing with simulated solar radiation

## **HN/T 549, Svjetlo i rasvjeta**

### **prEN 12665 en**

Light and lighting – Basic terms and criteria for specifying lighting requirements  
Svjetlo i rasvjeta – Osnovni nazivi i kriteriji za specificiranje zahtjeva rasvjete

**prEN 13032-2 en**

Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 2: Presentation of data for indoor and outdoor work places

Svetlo i rasvjeta – Mjerenje i prikaz fotometričkih podataka izvora svjetla i rasvjetnih tijela – 2. dio: Prikaz podataka za unutrašnje i vanjske radne prostore

**HZN/TO 551, Gradnja****FprEN 15651-1 en**

Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements

Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 1. dio: Brtvila za elemente pročelja

**FprEN 15651-2 en**

Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing

Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 2. dio: Brtvila za staklene stijene

**FprEN 15651-3 en**

Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 3: Sealants for sanitary joints

Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 3. dio: Brtvila za spojeve sanitarija

**FprEN 15651-4 en**

Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 4: Sealants for pedestrian walkways

Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 4. dio: Brtvila za pješačke staze

**FprEN 15651-5 en**

Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 5: Assessment and verification of constancy of performance, marking and labelling

Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 5. dio: Ocjenjivanje i provjera stalnosti svojstava, označivanje i obilježavanje

**FprCEN/TR 17005 en**

Sustainability of construction works – Additional environmental impact categories and indicators – Background information and possibilities – Evaluation of the possibility of adding environmental impact categories and related indicators and calculation methods for the assessment of the environmental performance of buildings

**HZN/TO 552, Društvena odgovornost****ISO 37001 en**

Anti-bribery management systems – Requirements with guidance for use  
Sustavi upravljanja za suzbijanje mita – Zahtjevi s uputama za uporabu

**HZN/TO 555, Medicinski proizvodi****prEN ISO 11737-1 en**

Sterilization of health care products – Microbiological methods – Part 1: Determination of a population of microorganisms on product (ISO/DIS 11737-1:2016)

Sterilizacija medicinskog pribora – Mikrobiološke metode – 1. dio: Određivanje vrste i broja mikroorganizama na proizvodima (ISO/DIS 11737-1:2016)

## **HN/T 556, Osobna zaštitna oprema**

### **prEN 14458 en**

Personal eye-equipment – High performance visors intended only for use with protective helmets

## **HN/T 557, Zaštitna odjeća**

### **prEN 13277-8 en**

Protective equipment for martial arts – Part 8: Additional requirements and test methods for karate face protectors

### **prEN ISO 19918 en**

Protective clothing – Protection against chemicals – Measurement of cumulative permeation of chemicals with low vapour pressure through materials (ISO/DIS 19918:2016)

## **HN/T 560, Tekstilni proizvodi**

### **prEN ISO 3175-1 en**

Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 1: Assessment of performance after cleaning and finishing (ISO/DIS 3175-1:2016)  
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 1. dio: Ocjenjivanje učinka čišćenja i završne obrade (ISO/DIS 3175-1:2016)

### **prEN ISO 3175-2 en**

Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (ISO/DIS 3175-2:2016)  
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje tkanina i odjevnih predmeta – 2. dio: Postupak ispitivanja učinka čišćenja i završne obrade tetrakloretilenom (ISO/DIS 3175-2:2016)

### **prEN ISO 3175-3 en**

Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvent (ISO/DIS 3175-3:2016)  
Tekstil – Profesionalna njega, kemijsko čišćenje i mokro čišćenje plošnih tekstila i odjevnih predmeta – 3. dio: Postupak za ispitivanje djelovanja ugljikovodikovih otapala pri čišćenju i oplemenjivanju (ISO/DIS 3175-3:2016)

## **HN/T 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce**

### **EN 13445-1:2014/prA2 en**

Unfired pressure vessels – Part 1: General  
Neložene tlačne posude – 1. dio: Općenito

### **EN 13445-3:2014/prA6 en**

Unfired pressure vessels – Part 3 : Design  
Neložene tlačne posude – 3. dio: Projektiranje

### **EN 13480-2:2012/prA10 en**

Metallic industrial piping – Part 2: Materials  
Metalni industrijski cjevovodi – 2. dio: Materijali

## **HN/T 562, Alatni strojevi i alati**

### **prEN ISO 19085-6 en**

Woodworking machines – Safety – Part 6: Single spindle vertical moulding machines ("toupies") (ISO/DIS 19085-6:2016)  
Strojevi za obradu drva – Sigurnost – 6. dio: Jednovreteni strojevi za vertikalno oblikovanje kalupa (ISO/DIS 19085-6:2016)

## **HN/T 564, Uljarice, biljna i životinjska ulja i masti**

### **EN ISO 3656:2011/prA1 en**

Animal and vegetable fats and oils – Determination of ultraviolet absorbance expressed as specific UV extinction (ISO 3656:2011/DAM 1:2016)

Životinjske i biljne masti i ulja – Određivanje apsorbancija u ultraljubičastom spektru izraženih kao specifična UV ekstinkcija (ISO 3656:2011/DAM 1:2016)

### **ISO 27608:2010/Amd 1:2016 en**

Animal and vegetable fats and oils – Determination of Lovibond® colour – Automatic method

Životinjske i biljne masti i ulja – Određivanje Lovibond® boje – Automatska metoda

## **HN/T 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom**

### **EN ISO 11133:2014/prA1 en**

Microbiology of food, animal feed and water – Preparation, production, storage and performance testing of culture media (ISO 11133:2014/DAmd 1:2016)

Mikrobiologija hrane, hrane za životinje i vode – Priprema, proizvodnja, skladištenje i ispitivanje hranjive podloge (ISO 11133:2014/DAmd 1:2016)

### **prEN ISO 19020 en**

Microbiology of food chain – Horizontal method for the immunoenzymatic detection of staphylococcal enterotoxins in foodstuffs (ISO/DIS 19020:2016)

Mikrobiologija u lancu hrane – Horizontalna metoda za imunoenzimsko dokazivanje prisutnosti stafilokoknih enterotoksina u hrani (ISO/DIS 19020:2016)

## **HN/T 569, Hrana za životinje**

### **ISO 5985:2002/Amd 1:2015 en**

Animal feeding stuffs – Determination of ash insoluble in hydrochloric acid

Stočna hrana – Određivanje pepela netopljivog u klorovodičnoj kiselini

### **FprEN 15510 en**

Animal feeding stuffs: Methods of sampling and analysis – Determination of calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum and lead by ICP-AES

### **FprEN 15550 en**

Animal feeding stuffs: Methods of sampling and analysis – Determination of cadmium and lead by graphite furnace atomic absorption spectrometry (GF-AAS) after pressure digestion

### **FprEN 15621 en**

Animal feeding stuffs: Methods of sampling and analysis – Determination of calcium, sodium, phosphorus, magnesium, potassium, sulphur, iron, zinc, copper, manganese and cobalt after pressure digestion by ICP-AES

## **HN/T 571, Sport, igrališta i ostali rekreacijski sadržaji i oprema**

### **EN 748:2013/prA1 en**

Playing field equipment – Football goals – Functional and safety requirements, test methods

Oprema za sportska igrališta – Nogometni golovi – Funkcionalni i sigurnosni zahtjevi, metode ispitivanja

## **HN/T 574, Sustavi upravljanja kvalitetom, rizicima, vrijednostima i inovacijama**

### **prEN ISO 15378 en**

Primary packaging materials for medicinal products – Particular requirements for the application of ISO 9001:2015; with reference to good manufacturing practice (GMP) (ISO/DIS 15378:2016)

Osnovni materijal za pakiranje medicinskih proizvoda – Posebni zahtjevi za primjenu norme ISO 9001:2008 u odnosu na "dobru proizvođačku praksu" (DPP) (GMP) (ISO/DIS 15378:2016)

## **HN/T 574, Električna oprema za željeznicu**

### **prEN 61375-2-6:2016 en**

Electronic railway equipment – Train communication network – Part 2-6: On-board to ground communication (IEC 61375-2-6:201X)

Električna oprema za željeznice – Komunikacijska mreža vlaka – Dio 2-6: Komunikacija između vozila i stabilnih postrojenja (IEC 61375-2-6:201X)

### **prEN 62928:2016 en**

Railway applications – Rolling stock equipment – Onboard lithium-ion traction batteries (IEC 62928:201X)

## **HN/T 574, Čvrsti elektrotehnički izolacijski materijali**

### **EN 60893-3-6:2004/prA2:2016 en**

Insulating materials – Industrial rigid laminated sheets based on thermosetting resins for electrical purposes – Part 3-6: Specifications for individual materials – Requirements for rigid laminated sheets based on silicone resins (IEC 60893-3-6:2003/am2:201X)

Izolacijski materijali – Industrijski izrađeni kruti laminirani listovi na bazi termoreaktivnih smola za elektrotehničke svrhe – Dio 3-6: Specifikacije za pojedinačne materijale – Zahtjevi za krute laminirane listove na bazi silikonskih smola (IEC 60893-3-6:2003/am2:201X)

## **HN/T 574, Sklopni i upravljački uređaji**

### **prEN 60715:2016 en**

Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories (IEC 60715:201X)

Dimenzije niskonaponskih sklopnih i upravljačkih uređaja – Normirano postavljanje na tračnice za mehaničko podupiranje sklopnih i upravljačkih uređaja i pribora (IEC 60715:201X)

### **FprEN 62683:2016 en**

Low-voltage switchgear and controlgear – Product data and properties for information exchange (IEC 62683:201X)

Niskonaponska sklopna aparatura – Strukture podataka za električku razmjenu informacija o svojstvima proizvoda (IEC 62683:201X)

## **HN/T 574, Energetska elektronika**

### **prEN 62477-2:2016 en**

Safety Requirements for Power Electronic Converter Systems and Equipment – Part 2: Power Electronic Converters from 1000 V a.c. or 1500 V d.c. up to 36 kV a.c. or 54 kV d.c. (IEC 62477-2:201X)

## **HN/T 574, Električni instalacijski pribor**

### **prEN 63024:2016 en**

Requirements for Automatic Reclosing Devices (ARDs) for circuit-breakers, RCBOs, RCCBs for household and similar uses (IEC 63024:201X)

## **HN/T0 E31, *Eksplozivne atmosfere***

### **prEN 60079-0:2016 en**

Explosive atmospheres – Part 0: Equipment – General requirements (IEC 60079-0:201X)  
Eksplozivne atmosfere – 0. dio: Oprema – Opći zahtjevi (IEC 60079-0:201X)

### **prEN 60079-15:2016 en**

Explosive atmospheres – Part 15: Equipment protection by type of protection "n" (IEC 60079-15:201X)  
Eksplozivne atmosfere – 15. dio: Vrsta zaštite opreme zaštita "n" (IEC 60079-15:201X)

## **HN/T0 E34, *Žarulje, svjetiljke i pripadna oprema***

### **EN 60809:2015/prA2:2016 en**

Lamps for road vehicles – Dimensional, electrical and luminous requirements  
(IEC 60809:2014/am2:201X)  
Žarulje za cestovna vozila – Dimenzije, električni i svjetlosni zahtjevi (IEC 60809:2014/am2:201X)

### **prEN 60810:2016 en**

Lamps, light sources and LED packages for road vehicles – Performance requirements  
(IEC 60810:201X)

### **EN 61347-1:2015/prA1:2016 en**

Lamp controlgear – Part 1: General and safety requirements (IEC 61347-1:2015/am1:201X)  
Predspojne naprave za žarulje – 1. dio: Opći i sigurnosni zahtjevi (IEC 61347-1:2015/am1:201X)

### **EN 61347-2-11:2001/prA1:2016 en**

Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with  
luminaires (IEC 61347-2-11:2001/am1:201X)  
Predspojne naprave – Dio 2-11: Posebni zahtjevi za raznovrsne elektroničke krugove koji se  
upotrebljavaju sa svjetilkama (IEC 61347-2-11:2001/am1:201X)

## **HN/T0 E37, *Odvodnici prenapona***

### **prEN 61643-331:2016 en**

Components for low-voltage surge protection – Part 331: Performance requirements and test methods  
for metal oxide varistors (MOV) (IEC 61643-331:201X)

## **HN/T0 E57, *Upravljanje energetskim sustavom i pridružene komunikacije***

### **EN 62325-451-3:2014/prA1:2016 en**

Framework for energy market communications – Part 451-3: Transmission capacity allocation  
business process (explicit or implicit auction) and contextual models for European market  
(IEC 62325-451-3:2014/am1:201X)

Okvir za komunikaciju na tržištu električnom energijom – Dio 451-3: Poslovni proces dodjele  
prijenosnih kapaciteta (sa ili bez dražbe) i odgovarajući modeli za europsko tržište  
(IEC 62325-451-3:2014/am1:201X)

### **prEN 62325-451-4:2016 en**

Framework for energy market communications – Part 451-4: Settlement and reconciliation business  
process, contextual and assembly models for European market (IEC 62325-451-4:201X)

Okvir za komunikaciju na tržištu električnom energijom – Dio 451-4: Utvrđivanje i usklađivanje  
poslovnih procesa, kontekstualni i skupni modeli za europsko tržište (IEC 62325-451-4:201X)

## **HN/T0 E59, Uporabne značajke električnih kućanskih aparata**

### **FprEN 50193-2-2:2016 en**

Electric instantaneous water heaters – Part 2-2: Performance requirements – Single point of use electric instantaneous showers – Efficiency

Električne protočne grijalice vode – Dio 2-2: Izvedbeni zahtjevi – Električni protočni tuševi s jednim izljevnim mjestom – Učinkovitost

### **FprEN 60312-1 en**

Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance (IEC 60312-1:2010, MOD+am1:2011, MOD)

Usisivači prašine za kućansku uporabu – 1. dio: Suhi vakumski čistači – Ispitne metode za mjerjenje radnih značajka (IEC 60312-1:2010, MOD+am1:2011, MOD)

### **prEN 62885-4:2016 en**

Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance (IEC 62885-4:201X)

Uređaji za čišćenje površina – 4. dio: Bežični suhi usisavači za kućnu i sličnu primjenu – Metode za mjerjenje radnih značajki (IEC 62885-4:201X)

## **HN/T0 E62, Električna oprema u medicinskoj praksi**

### **prEN 60601-2-16:2016 en**

Medical electrical equipment – Part 2-16: Particular requirements for basic safety and essential performance of haemodialysis, haemodiafiltration and haemofiltration equipment (IEC 60601-2-16:201X)

Medicinski električni uređaji – Dio 2-16: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za hemodijalizu, hemodijafiltriranje i hemofiltriranje (IEC 60601-2-16:201X)

### **prEN 60601-2-39:2016 en**

Medical electrical equipment – Part 2-39: Particular requirements for basic safety and essential performance of peritoneal dialysis equipment (IEC 60601-2-39:201X)

Medicinski električni uređaji – Dio 2-39: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za peritonealnu hemodijalizu (IEC 60601-2-39:201X)

### **prEN 80601-2-59:2016 en**

Medical electrical equipment – Part 2-59: Particular requirements for the basic safety and essential performance of screening thermographs for human febrile temperature screening (IEC 80601-2-59:201X)

Medicinska električna oprema – Dio 2-59: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke (IEC 80601-2-59:201X)

## **HN/T0 E65, Mjerenje, vođenje i automatizacija industrijskih procesa**

### **EN 61784-3-18:2011/FprA1:2016 en**

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18 (IEC 61784-3-18:2011/am1:2016)

Industrijske komunikacijske mreže – Profili – Dio 3-18: Industrijske sabirnice (fieldbus) za funkciju sigurnost – Dodatne specifikacije za CPF 18 (IEC 61784-3-18:2011/am1:2016)

## **HN/T0 E76, Sigurnost optičkoga zračenja i laserska oprema**

### **prEN 60825-4:2016 en**

Safety of laser products – Part 4: Laser guards (IEC 60825-4:201X)

Sigurnost laserskih proizvoda – 4. dio: Zaštita od lasera (IEC 60825-4:201X)

## **HN/T0 E79, Alarmni sustavi**

### **prEN 50131-2-2 en**

Alarm systems – Intrusion and hold-up systems – Part 2-2: Intrusion detectors – Passive infrared detectors

Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-2: Protuprovalni detektori – Pasivni infracrveni detektori

## **HN/T0 E85, Oprema za mjerjenje električnih i elektromagnetskih veličina**

### **prEN 60051-2:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 2: Special requirements for ammeters and voltmeters (IEC 60051-2:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 2. dio: Posebni zahtjevi za ampermetre i voltmetre (IEC 60051-2:201X)

### **prEN 60051-3:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 3: Special requirements for wattmeters and varmeters (IEC 60051-3:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 3. dio: Posebni zahtjevi za vatmetre i varmetre (IEC 60051-3:201X)

### **prEN 60051-4:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 4: Special requirements for frequency meters (IEC 60051-4:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 4. dio: Posebni zahtjevi za mjerila frekvencije (IEC 60051-4:201X)

### **prEN 60051-5:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 5: Special requirements for phase meters, power factor meters and synchrosopes (IEC 60051-5:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 5. dio: Posebni zahtjevi za mjerila faze, mjerila faktora snage i sinkroskope (IEC 60051-5:201X)

### **prEN 60051-6:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 6:

Special requirements for ohmmeters (impedance meters) and conductance meters (IEC 60051-6:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 6. dio: Posebni zahtjevi za om metre (mjerila impedancije) i mjerila vodljivosti (IEC 60051-6:201X)

### **prEN 60051-7:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 7:

Special requirements for multi-function instruments (IEC 60051-7:201X)

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 7. dio: Posebni zahtjevi za instrumente s više funkcija (IEC 60051-7:201X)

### **prEN 60051-8:2016 en**

Direct acting indicating analogue electrical measuring instruments and their accessories – Part 8:

Special requirements for multi-functions instruments (IEC 60051-8:201X)

## **HN/T0 E100, Audio, video i multimedijski sustavi te njihova oprema**

### **prEN 60728-3:2016 en**

Cable networks for television signals, sound signals and interactive services – Part 3: Active wideband equipment for cable networks (IEC 60728-3:201X)

Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 3. dio: Aktivna širokopojasna oprema za mreže suosnih kabela (IEC 60728-3:201X)

**prEN 62827-2:2016 en**

Wireless Power Transfer – Management – Part 2: Multiple devices control management (TA15)  
(IEC 62827-2:201X)

**HN/T0 E106, Elektromagnetska polja u ljudskome okolišu**

**FprEN 50664 en**

Product standard to demonstrate the compliance of equipment intended for use only by workers with limits on human exposure to electromagnetic fields (0 Hz - 300 GHz), when put into service or in situ

**FprEN 50665 en**

Product standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

**FprEN 50671 en**

Product standard for electromagnetic fields from household appliances, and similar electrical apparatus used by the public and workers, with regard to human exposure

**HN/T0 E108, Sigurnost električke opreme u području audio, video, informacijske i komunikacijske tehnologije**

**FprEN 50332-3:2016 en**

Sound system equipment, headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology – Part 3: measurement method for sound dose management

Oprema zvučnog sustava: Naglavne i ušne slušalice za osobne uređaje za reprodukciju glazbe – Metodologija mjerjenja maksimalne razine zvučnog tlaka – 3. dio: Mjerna metoda upravljanja dozom zvuka

**HN/T0 E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama**

**EN 55016-4-2:2011/prA2 {fragment4}:2016 en**

Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties; statistics and limit modelling – Measurement instrumentation uncertainty (CISPR 16-4-2:2011/am2:201X {fragment 4})  
Specifikacija uređaja i metoda za mjerjenja radiosmetnja i otpornosti – Dio 4-2: Nesigurnosti, statistike i modeliranje dopuštenih vrijednosti – Nesigurnost mjerne opreme (CISPR 16-4-2:2011/am2:201X {fragment 4})

**prEN 61000-3-2:2016 (fragment 3) en**

Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2:201X {fragment 3})  
Elektromagnetska kompatibilnost (EMC) – Dio 3-2: Granice – Granice za harmoničke strujne emisije (za ulazne struje uređaja ≤ 16 A po fazi) (IEC 61000-3-2:201X {fragment 3})

**prEN 61000-3-2:2016 (fragment 4) en**

Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2:201X {fragment 4})  
Elektromagnetska kompatibilnost (EMC) – Dio 3-2: Granice – Granice za harmoničke strujne emisije (za ulazne struje uređaja ≤ 16 A po fazi) (IEC 61000-3-2:201X {fragment 4})

**EN 61000-6-3:2007/prA2:2016 en**

Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006/am2:201X)  
Elektromagnetska kompatibilnost (EMC) – Dio 6-3: Norme srodnih područja – Norma emisije za stambena, poslovna i lakoindustrijska područja (IEC 61000-6-3:2006/am2:201X)

**EN 61000-6-4:2007/prA2:2016 en**

Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments (IEC 61000-6-4:2006/am2:201X)

Elektromagnetska kompatibilnost (EMC) – Dio 6-4: Norme srodnih područja – Norma emisije za industrijska područja (IEC 61000-6-4:2006/am2:201X)

**HN/T0 E501, Elektroakustika i ultrazvuk****EN 61252:1995/prA2:2016 en**

Electroacoustics – Specifications for personal sound exposure meters (IEC 61252:1993/am2:201X)  
Elektroakustika – Specifikacije za osobna mjerila izloženosti zvuku (IEC 61252:1993/am2:201X)

**EN 61260-2:2016/prA1:2016 en**

Electroacoustics – Octave-band and fractional-octave-band filters – Part 2: Pattern-evaluation tests (IEC 61260-2:2016/am1:201X)

Elektroakustika – Oktavni i pojasni filtri s proporcionalnim širinama pojasa – 2. dio: Ispitivanje prijenosnih karakteristika (IEC 61260-2:2016/am1:201X)

**EN 61672-2:2013/prA1:2016 en**

Electroacoustics – Sound level meters – Part 2: Pattern evaluation tests (IEC 61672-2:2013/am1:201X)

Elektroakustika – Zvukomjeri – 2. dio: Tipno ispitivanje (IEC 61672-2:2013/am1:201X)

**HN/T0 T4, Normizacija u telekomunikacijama****Draft EN 300 113 V2.2.0:2016 en**

Land Mobile Service – Radio equipment intended for the transmission of data (and/or speech) using constant or non-constant envelope modulation and having an antenna connector – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Kopnena pokretna služba – Radijska oprema namijenjena za prijenos podataka (i/ili govora) primjenom stalne ili promjenjive modulacije ovojnica i koja ima antenski priključak – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

**EN 300 392-2 V3.8.1:2016 en**

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje

**Draft EN 300 392-5 V2.5.0:2016 en**

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) and Direct Mode Operation (DMO) – Part 5: Peripheral Equipment Interface (PEI)

Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) i rad u izravnome načinu (DMO) – 5. dio: Sučelje periferne opreme (PEI)

**Draft EN 300 700 V2.0.21:2016 en**

Digital Enhanced Cordless Telecommunications (DECT) – Wireless Relay Station (WRS)

Digitalne poboljšane bežične telekomunikacije (DECT) – Bežična reljefna stanica (WRS)

**Draft EN 301 489-3 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 3. dio: Posebni uvjeti za uređaje kratkoga dometa (SRD) na frekvencijama između 9 kHz i 246 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

**Draft EN 301 489-9 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 9. dio: Posebni uvjeti za bežične mikrofone, sličnu radiofrekvencijsku (RF) opremu audioveze te bežične audio uređaje i uređaje za praćenje koji se ulažu u uho – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

**Draft EN 301 489-27 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU – Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P)

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU – 27. dio: Posebni uvjeti za aktivne medicinske implantate veoma male snage (ULP-AMI) i odgovarajuće periferalne naprave

**Draft EN 301 489-29 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU – 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

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU – 29. dio: Posebni uvjeti za uređaje medicinske podatkovne usluge (MEDS) u frekvencijskim pojasima 401 MHz do 402 MHz i 405 MHz do 406 MHz

**Draft EN 301 489-31 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 31. dio: Posebni uvjeti za opremu u frekvencijskom pojasu od 9 kHz do 315 kHz za aktivne medicinske implantate ultra male snage (ULP-AMI-P) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

**Draft EN 301 489-35 V2.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU – Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU – 35. dio: Posebni zahtjevi za aktivne medicinske implantate male snage (LP-AMI) u frekvencijskim pojasima 2 483,5 MHz do 2 500 MHz

**Draft EN 301 489-51 V1.1.0:2016 en**

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 51: Specific conditions for Automotive – Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz – Harmonised Standard covering the essential requirements of article 3.1b of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 51. dio: Posebni uvjeti za automobile, zemaljska vozila i nadzornu radarsku opremu u frekvencijskim pojasima od 24,05 GHz do 24,25 GHz, od 24,05 GHz do 24,5 GHz, od 76 GHz do 77 GHz i od 77 GHz do 81 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

**EN 301 908-2 V11.1.1:2016 en**

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)  
Celularne mreže IMT – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 2. dio: Korisnička oprema (UE) za CDMA s izravnim proširenjem (UTRA FDD)

**EN 301 908-3 V11.1.2:2016 en**

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)  
Celularne mreže IMT – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 3. dio: Bazne postaje (BS) sa CDMA s izravnim raspršenjem spektra (UTRA FDD)

**EN 301 908-13 V11.1.1:2016 en**

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)  
Celularne mreže IMT – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 13. dio: Korisnička oprema (UE) za razvijeni univerzalni terestrijalni radijski pristup (E-UTRA)

**Draft EN 302 264 V2.1.0:2015 en**

Short Range Devices – Transport and Traffic Telematics (TTT) – Short Range Radar equipment operating in the 77 GHz to 81 GHz band – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Uredaji kratkoga dometa (SRD) – Telematika cestovnog prijevoza i prometa (RTTT) – Radar kratkoga dometa koji radi u frekvencijskome pojasu od 77 GHz do 81 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

**Draft EN 302 510 V2.0.1:2016 en**

Short Range Devices (SRD) – Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P) operating in the frequency range 30 MHz to 37,5 MHz – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Uredaji kratkoga dometa (SRD) – Radijska oprema u frekvencijskome području 30 MHz do 37,5 MHz za aktivne medicinske membranske implantate i pribor ultra male snage – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/E

**Draft EN 303 213-1 V1.4.0:2016 en**

Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces  
Smjernica i poboljšani sustav nadzora nad gibanjem po tlu (A-SMGCS) – 1. dio: Specifikacija Zajednice za primjenu Pravilnika EC 552/2004 o međudjelovanju pod jedinstvenim europskim nebom za 1. razinu A-SMGCS-a koja obuhvaća vanjska sučelja

**Draft EN 303 213-2 V1.4.0:2016 en**

Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 2: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 2 including external interfaces  
Smjernica i poboljšani sustav nadzora nad gibanjem po tlu (A-SMGCS) – 2. dio: Specifikacija Zajednice za primjenu Pravilnika EC 552/2004 o međudjelovanju pod jedinstvenim europskim nebom za 2. razinu A-SMGCS-a koja obuhvaća vanjska sučelja

**Draft EN 303 316 V1.0.3:2016 en**

Broadband Direct Air-to-Ground Communications – Equipment operating in the 1 900 MHz to 1 920 MHz and 5 855 MHz to 5 875 MHz frequency bands – Beamforming antennas – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU  
Širokopojasna izravna komunikacija zrak-zemlja – Oprema koja radi u frekvencijskim pojasima 1 900 MHz do 1 920 MHz i 5 855 MHz do 5 875 MHz – Antene sa usmjeravajućim snopom – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

**Draft EN 303 345 V1.1.1:2016 en**

Broadcast Sound Receivers – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Radiodifuzni prijamnici zvuka – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

**Draft EN 303 405 V1.1.0:2016 en**

Land Mobile Service – Analogue and Digital PMR446 Equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Kopnena pokretna služba – Oprema za analogni i digitalni PMR446 – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

**HZN/TO Z1, Informacijska tehnologija****prEN ISO/IEC 27000 en**

Information technology – Security techniques – Information security management systems – Overview and vocabulary (ISO/IEC 27000:2016)

Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Pregled i rječnik (ISO/IEC 27000:2016)

**prEN ISO/IEC 27001 en**

Information technology – Security techniques – Information security management systems – Requirements (ISO/IEC 27001:2013)

Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Zahtjevi (ISO/IEC 27001:2013)

**prEN ISO/IEC 27002 en**

Information technology – Security techniques – Code of practice for information security controls (ISO/IEC 27002:2013)

Informacijska tehnologija – Sigurnosne tehnike – Kodeks postupaka za upravljanje informacijskom sigurnošću (ISO/IEC 27002:2013)

**HZN/TO Z2, Ocjenjivanje sukladnosti i akreditacija****prEN ISO/IEC 17011 en**

Conformity assessment – Requirements for accreditation bodies accrediting conformity assessment bodies (ISO/IEC DIS 17011:2016)

Ocenjivanje sukladnosti – Zahtjevi za akreditacijska tijela koja akreditiraju tijela za ocjenu sukladnosti (ISO/IEC DIS 17011:2016)

**ISO/IEC DIS 17021-3 en**

Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 3: Competence requirements for auditing and certification of quality management systems

Ocenjivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 3. dio: Zahtjevi osposobljenosti za auditiranje i certifikaciju sustava upravljanja kvalitetom

**HZN/TU C1, Kemikalije, kemijsko inženjerstvo, poljoprivredni i prehrambeni proizvodi 1****prEN 16766 en**

Bio-based solvents – Requirements and test methods

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

### **FprCEN/TS 17010 en**

Nanotechnologies – Guidance on measurands for characterising nano-objects and materials that contain them

Nanotehnologija – Upute o mjernim veličinama za karakterizaciju nano objekata i materijala koji ih sadrže

### **prEN ISO 19014-1 en**

Earth-moving machinery – Safety – Part 1: Methodology to determine safety-related parts of the control system and performance requirements (ISO/DIS 19014-1:2016)

Strojevi za zemljane rade – Sigurnost – 1. dio: Metodologija za određivanje sigurnosnih dijelova sustava za upravljanje i zahtjeva za izvedbu (ISO/DIS 19014-1:2016)

### **prEN ISO 19014-3 en**

Earth-moving machinery – Safety – Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system (ISO/DIS 19014-3:2016)

Strojevi za zemljane rade – Sigurnost – 3. dio: Zahtjevi s obzirom na okoliš i zahtjevi za ispitivanje električnih i električnih elemenata koji se upotrebljavaju u sigurnosnim dijelovima sustava za upravljanje (ISO/DIS 19014-3:2016)

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

### **prEN 1883 en**

Feather and down – Sampling in view of tests

Perje i pahuljica – Uzorkovanje u svrhu ispitivanja

### **prEN 13088 en**

Manufactured articles filled with feather and down – Method for the determination of a filled product's total mass and for the determination of the mass of the filling

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

### **FprEN 2285 en**

Aerospace series – Bushes, plain, aluminium alloy, with self-lubricating liner – Dimensions and loads

Zrakoplovstvo – Čahure izrađene od legura aluminija sa samopodmazujućom površinom – Dimenzije i opterećenja

### **FprEN 2286 en**

Aerospace series – Bushes, flanged aluminium alloy, with self-lubricating liner – Dimensions and loads

Zrakoplovstvo – Čahure izrađene od legura aluminija sa samopodmazujućom površinom – Dimenzije i opterećenja

### **FprEN 2311 en**

Aerospace series – Bushes with self-lubricating liner – Technical specification

Zrakoplovstvo – Čahure sa samopodmazujućom površinom – Tehničke specifikacije

### **FprEN 2713-012 en**

Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between -55 °C and 200 °C – Part 012: MNA (1 core), MNB (pair), MNC (3 cores), MND (4 cores), cables family – Silver plated copper screened (spiral) and jacketed, UV laser printable – Product standard

**FprEN 2997-006 en**

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 006: Hermetic jam-nut mounted receptacle – Product standard

Zrakoplovstvo – Spojnice, električne, kružne, opremljene s navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – 006. dio: Utičnica s kontra maticom bez dotoka zraka – Norma za proizvod

**FprEN 4008-003 en**

Aerospace series – Elements of electrical and optical connection – Crimping tools and associated accessories – Part 003: Positioner for crimping tool M22520/2-01 – Product standard

**FprEN 4008-004 en**

Aerospace series – Elements of electrical and optical connection – Crimping tools and associated accessories – Part 004: Die for crimping tool M22520/5-01 – Product standard

**FprEN 4604-010 en**

Aerospace series – Cable, electrical, for signal transmission – Part 010 : Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) – Product standard

Zrakoplovstvo – Kabel, električni, za prijenos signala – Dio 010: Kabel, koaksijalni, lagani, 50 Oma, 200 °C, tip KX (lagani WD) – Norma za proizvod

**FprEN 4674-001 en**

Aerospace series – Electrical cables, installation – Self-wrapping shielding (EMI) protective sleeve – Part 001: Technical specification

Zrakoplovstvo – Električni kabeli, ugradnja – Samoomatajuća, oklopljena (EMI) zaštitna navlaka – Dio 001: Tehnička specifikacija

**FprEN 6075 en**

Aerospace series – Static seal elements O-Ring ethylene-propylene, moulded, phosphate ester resistant (-55 °C to 107 °C) – Inch series

**FprEN 6076 en**

Aerospace series – Static seal elements O-Ring straight thread tube fitting boss, ethylene-propylene, moulded, phosphate ester resistant (-55 °C to 107 °C) – Inch series

**FprEN 6138 en**

Aerospace series – Cap, protective, non-metallic for fitting ends ≤ 3 000 PSI hydraulic systems

**FprEN 9132 en**

Aerospace series – Quality management systems – Data Matrix Quality Requirements for Parts Marking

Zrakoplovstvo – Sustavi upravljanja kvalitetom – Zahtjevi za kvalitetom Datamatrix koda koji se primjenjuje kod oznake dijelova

**prEN 16603-70-41 en**

Space engineering – Telemetry and telecommand packet utilization

**HZN/TU V1, Elektronika 1****prEN 60749-5:2016 en**

Semiconductor devices – Mechanical and climatic test methods – Part 5: Steady-state temperature humidity bias life test (IEC 60749-5:201X)

**prEN 60793-1-1:2016 en**

Optical fibres – Part 1-1: Measurement methods and test procedures – General and guidance (IEC 60793-1-1:201X)

**prEN 60793-1-33:2016 en**

Optical fibres – Part 1-33: Measurement methods and test procedures – Stress corrosion susceptibility  
(IEC 60793-1-33:201X)

**prEN 60793-1-45:2016 en**

Optical fibre – Part 1-45: Measurement methods – Mode field diameter measurement  
(IEC 60793-1-45:201X)

**FprEN 60793-1-47:2016 en**

Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss  
(IEC 60793-1-47:201X)

**prEN 61169-59:2016 en**

Radio-frequency connectors – Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin radio-frequency connectors (IEC 61169-59:201X)

**prEN 61188-7:2016 en**

Printed boards and printed board assemblies – Design and use – Part 7: Electronic component zero orientation for CAD library construction (IEC 61188-7:201X)

**prEN 61191-2:2016 en**

Printed board assemblies – Part 2: Sectional specification – Requirements for surface mount soldered assemblies (IEC 61191-2:201X)

**prEN 61340-4-3:2016 en**

Electrostatics – Part 4-3: Standard test methods for specific applications – Footwear  
(IEC 61340-4-3:201X)

**prEN 61340-4-5:2016 en**

Electrostatics – Part 4-5: Standard test methods for specific applications – Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person  
(IEC 61340-4-5:201X)

**prEN 61587-6:2016 en**

Mechanical structures for electrical and electronic equipment – Tests for IEC 60917 and IEC 60297 – Part 6: Security aspects for indoor cabinets (IEC 61587-6:201X)

**prEN 62783-1:2016 en**

Twinax cables for digital communications – Part 1: Family specification (IEC 62783-1:201X)

**prEN 62783-2:2016 en**

Twinax cables for digital communications – Part 2: Cable for ethernet-over-twinax physical interfaces

**prEN 62979:2016 en**

Photovoltaic module bypass diode thermal runaway test (IEC 62979:201X)

**EN 140401-802:2007/FprA en**

Detail specification: Fixed low power film SMD resistors – Rectangular – Stability classes 1, 2  
Izvršna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 1, 2

**EN 140401-803:2007/FprA en**

Detail specification: Fixed low power film SMD resistors – Cylindrical – Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2

**HN/TU W1, Energetska elektrotehnika 1**

**prEN 61071:2016 en**

Capacitors for power electronics (IEC 61071:201X)  
Kondenzatori za energetsku elektroniku (IEC 61071:201X)

## **1.4 Povučene hrvatske norme**

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

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

#### **HRN ENV 12282:2002 en**

Papir – Tiskovni i poslovni papir – Određivanje rubne prašine (ENV 12282:1996)  
Paper – Printing and business paper – Determination of edge dust (ENV 12282:1996)  
- bez zamjene

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

#### **HRN EN 929:2004 en**

Plovila unutarnje plovidbe – Potiskivanje – Pričvršćenje prijenosnih signalnih jarbola (EN 929:1993)  
Inland navigation vessels – Push-tows – Mounting attachment for demountable signal masts  
(EN 929:1993)  
- zamijenjena s: HRN EN ISO 7236:2016

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

#### **HRN EN 13204:2012 en**

Dvoradni hidraulični alati za spašavanje u vatrogastvu i spasilačkoj službi – Zahtjevi za sigurnost i svojstva (EN 13204:2004+A1:2012)  
Double acting hydraulic rescue tools for fire and rescue service use – Safety and performance requirements (EN 13204:2004+A1:2012)  
- zamijenjena s: HRN EN 13204:2016

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

#### **HRN EN 1564:2001/A1:2008 en**

Ljevarstvo – Izotermički poboljšani nodularni lijevovi (EN 1564:1997/A1:2006)  
Founding – Austempered ductile cast irons (EN 1564:1997/A1:2006)  
- zamijenjena s: HRN EN 1564:2012

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

#### **HRN EN ISO 3924:2010 en**

Naftni proizvodi – Određivanje područja destilacije – Metoda plinske kromatografije (ISO 3924:2010;  
EN ISO 3924:2010)  
Petroleum products – Determination of boiling range distribution – Gas chromatography method  
(ISO 3924:2010; EN ISO 3924:2010)  
- zamijenjena s: HRN EN ISO 3924:2016

### **HZN/TO 34, Poljoprivredni i prehrambeni proizvodi**

#### **HRN ISO 15161:2006 hr**

Smjernice za primjenu norme ISO 9001:2000 za prehrambenu industriju i industriju pića  
(ISO 15161:2001)  
Guidelines on the application of ISO 9001:2000 for the food and drink industry (ISO 15161:2001)  
- zamijenjena s: HRN ISO 22006:2012

**HRN ISO/TS 21098:2007 en**

Hrana – Metode analize genetički modificiranih organizama i od njih dobivenih proizvoda utemeljene na nukleinskoj kiselini – Informacije koje treba dobiti i postupci vezani za metode ISO 21569, ISO 21570 ili ISO 21571 (ISO/TS 21098:2005)

Foodstuffs – Nucleic acid based methods of analysis of genetically modified organisms and derived products – Information to be supplied and procedure for the addition of methods to ISO 21569, ISO 21570 or ISO 21571 (ISO/TS 21098:2005)

- bez zamjene

**HN/T 35, Boje i lakovi****HRN EN ISO 1514:2005 en**

Boje i lakovi – Standardne pločice za ispitivanje (ISO 1514:2004; EN ISO 1514:2004)

Paints and varnishes – Standard panels for testing (ISO 1514:2004; EN ISO 1514:2004)

- zamijenjena s: HRN EN ISO 1514:2016

**HRN EN ISO 1517:1999 en**

Boje i lakovi – Ispitivanje sušenja površine – Ballotinijeva metoda (ISO 1517:1973; EN ISO 1517:1995)

Paints and varnishes – Surface-drying test – Ballotini method (ISO 1517:1973; EN ISO 1517:1995)

- zamijenjena s: HRN EN ISO 9117-3:2011

**HRN EN ISO 3248:2004 en**

Boje i lakovi – Određivanje djelovanja topline (ISO 3248:1998; EN ISO 3248:2000)

Paints and varnishes – Determination of the effect of heat (ISO 3248:1998; EN ISO 3248:2000)

- zamijenjena s: HRN EN ISO 3248:2016

**HRN EN ISO 4623-2:2005 en**

Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 2. dio: Aluminijске podlage (ISO 4623-2:2003; EN ISO 4623-2:2004)

Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates (ISO 4623-2:2003; EN ISO 4623-2:2004)

- zamijenjena s: HRN EN ISO 4623-2:2016

**HRN EN ISO 4623-2:2005/Ispr.1:2008 en**

Boje i lakovi – Određivanje otpornosti na pukotinsku koroziju – 2. dio: Aluminijске podlage (ISO 4623-2:2003/Cor 1:2005; EN ISO 4623-2:2004/AC:2006)

Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates (ISO 4623-2:2003/Cor 1:2005; EN ISO 4623-2:2004/AC:2006)

- zamijenjena s: HRN EN ISO 4623-2:2016

**HRN EN ISO 11664-5:2012 en**

Kolorimetrija – 5. dio: CIE 1976 L\*u\*v\* prostor boje i u', v' jednolična kromatičnost dijagrama skale (ISO 11664-5:2009; EN ISO 11664-5:2011)

Colorimetry – Part 5: CIE 1976 L\*u\*v\* Colour space and u', v' uniform chromaticity scale diagram (ISO 11664-5:2009; EN ISO 11664-5:2011)

- zamijenjena s: HRN EN ISO 11664-5:2016

**HRN ISO 16053:2005 en**

Boje i lakovi – Prekrivni materijali i prekrivni sustavi za drvo izloženo vanjskim uvjetima – Ispitivanje prirodнog starenja (ISO 16053:2004)

Paints and varnishes – Coating materials and coating systems for exterior wood – Natural weathering test (ISO 16053:2004)

- bez zamjene

## **HN/T 43, Akustika**

### **HRN EN ISO 10140-1:2010 en**

Akustika – Laboratorijska mjerena zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode (ISO 10140-1:2010; EN ISO 10140-1:2010)  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products (ISO 10140-1:2010; EN ISO 10140-1:2010)  
- zamijenjena s: HRN EN ISO 10140-1:2016

### **HRN EN ISO 10140-1:2010/A1:2012 en**

Akustika – Laboratorijska mjerena zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode – Amandman 1: Smjernice za određivanje indeksa zvučne izolacije spojeva s ispunama i/ili brtvama (ISO 10140-1:2010/Amd 1:2012; EN ISO 10140-1:2010/A1:2012)  
Acoustics – Laboratory measurements of sound insulation of building elements – Part 1: Application rules for specific products – Amendment 1: Guidelines for the determination of the sound reduction index of joints filled with fillers and/or seals (ISO 10140-1:2010/Amd 1:2012;  
EN ISO 10140-1:2010/A1:2012)

- zamijenjena s: HRN EN ISO 10140-1:2016

### **HRN EN ISO 10140-1:2010/A2:2014 en**

Akustika – Laboratorijska mjerena zvučne izolacije građevnih dijelova zgrade – 1. dio: Pravila primjene za određene proizvode – Amandman 2: Buka padanja kiše (ISO 10140-1:2010/Amd 2:2014;  
EN ISO 10140-1:2010/A2:2014)  
Acoustics – Laboratory measurement of sound insulation of building elements – Part 1: Application rules for specific products – Amendment 2: Rainfall sound (ISO 10140-1:2010/Amd 2:2014;  
EN ISO 10140-1:2010/A2:2014)  
- zamijenjena s: HRN EN ISO 10140-1:2016

## **HN/T 44, Zavarivanje i srodnici postupci**

### **HRN EN ISO 3677:2002 en**

Lemovi za meko, tvrdo i zavarivačko lemljenje – Označivanje (ISO 3677:1992; EN ISO 3677:1995)  
Filler metal for soft soldering, brazing and braze welding – Designation (ISO 3677:1992;  
EN ISO 3677:1995)  
- zamijenjena s: HRN EN ISO 3677:2016

### **HRN EN ISO 5182:2010 en**

Elektrootporno zavarivanje – Materijali za elektrode i pomoćnu opremu (ISO 5182:2008;  
EN ISO 5182:2009)  
Resistance welding – Materials for electrodes and ancillary equipment (ISO 5182:2008;  
EN ISO 5182:2009)  
- zamijenjena s: HRN EN ISO 5182:2016

### **HRN EN ISO 15618-1:2002 en**

Provjera sposobnosti zavarivača za podvodno zavarivanje – 1. dio: Ronioci-zavarivači za podvodno mokro zavarivanje (ISO 15618-1:2001; EN ISO 15618-1:2001)  
Approval testing of welders for under-water welding – Part 1: Diver-welders for hyperbaric wet welding  
(ISO 15618-1:2001; EN ISO 15618-1:2001)  
- zamijenjena s: HRN EN ISO 15618-1:2016

### **HRN EN ISO 17672:2010 en**

Lemljenje – Dodatni metalni materijali (ISO 17672:2010; EN ISO 17672:2010)  
Brazing – Filler metals (ISO 17672:2010; EN ISO 17672:2010)  
- zamijenjena s: HRN EN ISO 17672:2016

## **HNZ/TO 47, Kemija**

### **HRN ISO 2515:1998 en**

Amonijev hidrogenkarbonat za industrijsku uporabu (uključujući namirnice) – Određivanje količine amonijačnog dušika – Volumetrijska metoda nakon destilacije (ISO 2515:1973)  
Ammonium hydrogen carbonate for industrial use (including foodstuffs) – Determination of ammoniacal nitrogen content – Volumetric method after distillation (ISO 2515:1973)  
- bez zamjene

### **HRN ISO 2516:1999 en**

Amonijev hidrogenkarbonat za industrijsku uporabu (uključujući namirnice) – Određivanje ukupnog alkaliteta – Volumetrijska metoda (ISO 2516:1973)  
Ammonium hydrogen carbonate for industrial use (including foodstuffs) – Determination of total alkalinity – Volumetric method (ISO 2516:1973)  
- bez zamjene

### **HRN ISO 3420:1998 en**

Amonijev hidrogenkarbonat za industrijsku uporabu (uključujući namirnice) – Određivanje pepela – Gravimetrijska metoda (ISO 3420:1975)  
Ammonium hydrogen carbonate for industrial use (including foodstuffs) – Determination of ash – Gravimetric method (ISO 3420:1975)  
- bez zamjene

### **HRN ISO 3422:1999 en**

Amonijev hidrogenkarbonat za industrijsku uporabu (uključujući namirnice) – Određivanje ukupnog ugljičnog dioksida – Titrimetrijska metoda (ISO 3422:1975)  
Ammonium hydrogen carbonate for industrial use (including foodstuffs) – Determination of total carbon dioxide – Titrimetric method (ISO 3422:1975)  
- bez zamjene

### **HRN ISO 3708:1998 en**

Fosforna kiselina za industrijsku uporabu (uključujući namirnice) – Određivanje količine klorida – Potenciometrijska metoda (ISO 3708:1976)  
Phosphoric acid for industrial use (including foodstuffs) – Determination of chloride content – Potentiometric method (ISO 3708:1976)  
- bez zamjene

### **HRN ISO 3709:1998 en**

Fosforna kiselina za industrijsku uporabu (uključujući namirnice) – Određivanje količine dušikovih oksida – 3,4-ksilenol spektrofotometrijska metoda (ISO 3709:1976)  
Phosphoric acid for industrial use (including foodstuffs) – Determination of oxides of nitrogen content – 3,4-Xylenol spectrophotometric method (ISO 3709:1976)  
- bez zamjene

### **HRN ISO 4275:1998 en**

Amonijev hidrogenkarbonat za industrijsku uporabu (uključujući namirnice) – Određivanje količine arsena – Fotometrijska metoda sa srebrnim dietilditiokarbamatom (ISO 4275:1977)  
Ammonium hydrogen carbonate for industrial use (including foodstuffs) – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 4275:1977)  
- bez zamjene

### **HRN ISO 5372:1998 en**

Kondenzirani fosfati za industrijsku uporabu (uključujući namirnice) – Određivanje količine arsena – Fotometrijska metoda srebrnog dietilditiokarbamata (ISO 5372:1978)  
Condensed phosphates for industrial use (including foodstuffs) – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 5372:1978)  
- bez zamjene

**HRN ISO 5374:1998 en**

Kondenzirani fosfati za industrijsku uporabu (uključujući namirnice) – Određivanje količine klorida – Potenciometrijska metoda (ISO 5374:1978)  
Condensed phosphates for industrial use (including foodstuffs) – Determination of chloride content – Potentiometric method (ISO 5374:1978)  
- bez zamjene

**HRN ISO 5375:1998 en**

Kondenzirani fosfati za industrijsku uporabu (uključujući namirnice) – Određivanje dušikovih oksida – 3,4-ksilenol spektrofotometrijska metoda (ISO 5375:1979)  
Condensed phosphates for industrial use (including foodstuffs) – Determination of oxides of nitrogen content – 3,4-Xylenol spectrophotometric method (ISO 5375:1979)  
- bez zamjene

**HRN ISO 7099:1998 en**

Fosforna kiselina za industrijsku uporabu (uključujući namirnice) – Određivanje količine sumporovodika – Titrimetrijska metoda (ISO 7099:1983)  
Phosphoric acid for industrial use (including foodstuffs) – Determination of hydrogen sulfide content – Titrimetric method (ISO 7099:1983)  
- bez zamjene

**HRN ISO 7100:1998 en**

Fosforna kiselina za industrijsku uporabu (uključujući namirnice) – Određivanje količine vanadija – Fosfovolframvanadat spektrometrijska metoda (ISO 7100:1983)  
Phosphoric acid for industrial use (including foodstuffs) – Determination of vanadium content – Phosphotungsten vanadate spectrometric method (ISO 7100:1983)  
- bez zamjene

**HZN/TO 47/PO 1, Kemija; Kemikalije****HRN ISO 731-1:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 731-1:1977)  
Formic acid for industrial use – Methods of test – Part 1: General (ISO 731-1:1977)  
- bez zamjene

**HRN ISO 731-2:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje ukupne kiselosti – Titrimetrijska metoda (ISO 731-2:1977)  
Formic acid for industrial use – Methods of test – Part 2: Determination of total acidity – Titrimetric method (ISO 731-2:1977)  
- bez zamjene

**HRN ISO 731-3:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje udjela ostalih kiselina – Potenciometrijska metoda (ISO 731-3:1977)  
Formic acid for industrial use – Methods of test – Part 3: Determination of content of other acids – Potentiometric method (ISO 731-3:1977)  
- bez zamjene

**HRN ISO 731-4:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 4. dio: Vizualno određivanje granične vrijednosti anorganskih klorida (ISO 731-4:1977)  
Formic acid for industrial use – Methods of test – Part 4: Visual limit test for inorganic chlorides (ISO 731-4:1977)  
- bez zamjene

**HRN ISO 731-5:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 5. dio: Vizualno određivanje granične vrijednosti anorganskih sulfata (ISO 731-5:1977)  
Formic acid for industrial use – Methods of test – Part 5: Visual limit test for inorganic sulphates (ISO 731-5:1977)  
- bez zamjene

**HRN ISO 731-6:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 6. dio: Određivanje udjela željeza – Fotometrijska metoda s 2,2' -bipiridilom (ISO 731-6:1977)  
Formic acid for industrial use – Methods of test – Part 6: Determination of iron content – 2,2-Bipyridyl photometric method (ISO 731-6:1977)  
- bez zamjene

**HRN ISO 731-7:2001 en**

Mravlja kiselina za industrijsku uporabu – Metode ispitivanja – 7. dio: Određivanje niskih udjela ostalih hlapljivih kiselina – Titrimetrijska metoda nakon destilacije (ISO 731-7:1977)  
Formic acid for industrial use – Methods of test – Part 7: Determination of low contents of other volatile acid – Titrimetric method after distillation (ISO 731-7:1977)  
- bez zamjene

**HRN ISO 753-1:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 753-1:1981)  
Acetic acid for industrial use – Methods of test – Part 1: General (ISO 753-1:1981)  
- bez zamjene

**HRN ISO 753-2:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje udjela octene kiseline – Titrimetrijska metoda (ISO 753-2:1981)  
Acetic acid for industrial use – Methods of test – Part 2: Determination of acetic acid content – Titrimetric metod (ISO 753-2:1981)  
- bez zamjene

**HRN ISO 753-3:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje udjela mravljе kiseline – Jodometrijska metoda (ISO 753-3:1981)  
Acetic acid for industrial use – Methods of test – Part 3: Determination of formic acid content – Iodometric metod (ISO 753-3:1981)  
- bez zamjene

**HRN ISO 753-4:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje udjela monomernog acetaldehida – Titrimetrijska metoda (ISO 753-4:1981)  
Acetic acid for industrial use – Methods of test – Part 4: Determination of acetaldehyde monomer content – Titrimetric method (ISO 753-4:1981)  
- bez zamjene

**HRN ISO 753-5:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 5. dio: Određivanje udjela ukupnog acetaldehida – Titrimetrijska metoda (ISO 753-5:1981)  
Acetic acid for industrial use – Methods of test – Part 5: Determination of total acetaldehyde content – Titrimetric metod (ISO 753-5:1981)  
- bez zamjene

**HRN ISO 753-6:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 6. dio: Određivanje permaganatnog broja (ISO 753-6:1981)  
Acetic acid for industrial use – Methods of test – Part 6: Determination of permanganate index (ISO 753-6:1981)  
- bez zamjene

**HRN ISO 753-7:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 7. dio: Određivanje dikromatnog broja (ISO 753-7:1981)

Acetic acid for industrial use – Methods of test – Part 7: Determination of dichromate index (ISO 753-7:1981)

- bez zamjene

**HRN ISO 753-8:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 8. dio: Vizualno određivanje granične vrijednosti anorganskih klorida (ISO 753-8:1981)

Acetic acid for industrial use – Methods of test – Part 8: Visual limit test for inorganic chlorides (ISO 753-8:1981)

- bez zamjene

**HRN ISO 753-9:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 9. dio: Vizualno određivanje granične vrijednosti anorganskih sulfata (ISO 753-9:1981)

Acetic acid for industrial use – Methods of test – Part 9: Visual limit test for inorganic sulphates (ISO 753-9:1981)

- bez zamjene

**HRN ISO 753-10:2001 en**

Octena kiselina za industrijsku uporabu – Metode ispitivanja – 10. dio: Vizualno određivanje granične vrijednosti teških metala (uključujući željezo) (ISO 753-10:1981)

Acetic acid for industrial use – Methods of test – Part 10: Visual limit test for heavy metals (including iron) (ISO 753-10:1981)

- bez zamjene

**HRN ISO 754:2001 en**

Anhidrid octene kiseline za industrijsku uporabu – Metode ispitivanja (ISO 754:1982)

Acetic anhydride for industrial use – Methods of test (ISO 754:1982)

- bez zamjene

**HRN ISO 755-1:2001 en**

Butan-1-ol za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 755-1:1981)

Butan-1-ol for industrial use – Methods of test – Part 1: General (ISO 755-1:1981)

- bez zamjene

**HRN ISO 755-2:2001 en**

Butan-1-ol za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje kiselosti – Titrimetrijska metoda (ISO 755-2:1981)

Butan-1-ol for industrial use – Methods of test – Part 2: Determination of acidity – Titrimetric method (ISO 755-2:1981)

- bez zamjene

**HRN ISO 755-3:2001 en**

Butan-1-ol za industrijsku uporabu – Metode ispitivanja – 3. dio: Ispitivanje promjene boje sumpornom kiselinom (ISO 755-3:1981)

Butan-1-ol for industrial use – Methods of test – Part 3: Sulphuric acid colour test (ISO 755-3:1981)

- bez zamjene

**HRN ISO 756-2:2001 en**

Propan-2-ol za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje kiselosti – Titrimetrijska metoda (ISO 756-2:1981)

Propan-2-ol for industrial use – Methods of test – Part 2: Determination of acidity – Titrimetric method (ISO 756-2:1981)

- bez zamjene

**HRN ISO 756-3:2001 en**

Propan-2-ol za industrijsku uporabu – Metode ispitivanja – 3. dio: Ispitivanje mješljivosti s vodom  
(ISO 756-3:1981)  
Propan-2-ol for industrial use – Methods of test – Part 3: Test for miscibility with water  
(ISO 756-3:1981)  
- bez zamjene

**HRN ISO 757-1:2001 en**

Aceton za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 757-1:1982)  
Acetone for industrial use – Methods of test – Part 1: General (ISO 757-1:1982)  
- bez zamjene

**HRN ISO 757-2:2001 en**

Aceton za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje kiselosti uz fenolftalein –  
Titrimetrijska metoda (ISO 757-2:1982)  
Acetone for industrial use – Methods of test – Part 2: Determination of acidity to phenolphthalein –  
Titrimetric method (ISO 757-2:1982)  
- bez zamjene

**HRN ISO 757-3:2001 en**

Aceton za industrijsku uporabu – Metode ispitivanja – 3. dio: Ispitivanje mješljivosti s vodom  
(ISO 757-3:1982)  
Acetone for industrial use – Methods of test – Part 3: Test for miscibility with water (ISO 757-3:1982)  
- bez zamjene

**HRN ISO 757-4:2001 en**

Aceton za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje otpornosti na permanganat  
(ISO 757-4:1983)  
Acetone for industrial use – Methods of test – Part 4: Determination of permanganate time  
(ISO 757-4:1983)  
- bez zamjene

**HRN ISO 757-5:2001 en**

Aceton za industrijsku uporabu – Metode ispitivanja – 5. dio: Kontrolno ispitivanje Agulhonovim  
reagensom (ISO 757-5:1982)  
Acetone for industrial use – Methods of test – Part 5: Control test with Agulhon's reagent  
(ISO 757-5:1982)  
- bez zamjene

**HRN ISO 761:2001 en**

Anhidrid octene kiseline i butan-1-ola za industrijsku uporabu – Određivanje bromnog broja  
(ISO 761:1977)  
Acetic anhydride and butan-1-ol for industrial use – Determination of bromine number (ISO 761:1977)  
- bez zamjene

**HRN ISO 803:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje gubitka mase pri  
300 °C (uobičajena vlaga) (ISO 803:1976)  
Aluminium oxide primarily used for the production of aluminium – Determination of loss of mass at 300  
°C (conventional moisture) (ISO 803:1976)  
- bez zamjene

**HRN ISO 805:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela željeza –  
Fotometrijska metoda s 1,10-fenantrolinom (ISO 805:1976)  
Aluminium oxide primarily used for the production of aluminium – Determination of iron content – 1,10-  
Phenanthroline photometric method (ISO 805:1976)  
- bez zamjene

**HRN ISO 806:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje gubitka mase pri 1000 °C i 1200 °C (ISO 806:1976)

Aluminium oxide primarily used for the production of aluminium – Determination of loss of mass at 1000 degrees C and 1200 degrees C (ISO 806:1976)

- bez zamjene

**HRN ISO 848:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela kalcija – Titrimetrijska metoda (ISO 848:1981)

Phosphoric acid for industrial use – Determination of calcium content – Titrimetric method (ISO 848:1981)

- bez zamjene

**HRN ISO/R 849:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela željeza – Spektrofotometrijska metoda s 2,2'-bipiridilom (ISO/R 849:1968)

Phosphoric acid for industrial use – Determination of iron content – 2,2'-Bipyridyl spectrophotometric method (ISO/R 849:1968)

- bez zamjene

**HRN ISO 900:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela titana – Fotometrijska metoda diantipirilmethanom (ISO 900:1977)

Aluminium oxide primarily used for the production of aluminium – Determination of titanium content – Diantipyrylmethane photometric method (ISO 900:1977)

- bez zamjene

**HRN ISO 903:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje nasipne gustoće bez nabijanja (ISO 903:1976)

Aluminium oxide primarily used for the production of aluminium – Determination of untamped density (ISO 903:1976)

- bez zamjene

**HRN ISO 905:2001 en**

Solna kiselina za industrijsku uporabu – Procjena koncentracije solne kiseline mjeranjem gustoće (ISO 905:1976)

Hydrochloric acid for industrial use – Evaluation of hydrochloric acid concentration by measurement of density (ISO 905:1976)

- bez zamjene

**HRN ISO 906:2001 en**

Solna kiselina za industrijsku uporabu – Određivanje udjela sulfata – Gravimetrijska metoda taloženjem barijevog sulfata (ISO 906:1976)

Hydrochloric acid for industrial use – Determination of sulphate content – Barium sulphate gravimetric method (ISO 906:1976)

- bez zamjene

**HRN ISO 907:2001 en**

Solna kiselina za industrijsku uporabu – Određivanje sulfatnog pepela – Gravimetrijska metoda (ISO 907:1976)

Hydrochloric acid for industrial use – Determination of sulphated ash – Gravimetric method (ISO 907:1976)

- bez zamjene

**HRN ISO 908:2001 en**

Solna kiselina za industrijsku uporabu – Određivanje udjela oksidirajućih i reducirajućih tvari –

Titrimetrijska metoda (ISO 908:1980)

Hydrochloric acid for industrial use – Determination of oxidizing or reducing substances content –

Titrimetric method (ISO 908:1980)

- bez zamjene

**HRN ISO/R 909:2001 en**

Solna kiselina za industrijsku uporabu – Određivanje udjela željeza – Spektrofotometrijska metoda s

2,2'-bipiridilom (ISO/R 909:1968)

Hydrochloric acid for industrial use – Determination of iron content – 2,2'- Bipyridyl spectrophotometric method (ISO/R 909:1968)

- bez zamjene

**HRN ISO 911:2001 en**

Sumporna kiselina za industrijsku uporabu – Procjena koncentracije sumporne kiseline mjerjenjem gustoće (ISO 911:1977)

Sulphuric acid for industrial use – Evaluation of sulphuric acid concentration by measurement of density (ISO 911:1977)

- bez zamjene

**HRN ISO 913:2001 en**

Sumporna kiselina i oleum za industrijsku uporabu – Određivanje pepela – Gravimetrijska metoda (ISO 913:1977)

Sulphuric acid and oleum for industrial use – Determination of ash – Gravimetric method (ISO 913:1977)

- bez zamjene

**HRN ISO 914:2001 en**

Sumporna kiselina i oleum za industrijsku uporabu – Određivanje udjela ukupnog dušika –

Titrimetrijska metoda nakon destilacije (ISO 914:1977)

Sulphuric acid and oleum for industrial use – Determination of total nitrogen content – Titrimetric method after distillation (ISO 914:1977)

- bez zamjene

**HRN ISO/R 915:2001 en**

Sumporna kiselina i oleum za industrijsku uporabu – Određivanje udjela željeza – Spektrofotometrijska metoda s 2,2'-bipiridilom (ISO/R 915:1968)

Sulphuric acid and oleum for industrial use – Determination of iron content – 2,2'- Bipyridyl spectrophotometric method (ISO/R 915:1968)

- bez zamjene

**HRN ISO 983:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 1,10-fenantrolinom (ISO 983:1974)

Sodium hydroxide for industrial use – Determination of iron content – 1,10- Phenanthroline photometric method (ISO 983:1974)

- bez zamjene

**HRN ISO 984:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela silicija – Fotometrijska metoda redukcijom silikomolibdenova kompleksa (ISO 984:1974)

Sodium hydroxide for industrial use – Determination of silica content – Reduced silico-molybdic complex photometric method (ISO 984:1974)

- bez zamjene

**HRN ISO 986:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela kalcija – Kompleksometrijska metoda s EDTA (dinatrijeva sol) (ISO 986:1976)  
Sodium hydroxide for industrial use – Determination of calcium content – EDTA (disodium salt) complexometric method (ISO 986:1976)  
- bez zamjene

**HRN ISO 990:2001 en**

Kalijev hidroksid za industrijsku uporabu – Metode ispitivanja (ISO 990:1973)  
Potassium hydroxide for industrial use – Method of assay (ISO 990:1973)  
- bez zamjene

**HRN ISO 992:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela klorida – Merkurimetrijska metoda (ISO 992:1975)  
Potassium hydroxide for industrial use – Determination of chlorides content – Mercurimetric method (ISO 992:1975)  
- bez zamjene

**HRN ISO 994:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 1,10-fenantrolinom (ISO 994:1973)  
Potassium hydroxide for industrial use – Determination of iron content – 1,10- Phenanthroline photometric method (ISO 994:1973)  
- bez zamjene

**HRN ISO 995:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela silicija – Fotometrijska metoda redukcijom silikomolibdata (ISO 995:1975)  
Potassium hydroxide for industrial use – Determination of silica content – Reduced molybdsilicate photometric method (ISO 995:1975)  
- bez zamjene

**HRN ISO 997:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela kalcija – Kompleksometrijska metoda s EDTA (dinatrijeva sol) (ISO 997:1976)  
Potassium hydroxide for industrial use – Determination of calcium content – EDTA (disodium salt) complexometric method (ISO 997:1976)  
- bez zamjene

**HRN ISO 1232:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela silicija – Spektrofotometrijska metoda redukcijom silikomolibdata (ISO 1232:1976)  
Aluminium oxide primarily used for the production of aluminium – Determination of silica content – Reduced molybdsilicate spetrophotometric method (ISO 1232:1976)  
- bez zamjene

**HRN ISO 1385-2:2001 en**

Esteri ftalne kiseline za industrijsku upotrebu – Metode ispitivanja – 2. dio: Mjerenje obojenja nakon toplinske obradbe (dialil-ftalati isključeni) (ISO 1385-2:1977)  
Phthalate esters for industrial use – Methods of test – Part 2: Measurements of colour after heat treatment (Diallyl phtalate excluded) (ISO 1385-2:1977)  
- bez zamjene

**HRN ISO 1385-3:2001 en**

Esteri ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje pepela (ISO 1385-3:1977)  
Phthalate esters for industrial use – Methods of test – Part 3: Determination of ash (ISO 1385-3:1977)  
- bez zamjene

**HRN ISO 1385-4:2001 en**

Esteri ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje kiselosti uz fenolftalein – Titrimetrijska metoda (ISO 1385-4:1977)  
Phthalate esters for industrial use – Methods of test – Part 4: Determination of acidity to phenolphthalein – Titrimetric method (ISO 1385-4:1977)  
- bez zamjene

**HRN ISO 1385-5:2001 en**

Esteri ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 5. dio: Određivanje udjela estera – Titrimetrijska metoda nakon saponifikacije (esterifikacije) (ISO 1385-5:1977)  
Phthalate esters for industrial use – Methods of test – Part 5: Determination of ester content – Titrimetric method after saponification (ISO 1385-5:1977)  
- bez zamjene

**HRN ISO 1386:2001 en**

Acetatna otapala za industrijsku uporabu – Metode ispitivanja (ISO 1386:1983)  
Solvent acetates for industrial use – Methods of test (ISO 1386:1983)  
- bez zamjene

**HRN ISO 1387:2001 en**

Metanol za industrijsku uporabu – Metode ispitivanja (ISO 1387:1982)  
Methanol for industrial use – Methods of test (ISO 1387:1982)  
- bez zamjene

**HRN ISO 1389-1:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1389-1:1977)  
Phthalic anhydride for industrial use – Methods of tests – Part 1: General (ISO 1389-1:1977)  
- bez zamjene

**HRN ISO 1389-2:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 2. dio: Mjerenje boje rastaljene tvari (ISO 1389-2:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 2: Measurement of colour of the molten material (ISO 1389-2:1977)  
- bez zamjene

**HRN ISO 1389-3:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 3. dio: Mjerenje postojanosti boje (ISO 1389-3:1977)  
Phthalic anhydride for industrial use – Methods of tests – Part 3: Measurement of colour stability (ISO 1389-3:1977)  
- bez zamjene

**HRN ISO 1389-4:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 4. dio: Mjerenje boje nakon obradbe sumpornom kiselinom (ISO 1389-4:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 4: Measurement of colour after treatment with sulphuric acid (ISO 1389-4:1977)  
- bez zamjene

**HRN ISO 1389-5:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 5. dio: Određivanje slobodne kiseline – Potenciometrijska metoda (ISO 1389-5:1977)  
Phthalic anhydride for industrial use – Methods of tests – Part 5: Determination of free acidity – Potentiometric method (ISO 1389-5:1977)  
- bez zamjene

**HRN ISO 1389-6:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 6. dio: Određivanje udjela anhidrida ftalne kiseline – Titrimetrijska metoda (ISO 1389-6:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 6: Determination of phthalic anhydride content – Titrimetric method (ISO 1389-6:1977)  
- bez zamjene

**HRN ISO 1389-7:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 7. dio: Određivanje udjela anhidrida maleinske kiseline – Polarografska metoda (ISO 1389-7:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 7: Determination of maleic anhydride content – Polarographic method (ISO 1389-7:1977)  
- bez zamjene

**HRN ISO 1389-8:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 8. dio: Određivanje pepela (ISO 1389-8:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 8: Determination of ash (ISO 1389-8:1977)  
- bez zamjene

**HRN ISO 1389-9:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 9. dio: Određivanje onečišćenja koja se oksidiraju kalijevim permanganatom u hladnome – Jodometrijska metoda (ISO 1389-9:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 9: Determination of impurities oxidizable in the cold by potassium permanganate – Iodometric method (ISO 1389-9:1977)  
- bez zamjene

**HRN ISO 1389-10:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 10. dio: Određivanje udjela 1,4-naftokinona – Kolorimetrijska metoda (ISO 1389-10:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 10: Determination of 1,4-naphtquinone content – Colorimetric method (ISO 1389-10:1977)  
- bez zamjene

**HRN ISO 1389-11:2001 en**

Anhidrid ftalne kiseline za industrijsku uporabu – Metode ispitivanja – 11. dio: Određivanje udjela željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO 1389-11:1977)  
Phthalic anhydride for industrial use – Methods of test – Part 11: Determination of iron content – 2,2'-Bipyridyl photometric method (ISO 1389-11:1977)  
- bez zamjene

**HRN ISO 1390-1:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1390-1:1977)  
Maleic anhydride for industrial use – Methods of test – Part 1: General (ISO 1390-1:1977)  
- bez zamjene

**HRN ISO 1390-2:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 2. dio: Mjerenje boje rastaljene tvari (ISO 1390-2:1977)  
Maleic anhydride for industrial use – Methods of test – Part 2: Measurement of colour of the molten material (ISO 1390-2:1977)  
- bez zamjene

**HRN ISO 1390-3:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje

slobodne kiseline – Potenciometrijska metoda (ISO 1390-3:1977)

Maleic anhydride for industrial use – Methods of test – Part 3: Determination of free acidity –  
Potentiometric method (ISO 1390-3:1977)

- bez zamjene

**HRN ISO 1390-4:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje udjela

anhidrida maleinske kiseline – Titrimetrijska metoda (ISO 1390-4:1977)

Maleic anhydride for industrial use – Methods of test – Part 4: Determination of maleic anhydride  
content – Titrimetric method (ISO 1390-4:1977)

- bez zamjene

**HRN ISO 1390-5:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 5. dio: Određivanje pepela  
(ISO 1390-5:1977)

Maleic anhydride for industrial use – Methods of test – Part 5: Determination of ash (ISO 1390-5:1977)

- bez zamjene

**HRN ISO 1390-6:2001 en**

Anhidrid maleinske kiseline za industrijsku uporabu – Metode ispitivanja – 6. dio: Određivanje udjela  
željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO 1390-6:1977)

Maleic anhydride for industrial use – Methods of test – Part 6: Determination of iron content – 2,2'-  
Bipyridyl photometric method (ISO 1390-6:1977)

- bez zamjene

**HRN ISO 1391-1:2001 en**

Paraformaldehid za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1391-1:1976)

Paraformaldehyde for industrial use – Methods of test – Part 1: General (ISO 1391-1:1976)

- bez zamjene

**HRN ISO 1391-2:2001 en**

Paraformaldehid za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje pepela  
(ISO 1391-2:1976)

Paraformaldehyde for industrial use – Methods of test – Part 2: Determination of ash  
(ISO 1391-2:1976)

- bez zamjene

**HRN ISO 1391-3:2001 en**

Paraformaldehid za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje udjela željeza –  
Fotometrijska metoda s 2,2'-bipiridilom (ISO 1391-3:1976)

Paraformaldehyde for industrial use – Methods of test – Part 3: Determination of iron content – 2,2'-  
Bipyridyl photometric method (ISO 1391-3:1976)

- bez zamjene

**HRN ISO 1391-4:2001 en**

Paraformaldehid za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje tvari netopljivih u  
vodi (ISO 1391-4:1976)

Paraformaldehyde for industrial use – Methods of test – Part 4: Determination of water-insoluble  
matter (ISO 1391-4:1976)

- bez zamjene

**HRN ISO 1391-5:2001 en**

Paraformaldehid za industrijsku uporabu – Metode ispitivanja – Određivanje udjela aldehyda –  
Titrimetrijska metoda (ISO 1391-5:1981)

Paraformaldehyde for industrial use – Methods of test – Determination of aldehyde content –  
Titrimetric method (ISO 1391-5:1981)

- bez zamjene

**HRN ISO 1393:2001 en**

Tekući halogenirani ugljikovodici za industrijsku uporabu – Određivanje kiselosti – Titrimetrijska metoda (ISO 1393:1977)

Liquid halogenated hydrocarbons for industrial use – Determination of acidity – Titrimetric method (ISO 1393:1977)

- bez zamjene

**HRN ISO 1394:2001 en**

Tekući halogenirani ugljikovodici za industrijsku uporabu – Određivanje točke zamućenja (ISO 1394:1977)

Liquid halogenated hydrocarbons for industrial use – Determination of cloud point (ISO 1394:1977)

- bez zamjene

**HRN ISO 1543:2001 en**

"Benzolna" industrija – Rječnik (ISO 1543:1981)

Benzole industry – Vocabulary (ISO 1543:1981)

- bez zamjene

**HRN ISO 1550:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela natrija – Metoda plamene emisijske spektrofotometrije (ISO 1550:1973)

Potassium hydroxide for industrial use – Determination of sodium content – Flame emission spectrophotometric method (ISO 1550:1973)

- bez zamjene

**HRN ISO 1592:2001 en**

Urea za industrijsku primjenu – Određivanje udjela dušika – Titrimetrijska metoda poslije destilacije (ISO 1592:1977)

Urea for industrial use- Determination of nitrogen content – Titrimetric method after distillation (ISO 1592:1977)

- bez zamjene

**HRN ISO 1593:2001 en**

Urea za industrijsku uporabu – Određivanje bazičnosti – Titrimetrijska metoda (ISO 1593:1977)

Urea for industrial use – Determination of alkalinity – Titrimetric method (ISO 1593:1977)

- bez zamjene

**HRN ISO 1594:2001 en**

Urea za industrijsku uporabu – Određivanje pepela (ISO 1594:1977)

Urea for industrial use – Determination of ash (ISO 1594:1977)

- bez zamjene

**HRN ISO/R 1595:2001 en**

Urea za industrijsku uporabu – Određivanja udjela željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO/R 1595:1970)

Urea for industrial use – Determination of iron content – 2,2'-Bipyridyl photometric method (ISO/R 1595:1970)

- bez zamjene

**HRN ISO 1614:2001 en**

Gliceroli za industrijsku uporabu – Uzorci i metode ispitivanja – Općenito (ISO 1614:1976)

Glycerines for industrial use – Samples and test methods – General (ISO 1614:1976)

- bez zamjene

**HRN ISO 1615:2001 en**

Gliceroli za industrijsku uporabu – Određivanje bazičnosti ili kiselosti – Titrimetrijska metoda (ISO 1615:1976)

Glycerines for industrial use – Determination of alkalinity or acidity – Titrimetric method (ISO 1615:1976)

- bez zamjene

**HRN ISO 1616:2001 en**

Gliceroli za industrijsku uporabu – Određivanje sulfatnog pepela – Gravimetrijska metoda  
(ISO 1616:1976)  
Glycerines for industrial use – Determination of sulphated ash – Gravimetric method (ISO 1616:1976)  
- bez zamjene

**HRN ISO 1617:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela natrija –  
Metoda plamene emisijske spektrofotometrije (ISO 1617:1976)  
Aluminium oxide primarily used for the production of aluminium – Determination of sodium content –  
Flame emission spectrophotometric method (ISO 1617:1976)  
- bez zamjene

**HRN ISO 1618:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela vanadija –  
Fotometrijska metoda N-benzoyl-N-fenilhidroksilaminom (ISO 1618:1976)  
Aluminium oxid primarily used for the production of aluminium – Determination of vanadium content –  
N-Benzoyl-N-phenylhydroxylamine photometric method (ISO 1618:1976)  
- bez zamjene

**HRN ISO 1695:2001 en**

o-Klortoluen za industrijsku uporabu – Popis metoda ispitivanja (ISO 1695:1977)  
o-Chlorotoluene for industrial use – List of methods of test (ISO 1695:1977)  
- bez zamjene

**HRN ISO 1696:2001 en**

p-Klortoluen za industrijsku uporabu – Popis metoda ispitivanja (ISO 1696:1977)  
p-Chlorotoluene for industrial use – List of methods of test (ISO 1696:1977)  
- bez zamjene

**HRN ISO 1697:2001 en**

Klorbenzen za industrijsku uporabu – Popis metoda ispitivanja (ISO 1697:1977)  
Chlorobenzene for industrial use – List of methods of test (ISO 1697:1977)  
- bez zamjene

**HRN ISO 1698:2001 en**

o-Diklorbenzen za industrijsku uporabu – Popis metoda ispitivanja (ISO 1698:1977)  
o-Dichlorobenzene for industrial use – List of methods of test (ISO 1698:1977)  
- bez zamjene

**HRN ISO 1699:2001 en**

p-Diklorbenzen za industrijsku uporabu – Popis metoda ispitivanja (ISO 1699:1977)  
p-Dichlorobenzene for industrial use – List of methods of test (ISO 1699:1977)  
- bez zamjene

**HRN ISO 1843-1:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1843-1:1977)  
Higher alcohols for industrial use – Methods of test – Part 1: General (ISO 1843-1:1977)  
- bez zamjene

**HRN ISO 1843-2:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje kiselosti uz fenolftalein  
– Titrimetrijska metoda (ISO 1843-2:1977)  
Higher alcohols for industrial use – Methods of test – Part 2: Determination of acidity to phenolphthalein  
– Titrimetric method (ISO 1843-2:1977)  
- bez zamjene

**HRN ISO 1843-3:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje udjela karbonilnih spojeva – Potenciometrijska metoda (ISO 1843-3:1977)  
Higher alcohols for industrial use – Methods of test – Part 3: Determination of carbonyl compounds content – Potentiometric method (ISO 1843-3:1977)  
- bez zamjene

**HRN ISO 1843-4:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 4. dio: Određivanje bromnog broja – Titrimetrijska metoda u prisutnosti živinog (II) klorida (ISO 1843-4:1977)  
Higher alcohols for industrial use – Methods of test – Part 4: Determination of bromine number – Titrimetric method in the presence of mercury (II) chloride (ISO 1843-4:1977)  
- bez zamjene

**HRN ISO 1843-5:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 5. dio: Određivanje ukupnog udjela alkohola – Titrimetrijska metoda (ISO 1843-5:1977)  
Higher alcohols for industrial use – Methods of test – Part 5: Determination of total alcohols content – Titrimetric method (ISO 1843-5:1977)  
- bez zamjene

**HRN ISO 1843-6:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 6. dio: Određivanje pepela (ISO 1843-6:1977)  
Higher alcohols for industrial use – Methods of test – Part 6: Determination of ash (ISO 1843-6:1977)  
- bez zamjene

**HRN ISO 1843-7:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 7. dio: Određivanje iskorištenja destilacije (ISO 1843-7:1982)  
Higher alcohols for industrial use – Methods of test – Part 7: Determination of distillation yield (ISO 1843-7:1982)  
- bez zamjene

**HRN ISO 1843-8:2001 en**

Viši alkoholi za industrijsku uporabu – Metode ispitivanja – 8. dio: Ispitivanje boje sumpornom kiselinom (ISO 1843-8:1982)  
Higher alcohols for industrial use – Methods of test – Part 8: Sulphuric acid colour test (ISO 1843-8:1982)  
- bez zamjene

**HRN ISO 1869:2001 en**

Diklormetan (metilen-diklorid) za industrijsku uporabu – Popis metoda ispitivanja (ISO 1869:1977)  
Methylene chloride for industrial use – List of methods of test (ISO 1869:1977)  
- bez zamjene

**HRN ISO 1870:2001 en**

Triklormetan (kloroform) za industrijsku uporabu – Popis metoda ispitivanja (ISO 1870:1977)  
Chloroform for industrial use – List of methods of test (ISO 1870:1977)  
- bez zamjene

**HRN ISO 1897-1:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krežilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 1. dio: Općenito (ISO 1897-1:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 1: General (ISO 1897-1:1977)  
- bez zamjene

**HRN ISO 1897-2:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 2. dio: Određivanje vode – Deanova i Starkova metoda (ISO 1897-2:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 2: Determination of water – Dean and Stark method (ISO 1897-2:1977)  
- bez zamjene

**HRN ISO 1897-3:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 3. dio: Određivanje neutralnih ulja i piridinske baze (ISO 1897-3:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 3: Determination of neutral oils and pyridine base (ISO 1897-3:1977)  
- bez zamjene

**HRN ISO 1897-6:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 6. dio: Ispitivanje prisutnosti vodikova sulfida (samo za krezilnu kiselinu i ksilenole) (ISO 1897-6:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 6: Test for absence of hydrogen sulphide (Cresylic acid and xylenols only) (ISO 1897-6:1977)  
- bez zamjene

**HRN ISO 1897-7:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 7. dio: Mjerenje boje (samo za krezilnu kiselinu i ksilenole) (ISO 1897-7:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 7: Measurement of colour (Cresylic acid and xylenols only) (ISO 1897-7:1977)  
- bez zamjene

**HRN ISO 1897-8:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 8. dio: Određivanje udjela o-krezola (samo za krezilnu kiselinu i ksilenole) (ISO 1897-8:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 8: Determination of o-cresol content (Cresylic acid and xylenols only) (ISO 1897-8:1977)  
- bez zamjene

**HRN ISO 1897-12:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 12. dio: Određivanje destilacijskih svojstava (samo za krezilnu kiselinu i ksilenole) (ISO 1897-12:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 12: Determination of distillation characteristics (Cresylic acid and xylenols only) (ISO 1897-12:1977)  
- bez zamjene

**HRN ISO 1897-13:2001 en**

Fenol, o-krezol, m-krezol, p-krezol, krezilna kiselina i ksilenoli za industrijsku uporabu – Metode ispitivanja – 13. dio: Određivanje ostatka destilacije (samo za krezilnu kiselinu i ksilenole) (ISO 1897-13:1977)  
Phenol, o-cresol, m-cresol, p-cresol, cresylic acid and xylenols for industrial use – Methods of test – Part 13: Determination of residue on distillation (Cresylic acid and xylenols only) (ISO 1897-13:1977)  
- bez zamjene

**HRN ISO 1915:2001 en**

Borov oksid za industrijsku uporabu – Određivanje udjela borovog oksida – Volumetrijska metoda (ISO 1915:1972)  
Boric oxide for industrial use – Determination of boric oxide content – Volumetric method (ISO 1915:1972)  
- bez zamjene

**HRN ISO 1918:2001 en**

Borna kiselina, borov oksid, dinatrijevi tetraborati i sirovi natrijevi borati za industrijsku uporabu – Određivanje spojeva sumpora – Volumetrijska metoda (ISO 1918:1972)  
Boric acid, boric oxide, disodium tetraborates and crude sodium borates for industrial use – Determination of sulphur compounds – Volumetric method (ISO 1918:1972)  
- bez zamjene

**HRN ISO 1980:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje ukupne kiselosti – Titrimetrijska metoda (ISO 1980:1977)  
Nitric acid for industrial use – Determination of total acidity – Titrimetric method (ISO 1980:1977)  
- bez zamjene

**HRN ISO 1981:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje dušikovih spojeva – Titrimetrijska metoda (ISO 1981:1977)  
Nitric acid for industrial use – Determination of nitrous compounds – Titrimetric method (ISO 1981:1977)  
- bez zamjene

**HRN ISO/R 1982:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO/R 1982:1971)  
Nitric acid for industrial use – Determination of iron content – 2,2'-Bipyridyl photometric method (ISO/R 1982:1971)  
- bez zamjene

**HRN ISO 1983:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje sulfatnog pepela – Gravimetrijska metoda (ISO 1983:1977)  
Nitric acid for industrial use – Determination of sulphated ash – Gravimetric method (ISO 1983:1977)  
- bez zamjene

**HRN ISO 2070:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela kalcija (ISO 2070:1997)  
Aluminium oxide primarily used for the production of aluminium – Determination of calcium content (ISO 2070:1997)  
- bez zamjene

**HRN ISO 2071:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela cinka – Metoda plamene atomsko-apsorpcijske spektrometrije (ISO 2071:1976)  
Aluminium oxide primarily used for the production of aluminium – Determination of zinc content – Flame atomic absorption method (ISO 2071:1976)  
- bez zamjene

**HRN ISO 2072:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela cinka – Fotometrijska metoda s PAN-om (ISO 2072:1981)  
Aluminium oxide primarily used for the production of aluminium – Determination of zinc content – PAN photometric method (ISO 2072:1981)  
- bez zamjene

**HRN ISO 2097:2001 en**

Gliceroli za industrijsku uporabu – Određivanje udjela vode – Karl Fischerova metoda (ISO 2097:1972)  
Glycerols for industrial use – Determination of water content – Karl Fischer method (ISO 2097:1972)  
- bez zamjene

**HRN ISO 2098:2001 en**

Gliceroli za industrijsku uporabu – Određivanje pepela – Gravimetrijska metoda (ISO 2098:1972)  
Glycerols for industrial use – Determination of ash – Gravimetric method (ISO 2098:1972)  
- bez zamjene

**HRN ISO 2099:2001 en**

Pročišćeni glicerol za industrijsku uporabu – Određivanje gustoće pri 20 °C (ISO 2099:1972)  
Purified glycerol for industrial use – Determination of density at 20 °C (ISO 2099:1972)  
- bez zamjene

**HRN ISO 2202:2001 en**

Tekući klor za industrijsku uporabu – Određivanje udjela vode primjenom elektrolitičkog analizatora (ISO 2202:1972+Add 1:1975)  
Liquid chlorine for industrial use – Determination of water content using an electrolytic analyser (ISO 2202:1972+Add 1:1975)  
- bez zamjene

**HRN ISO 2210:2001 en**

Tekući halogenirani ugljikovodici za industrijsku uporabu – Određivanje ostatka isparavanjem (ISO 2210:1972)  
Liquid halogenated hydrocarbons for industrial use – Determination of residue on evaporation (ISO 2210:1972)  
- bez zamjene

**HRN ISO 2213:2001 en**

Perkloreten (perkloretilen) za industrijsku uporabu – Metode ispitivanja (ISO 2213:1972)  
Perchloroethylene for industrial use – Methods of test (ISO 2213:1972)  
- bez zamjene

**HRN ISO 2214:2001 en**

Borna kiselina, borov oksid i dinatrijevi tetraborati za industrijsku uporabu – Određivanje udjela mangana – Fotometrijska metoda s formaldoksimom (ISO 2214:1972)  
Boric acid, boric oxide and disodium tetraborates for industrial use – Determination of manganese content – Formaldehyde oxime photometric method (ISO 2214:1972)  
- bez zamjene

**HRN ISO 2215:2001 en**

Borna kiselina, borov oksid i dinatrijevi tetraborati za industrijsku uporabu – Određivanje udjela bakra – Fotometrijska metoda s cink dibenzilditiokarbamatom (ISO 2215:1972)  
Boric acid, boric oxide and disodium tetraborates for industrial use – Determination of copper content – Zinc dibenzylthiocarbamate photometric method (ISO 2215:1972)  
- bez zamjene

**HRN ISO 2221:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje granične vrijednosti za anorganske kloride (ISO 2221:1972)  
Formaldehyde solutions for industrial use – Limit test for inorganic chlorides (ISO 2221:1972)  
- bez zamjene

**HRN ISO 2222:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje granične vrijednosti za anorganske sulfatne (ISO 2222:1972)  
Formaldehyde solutions for industrial use – Limit test for inorganic sulphates (ISO 2222:1972)  
- bez zamjene

**HRN ISO 2223:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje granične vrijednosti za teške metale (isključujući željezo) (ISO 2223:1972)  
Formaldehyde solutions for industrial use – Limit test for heavy metals (excluding iron) (ISO 2223:1972)  
- bez zamjene

**HRN ISO 2224:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje pepela (ISO 2224:1972)  
Formaldehyde solutions for industrial use – Determination of ash (ISO 2224:1972)  
- bez zamjene

**HRN ISO 2225:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje kiselosti (ISO 2225:1972)  
Formaldehyde solutions for industrial use – Determination of acidity (ISO 2225:1972)  
- bez zamjene

**HRN ISO 2226:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 2,2' bipiridilom (ISO 2226:1972)  
Formaldehyde solutions for industrial use – Determination of iron content – 2,2'-Bipyridyl photometric method (ISO 2226:1972)  
- bez zamjene

**HRN ISO 2228:2001 en**

Otopina formaldehida za industrijsku uporabu – Određivanje udjela metanola (ISO 2228:1972)  
Formaldehyde solutions for industrial use – Determination of methanol content (ISO 2228:1972)  
- bez zamjene

**HRN ISO 2312:2001 en**

Tetraklorometan (ugljikov tetraklorid) za industrijsku uporabu – Metode ispitivanja (ISO 2312:1972)  
Carbon tetrachloride for industrial use – Methods of test (ISO 2312:1972)  
- bez zamjene

**HRN ISO 2363:2001 en**

Sumporna kiselina i oleumi za industrijsku uporabu – Određivanje dušikovih oksida – Spektrofotometrijska metoda s 2,4-ksilenolom (ISO 2363:1972)  
Sulphuric acid and oleums for industrial use – Determination of oxides of nitrogen – 2,4-Xylenol spectrophotometric method (ISO 2363:1972)  
- bez zamjene

**HRN ISO 2464:2001 en**

Sirovi glicerin za industrijsku uporabu – Izračunavanje organskih neglicerolskih tvari (ISO 2464:1973)  
Crude glycerine for industrial use – Calculation of Matter (Organic) Non-Glycerol (MONG) (ISO 2464:1973)  
- bez zamjene

**HRN ISO 2465:2001 en**

Gliceroli za industrijsku uporabu – Određivanje udjela arsena – Fotometrijska metoda sa srebrnim dietilditiokarbamatom (ISO 2465:1974)  
Glycerols for industrial use – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 2465:1974)  
- bez zamjene

**HRN ISO 2496:2001 en**

Sec-Butil alkohol za industrijsku uporabu – Popis metoda ispitivanja (ISO 2496:1973)  
secButyl alcohol for industrial use – List of methods of test (ISO 2496:1973)  
- bez zamjene

**HRN ISO 2497:2001 en**

Etil-metil-keton za industrijsku uporabu – Popis metoda ispitivanja (ISO 2497:1973)

Methyl ethyl ketone for industrial use – List of methods of test (ISO 2497:1973)

- bez zamjene

**HRN ISO 2498:2001 en**

Etil-metil-keton za industrijsku uporabu – Ispitivanje preostalog mirisa (ISO 2498:1974)

Methyl ethyl ketone for industrial use – Examination for residual odour (ISO 2498:1974)

- bez zamjene

**HRN ISO 2499:2001 en**

Izobutil-metil-keton za industrijsku uporabu – Popis metoda ispitivanja (ISO 2499:1974)

IsoButyl methyl ketone for industrial use – List of methods of test (ISO 2499:1974)

- bez zamjene

**HRN ISO 2500:2001 en**

Izoamil-metil-keton za industrijsku uporabu – Popis metoda ispitivanja (ISO 2500:1974)

isoAmyl ethyl ketone for industrial use – List of methods of test (ISO 2500:1974)

- bez zamjene

**HRN ISO 2501:2001 en**

Etil-metil-keton, izobutil-metil-keton i etil-izoamil-keton za industrijsku uporabu – Određivanje alkoholnih nečistoća – Volumetrijska metoda (ISO 2501:1974)

Methyl ethyl ketone, isobutyl methyl ketone and isoamyl ethyl ketone for industrial use – Determination of alcoholic impurities – Volumetric method (ISO 2501:1974)

- bez zamjene

**HRN ISO 2511:2001 en**

Furfural za industrijsku uporabu – Popis metoda ispitivanja (ISO 2511:1974)

Furfural for industrial use – List of methods of test (ISO 2511:1974)

- bez zamjene

**HRN ISO 2512:2001 en**

Furfural za industrijsku uporabu – Određivanje ukupnih karbonilnih spojeva – Volumetrijska metoda (ISO 2512:1974)

Furfural for industrial use – Determination of total carbonyl compounds – Volumetric method (ISO 2512:1974)

- bez zamjene

**HRN ISO 2513:2001 en**

Acetaldehid za industrijsku uporabu – Određivanje gustoće pri 15 °C (ISO 2513:1974)

Acetaldehyde for industrial use – Determination of density at 15 degrees C (ISO 2513:1974)

- bez zamjene

**HRN ISO 2514:2001 en**

Acetaldehid za industrijsku uporabu – Određivanje udjela vode – Karl Fischerova metoda (ISO 2514:1974)

Acetaldehyde for industrial use – Determination of water content – Karl Fischer method (ISO 2514:1974)

- bez zamjene

**HRN ISO 2517:2001 en**

4-hidroksi-4-metilpentan-2-on (diaceton alkohol) za industrijsku uporabu – Popis metoda ispitivanja (ISO 2517:1974)

Diacetone alcohol for industrial use – List of methods of test (ISO 2517:1974)

- bez zamjene

**HRN ISO 2518:2001 en**

4-hidroksi-4-metilpentan-2-on (diaceton alkohol) i 2-metilpentan-2,4-diol (heksilen glikol) za industrijsku uporabu – Ispitivanje mješljivosti s vodom (ISO 2518:1974)  
Diacetone alcohol and hexylene glycol for industrial use – Test for miscibility with water (ISO 2518:1974)  
- bez zamjene

**HRN ISO 2519:2001 en**

2-metilpentan-2,4-diol (heksilen glikol) za industrijsku uporabu – Popis metoda ispitivanja (ISO 2519:1974)  
Hexylene glycol for industrial use – List of methods of test (ISO 2519:1974)  
- bez zamjene

**HRN ISO 2520:2001 en**

Tritolil fosfat za industrijsku uporabu – Popis metoda ispitivanja (ISO 2520:1974)  
Tritoly phosphate for industrial use – List of methods of test (ISO 2520:1974)  
- bez zamjene

**HRN ISO 2521:2001 en**

Tritolil fosfat za industrijsku uporabu – Određivanje kiselosti uz fenolno crvenilo – Volumetrijska metoda (ISO 2521:1974)  
Tritoly phosphate for industrial use – Determination of acidity to phenol red – Volumetric method (ISO 2521:1974)  
- bez zamjene

**HRN ISO 2522:2001 en**

Tritolil fosfat za industrijsku uporabu – Određivanje udjela slobodnog fenola – Volumetrijska metoda (ISO 2522:1974)  
Tritoly phosphate for industrial use – Determination of apparent free phenol content – Volumetric method (ISO 2522:1974)  
- bez zamjene

**HRN ISO 2523:2001 en**

Esteri adipinske kiseline za industrijsku uporabu – Popis metoda ispitivanja (ISO 2523:1974)  
Adipate esters for industrial use – List of methods of test (ISO 2523:1974)  
- bez zamjene

**HRN ISO 2524:2001 en**

Esteri adipinske kiseline za industrijsku uporabu – Mjerenje boje nakon toplinske obradbe (ISO 2524:1974)  
Adipate esters for industrial use – Measurement of colour after heat treatment (ISO 2524:1974)  
- bez zamjene

**HRN ISO 2525:2001 en**

Esteri adipinske kiseline za industrijsku uporabu – Određivanje kiselosti uz fenolftalein – Volumetrijska metoda (ISO 2525:1974)  
Adipate esters for industrial use – Determination of acidity to phenolphthalein – Volumetric method (ISO 2525:1974)  
- bez zamjene

**HRN ISO 2526:2001 en**

Esteri adipinske kiseline za industrijsku uporabu – Određivanje pepela – Gravimetrijska metoda (ISO 2526:1974)  
Adipate esters for industrial use – Determination of ash – Gravimetric method (ISO 2526:1974)  
- bez zamjene

**HRN ISO 2527:2001 en**

Esteri adipinske kiseline za industrijsku uporabu – Određivanje udjela estera – Volumetrijska metoda  
(ISO 2527:1974)  
Adipate esters for industrial use – Determination of ester content – Volumetric method  
(ISO 2527:1974)  
- bez zamjene

**HRN ISO 2717:2001 en**

Sumporna kiselina i oleum za industrijsku uporabu – Određivanje udjela olova – Fotometrijska metoda  
s ditizonom (ISO 2717:1973)  
Sulphuric acid and oleum for industrial use – Determination of lead content – Dithizone photometric  
method (ISO 2717:1973)  
- bez zamjene

**HRN ISO 2749:2001 en**

Urea za industrijsku uporabu – Mjerenje pH otopine uree uobičajene koncentracije (100g/l) –  
Potenciometrijska metoda (ISO 2749:1973)  
Urea for industrial use – Measurement of the pH of a solution of urea of conventional concentration  
(100g/l) – Potentiometric method (ISO 2749:1973)  
- bez zamjene

**HRN ISO 2750:2001 en**

Urea za industrijsku uporabu – Mjerenje intenziteta boje otopine ureaformaldehida u Hazenovim  
jedinicama (platina-kobalt skala) (ISO 2750:1974)  
Urea for industrial use – Measurement of colour in Hazen units (platinum-cobalt scale) of a urea-  
formaldehyde solution (ISO 2750:1974)  
- bez zamjene

**HRN ISO 2751:2001 en**

Urea za industrijsku uporabu – Određivanje koeficijenta pufera – Potenciometrijska metoda  
(ISO 2751:1973)  
Urea for industrial use – Determination of the buffer coefficient – Potentiometric method  
(ISO 2751:1973)  
- bez zamjene

**HRN ISO 2752:2001 en**

Urea za industrijsku uporabu – Mjerenje promjene pH u prisutnosti formaldehida – Potenciometrijska  
metoda (ISO 2752:1973)  
Urea for industrial use – Measurement of the variation of pH in the presence of formaldehyde –  
Potentiometric method (ISO 2752:1973)  
- bez zamjene

**HRN ISO 2755:2001 en**

1,1,1-Trikloretan za industrijsku uporabu – Popis metoda ispitivanja (ISO 2755:1973)  
1,1,1-Trichloroethane for industrial use – List of methods of test (ISO 2755:1973)  
- bez zamjene

**HRN ISO 2756:2001 en**

Heksaklorbenzen za industrijsku uporabu – Popis metoda ispitivanja (ISO 2756:1973)  
Hexachlorobenzene for industrial use – List of methods of test (ISO 2756:1973)  
- bez zamjene

**HRN ISO 2757:2001 en**

1,2,4-Triklorbenzen za industrijsku uporabu – Popis metoda ispitivanja (ISO 2757:1973)  
1,2,4-Trichlorobenzene for industrial use – List of methods of test (ISO 2757:1973)  
- bez zamjene

**HRN ISO 2879:2001 en**

Glicerol za industrijsku uporabu – Određivanje udjela glicerola – Titrimetrijska metoda  
(ISO 2879:1975)

Glycerine for industrial use – Determination of glycerol content – Titrimetric method (ISO 2879:1975)  
- bez zamjene

**HRN ISO 2885:2001 en**

Acetaldehid za industrijsku uporabu – Određivanje udjela ukupnih karbonilnih spojeva – Volumetrijska metoda (ISO 2885:1973)

Acetaldehyde for industrial use – Determination of total content of carbonyl compounds – Volumetric method (ISO 2885:1973)

- bez zamjene

**HRN ISO 2886:2001 en**

Acetaldehid za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO 2886:1973)

Acetaldehyde for industrial use – Determination of iron content – 2,2'-Bipyridyl photometric method (ISO 2886:1973)

- bez zamjene

**HRN ISO 2887:2001 en**

sec-Butil-alkohol, etil-metil-keton, izobutil-metil-keton, etil-izoamil-keton, 4-hidroksid-4-metilpentan-2-on i 2-metilpentan-2,4-diol za industrijsku uporabu – Određivanje kiselosti uz fenolftalein – Volumetrijska metoda (ISO 2887:1973)

secButyl alcohol, methyl ethyl ketone, isobutyl methyl ketone, isoamyl ethyl ketone, diacetone alcohol and hexylene glycol for industrial use – Determination of acidity to phenolphthalein – Volumetric method (ISO 2887:1973)

- bez zamjene

**HRN ISO 2888:2001 en**

Furfural za industrijsku uporabu – Određivanje kiselosti uz fenolftalein – Volumetrijska metoda (ISO 2888:1973)

Furfural for industrial use – Determination of acidity to phenolphthalein – Volumetric method (ISO 2888:1973)

- bez zamjene

**HRN ISO 2899:2001 en**

Sumporna kiselina i oleumi za industrijsku uporabu – Određivanje udjela amonijačnog dušika – Spektrofotometrijska metoda (ISO 2899:1974)

Sulphuric acid and oleums for industrial use – Determination of ammoniacal nitrogen content – Spectrophotometric method (ISO 2899:1974)

- bez zamjene

**HRN ISO 2900:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela ugljikovog dioksida – Titrimetrijska metoda (ISO 2900:1973)

Potassium hydroxide for industrial use – Determination of carbon dioxide content – Titrimetric method (ISO 2900:1973)

- bez zamjene

**HRN ISO 2926:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Analiza veličina čestica – Metoda prosijavanja (ISO 2926:1974)

Aluminium oxide primarily used for the production of aluminium – Particle size analysis – Sieving method (ISO 2926:1974)

- bez zamjene

**HRN ISO 2990:2001 en**

Dušična kiselina za industrijsku uporabu – Procjena koncentracije dušične kiseline mjerenjem gustoće

(ISO 2990:1974)

Nitric acid for industrial use – Evaluation of the nitric acid concentration by measurement of density

(ISO 2990:1974)

- bez zamjene

**HRN ISO 2991:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje udjela amonijačnog dušika –

Spektrofotometrijska metoda (ISO 2991:1974)

Nitric acid for industrial use – Determination of ammoniacal nitrogen content – Spectrophotometric method (ISO 2991:1974)

- bez zamjene

**HRN ISO 3119:2001 en**

Borna kiselina, borov oksid i dinatrijevi tetraborati za industrijsku uporabu – Određivanje udjela kroma – Fotometrijska metoda s difenilkarbazidom (difenilkarbinohidrazidom) (ISO 3119:1976)

Boric acid, boric oxide and disodium tetraborates for industrial use – Determination of chromium content – Diphenylcarbazide photometric method (ISO 3119:1976)

- bez zamjene

**HRN ISO 3121:2001 en**

Borna kiselina, borov oksid i dinatrijevi tetraborati za industrijsku uporabu – Određivanje udjela klorida – Merkurimetrijska metoda (ISO 3121:1976)

Boric acid, boric oxide and disodium tetraborates for industrial use – Determination of chloride content – Mercurimetric method (ISO 3121:1976)

- bez zamjene

**HRN ISO 3122:2001 en**

Borna kiselina, borov oksid, dinatrijevi tetraborati, natrijevi perborati i sirovi borati za industrijsku uporabu – Određivanje udjela željeza – Fotometrijska metoda s 2,2'-bipiridilom (ISO 3122:1976)

Boric acid, boric oxide, disodium tetraborates, sodium perborates and crude borates for industrial use – Determination of iron content – 2,2'-Bipyridyl photometric method (ISO 3122:1976)

- bez zamjene

**HRN ISO 3138:2001 en**

Bezvodni fluorovodik za industrijsku uporabu – Određivanje udjela nehlapljivih kiselina – Titrimetrijska metoda (ISO 3138:1974)

Anhydrous hydrogen fluoride for industrial use – Determination of non-volatile acid content – Titrimetric method (ISO 3138:1974)

- bez zamjene

**HRN ISO 3177:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela klorida – Fotometrijska metoda (ISO 3177:1975)

Potassium hydroxide for industrial use – Determination of chlorides content – Photometric method (ISO 3177:1975)

- bez zamjene

**HRN ISO 3194:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje sumpornih spojeva – Metoda redukcijom i titrimetrijom (ISO 3194:1975)

Potassium hydroxide for industrial use – Determination of sulphur compounds – Method by reduction and titrimetry (ISO 3194:1975)

- bez zamjene

**HRN ISO 3197:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela klorida – Fotometrijska metoda

(ISO 3197:1975)

Sodium hydroxide for industrial use – Determination of chlorides content – Photometric method

(ISO 3197:1975)

- bez zamjene

**HRN ISO 3198:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje sumpornih spojeva – Metoda redukcijom i titrimetrijom (ISO 3198:1975)

Sodium hydroxide for industrial use – Determination of sulphur compounds – Method by reduction and titrimetry (ISO 3198:1975)

- bez zamjene

**HRN ISO 3328:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje udjela sulfata – Metoda redukcijom i titrimetrijom (ISO 3328:1975)

Nitric acid for industrial use – Determination of sulphate content – Method by reduction and titrimetry (ISO 3328:1975)

- bez zamjene

**HRN ISO 3359:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela arsena – (Spektro)fotometrijska metoda sa srebrnim dietilditiokarbamatom (ISO 3359:1975)

Phosphoric acid for industrial use – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 3359:1975)

- bez zamjene

**HRN ISO 3361:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela topljivog silicija – Spektrofotometrijska metoda redukcijom silikomolibdata (ISO 3361:1975)

Phosphoric acid for industrial use – Determination of soluble silica content – Reduced molybdate-silicate spectrophotometric method (ISO 3361:1975)

- bez zamjene

**HRN ISO 3362:2001 en**

Benzil-klorid za industrijsku uporabu – Metode ispitivanja (ISO 3362:1976)

Benzyl-chloride for industrial use – Methods of test (ISO 3362:1976)

- bez zamjene

**HRN ISO 3390:2001 en**

Aluminijev oksid prije svega upotrebljavan za proizvodnju aluminija – Određivanje udjela mangana – Metoda plamene atomske apsorpcijske spektrometrije (ISO 3390:1976)

Aluminium oxide primarily used for the production of aluminium – Determination of manganese content – Flame atomic absorption method (ISO 3390:1976)

- bez zamjene

**HRN ISO 3392:2001 en**

Kriolit, prirodni i sintetički i aluminijev fluorid za industrijsku uporabu – Određivanje udjela vode – Elektrometrijska metoda (ISO 3392:1976)

Cryolite, natural and artificial, and aluminium fluoride for industrial use – Determination of water content – Electrometric method (ISO 3392:1976)

- bez zamjene

**HRN ISO 3693:2001 en**

Dušična kiselina za industrijsku uporabu – Određivanje udjela kloridnih iona – Potenciometrijsko određivanje (ISO 3693:1977)

Nitric acid for industrial use – Determination of chloride ions content – Potentiometric method (ISO 3693:1977)

- bez zamjene

**HRN ISO 3697:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela kalcija i magnezija – Metoda plamene atomsko-apsorpcijske spektrometrije (ISO 3697:1976)  
Sodium hydroxide for industrial use – Determination of calcium and magnesium contents – Flame atomic absorption method (ISO 3697:1976)  
- bez zamjene

**HRN ISO 3698:2001 en**

Kalijev hidroksid za industrijsku uporabu – Određivanje udjela kalcija i magnezija – Metoda plamene atomsko-apsorpcijske spektrometrije (ISO 3698:1976)  
Potassium hydroxide for industrial use – Determination of calcium and magnesium contents – Flame atomic absorption method (ISO 3698:1976)  
- bez zamjene

**HRN ISO 3700:2001 en**

Bezvodni fluorovodik za industrijsku uporabu – Određivanje udjela vode – Konduktometrijska metoda (ISO 3700:1980)  
Anhydrous hydrogen fluoride for industrial use – Determination of water content – Conductimetric method (ISO 3700:1980)  
- bez zamjene

**HRN ISO 3701:2001 en**

Bezvodni fluorovodik za industrijsku uporabu – Određivanje udjela heksafluorosilicijeve kiseline – Fotometrijska metoda redukcijom silikomolibdata (ISO 3701:1976)  
Anhydrous hydrogen fluoride for industrial use – Determination of hexafluorosilicic acid content – Reduced molybdate photometric method (ISO 3701:1976)  
- bez zamjene

**HRN ISO 3702:2001 en**

Bezvodni fluorovodik za industrijsku uporabu – Određivanje udjela sumporovog dioksida – Jodometrijska metoda (ISO 3702:1976)  
Anhydrous hydrogen fluoride for industrial use – Determination of sulphur dioxide content – Iodometric method (ISO 3702:1976)  
- bez zamjene

**HRN ISO 4274:2001 en**

Urea za industrijsku uporabu – Određivanje udjela biureta – Metoda plamene atomske apsorpcije i metoda apsorpcijske fotometrije (ISO 4274:1977)  
Urea for industrial use – Determination of biuret content – Flame atomic absorption and photometric absorption methods (ISO 4274:1977)  
- bez zamjene

**HRN ISO 4277:2001 en**

Kriolit, prirodni i sintetički – Uobičajeno ispitivanje za procjenu udjela slobodnih fluorida (ISO 4277:1977)  
Cryolite, natural and artificial – Conventional test for evaluation of free fluorides content (ISO 4277:1977)  
- bez zamjene

**HRN ISO 5271:2001 en**

Benzen za industrijsku uporabu – Specifikacija (ISO 5271:1979)  
Benzene for industrial use – Specification (ISO 5271:1979)  
- bez zamjene

**HRN ISO 5274:2001 en**

Aromatski ugljikovodici – Ispitivanje kiselog ostatka (ISO 5274:1979)  
Aromatic hydrocarbons – Acid-wash test (ISO 5274:1979)  
- bez zamjene

**HRN ISO 5276:2001 en**

Aromatski ugljikovodici – Ispitivanje neutralnosti (ISO 5276:1979)

Aromatic hydrocarbons – Test for neutrality (ISO 5276:1979)

- bez zamjene

**HRN ISO 5277:2001 en**

Aromatski ugljikovodici – Određivanje ostatka uparavanjem proizvoda s vrelištem do 150 °C (ISO 5277:1981)

Aromatic hydrocarbons – Determination of residue on evaporation of products having boiling points up to 150 degrees C (ISO 5277:1981)

- bez zamjene

**HRN ISO 5278:2001 en**

Benzen – Određivanje točke kristalizacije (ISO 5278:1980 uključujući Ispravak:1981-12)

Benzene – Determination of crystallizing point (ISO 5278:1980 including Erratum:1981-12)

- bez zamjene

**HRN ISO 5279:2001 en**

Toluen – Određivanje onečišćenja ugljikovodicima – Metoda plinske kromatografije (ISO 5279:1980 uključujući Ispravak:1981)

Toluene – Determination of hydrocarbon impurities – Gas chromatographic method (ISO 5279:1980 including Erratum:1981)

- bez zamjene

**HRN ISO 5281:2001 en**

Aromatski ugljikovodici – Benzen, ksilen i toluen – Određivanje gustoće pri 20°C (ISO 5281:1980)

Aromatic hydrocarbons – Benzene, xylene and toluene – Determination of density at 20 degrees C (ISO 5281:1980)

- bez zamjene

**HRN ISO 5785:2001 en**

Solna kiselina za industrijsku uporabu – Određivanje udjela arsena – Fotometrijska metoda sa srebrnim dietilditiokarbamatom (ISO 5785:1978)

Hydrochloric acid for industrial use – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 5785:1978)

- bez zamjene

**HRN ISO 5787:2001 en**

Klormetan (metil-klorid) i kloretan (etyl-klorid) za industrijsku uporabu – Metode ispitivanja (ISO 5787:1979)

Methyl chloride and ethyl chloride for industrial use – Methods of test (ISO 5787:1979)

- bez zamjene

**HRN ISO 5792:2001 en**

Sumporna kiselina za industrijsku uporabu – Određivanje udjela arsena – Fotometrijska metoda sa srebrnim dietilditiokarbamatom (ISO 5792:1978)

Sulphuric acid for industrial use – Determination of arsenic content – Silver diethyldithiocarbamate photometric method (ISO 5792:1978)

- bez zamjene

**HRN ISO 5793:2001 en**

Sumpor za industrijsku uporabu – Određivanje udjela klorida – (Spektro)Fotometrijska metoda (ISO 5793:1978)

Sulphur for industrial use – Determination of chloride content – Photometric method (ISO 5793:1978)

- bez zamjene

**HRN ISO 5916:2001 en**

Klormetan (metil-klorid) za industrijsku uporabu – Određivanje nečistoća – Metoda plinske kromatografije (ISO 5916:1982)

Methyl chloride for industrial use – Determination of impurities – Gas chromatographic methods (ISO 5916:1982)

- bez zamjene

**HRN ISO 5917:2001 en**

Fluorklorirani ugljikovodici – Određivanje intervala vrenja – Ispitivanje za karakterizaciju produkta (ISO 5917:1980)

Chlorofluorinated hydrocarbons – Determination of boiling range – Test for product characterization (ISO 5917:1980)

- bez zamjene

**HRN ISO 5918:2001 en**

Fluorklorirani ugljikovodici za industrijsku uporabu – Određivanje udjela inertnog plina – Metoda plinske kromatografije – Opća načela (ISO 5918:1982)

Chlorofluorohydrocarbons for industrial use – Determination of inert gas content – Gas chromatographic methods – General principles (ISO 5918:1982)

- bez zamjene

**HRN ISO 5920:2001 en**

Fluorklorirani ugljikovodici – Određivanje udjela vode – Gravimetrijska metoda (ISO 5920:1983)

Chlorofluorinated hydrocarbons – Determination of water content – Gravimetric method (ISO 5920:1983)

- bez zamjene

**HRN ISO 5921:2001 en**

Fluorklorirani ugljikovodici za industrijsku uporabu – Analiza metodom plinske kromatografije – Opća načela (ISO 5921:1982)

Chlorofluorohydrocarbons for industrial use – Analysis by gas chromatography – General principles (ISO 5921:1982)

- bez zamjene

**HRN ISO 5932:2001 en**

Borna kiselina, borov oksid i dinatrijevi tetraborati za industrijsku uporabu – Određivanje udjela kobalta – (Spektro)Fotometrijska metoda s 2-nitrozo-1-naftolom (ISO 5932:1980)

Boric acid, boric oxide and disodium tetraborates for industrial use – Determination of cobalt content – 2-nitroso-1-naphthol photometric method (ISO 5932:1980)

- bez zamjene

**HRN ISO 5933:2001 en**

Borna kiselina, borov oksid, dinatrijevi tetraborati i sirovi natrijevi borati za industrijsku uporabu – Određivanje udjela ukupnog nikla u bornoj kiselini, borovom oksidu i dinatrijevim tetraboratima i udjela nikla topljivog u lužini u sirovim natrijevim boratima – Fotometrijska metoda s furil alfa-dioksimom (2,2'-furil-dioksimom) (ISO 5933:1980 uključujući Ispravak:1981)

Boric acid, boric oxide, disodium tetraborates and crude sodium borates for industrial use – Determination of total nickel content of boric acid, boric oxide and disodium tetraborates and the alkali-soluble nickel content of crude sodium borates – Furil alpha-dioxime photometric method (ISO 5933:1980 including Erratum:1981)

- bez zamjene

**HRN ISO 5992:2001 en**

Natrijev hidroksid za industrijsku uporabu – Određivanje udjela žive – Fotometrijska metoda s ditizonom (ISO 5992:1979)

Sodium hydroxide for industrial use – Determination of mercury content – Dithizone photometric method (ISO 5992:1979)

- bez zamjene

**HRN ISO 6191:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje tragova vode – Karl Fischerova metoda (ISO 6191:1981)  
Light olefins for industrial use – Determination of traces of water – Karl Fischer method (ISO 6191:1981)  
- bez zamjene

**HRN ISO 6192:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje amonijaka – Fotometrijska metoda (ISO 6192:1981)  
Light olefins for industrial use – Determination of ammonia – Photometric method (ISO 6192:1981)  
- bez zamjene

**HRN ISO 6257:2001 en**

Materijali koji sadrže ugljik upotrijebljeni u proizvodnji aluminija – Pasta za elektrode – Uzorkovanje (ISO 6257:1980)  
Carbonaceous materials used in the production of aluminium – Pitch for electrodes – Sampling (ISO 6257:1980)  
- bez zamjene

**HRN ISO 6377:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje nečistoća plinskom kromatografijom – Općenito (ISO 6377:1981)  
Light olefins for industrial use – Determination of impurities by gas chromatography – General considerations (ISO 6377:1981)  
- bez zamjene

**HRN ISO 6378:2001 en**

Butadien (buta-1,3-dien) za industrijsku uporabu – Određivanje nečistoća ugljikovodika – Metoda plinske kromatografije (ISO 6378:1981)  
Butadiene for industrial use – Determination of hydrocarbon impurities – Gas chromatographic method (ISO 6378:1981)  
- bez zamjene

**HRN ISO 6379:2001 en**

Etilen (eten) za industrijsku uporabu – Određivanje nečistoća ugljikovodika – Metoda plinske kromatografije (ISO 6379:1981)  
Ethylene for industrial use – Determination of hydrocarbon impurities – Gas chromatographic method (ISO 6379:1981)  
- bez zamjene

**HRN ISO 6380:2001 en**

Propilen (propen) za industrijsku uporabu – Određivanje nečistoća ugljikovodika – Metoda plinske kromatografije (ISO 6380:1981)  
Propylene for industrial use – Determination of hydrocarbon impurities – Gas chromatographic method (ISO 6380:1981)  
- bez zamjene

**HRN ISO 6381:2001 en**

Etilen i propilen (eten i propen) za industrijsku uporabu – Određivanje tragova ugljikovog monoksida i ugljikovog dioksida – Metoda plinske kromatografije (ISO 6381:1981)  
Ethylene and propylene for industrial use – Determination of traces of carbon monoxide and carbon dioxide – Gas chromatographic method (ISO 6381:1981)  
- bez zamjene

**HRN ISO 6677:2001 en**

Heksafuorosilicijeva kiselina za industrijsku uporabu – Određivanje udjela dostupnog fluora –  
Potenciometrijska metoda poslije destilacije (ISO 6677:1983)  
Hexafluorosilicic acid for industrial use – Determination of available fluorine content – Potentiometric  
method after distillation (ISO 6677:1983)  
- bez zamjene

**HRN ISO 6678:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela olova – Metoda atomsko-apsorpcijske  
spektrometrije (ISO 6678:1981)  
Phosphoric acid for industrial use – Determination of lead content – Atomic absorption spectrometric  
method (ISO 6678:1981)  
- bez zamjene

**HRN ISO 6684:2001 en**

Butadien (buta-1,3-dien) za industrijsku uporabu – Određivanje 4-tert-butilpirokatehola (4-(1,1-  
dimetiletil)benzen-1,2-diola) – Spektrometrijska metoda (ISO 6684:1982)  
Butadiene for industrial use – Determination of tert-butyl-catechol (TBC) (4-(1,1-dimethyl-ethyl)-1,2  
benzenediol) – Spectrometric method (ISO 6684:1982)  
- bez zamjene

**HRN ISO 6792:2001 en**

Butadien (buta-1,3-dien) za industrijsku uporabu – Određivanje kisika i argona u plinskoj fazi iznad  
tekućeg buta-1,3-diena – Metoda plinske kromatografije (ISO 6792:1982)  
Butadiene for industrial use – Determination of oxygen and argon in the gaseous phase above liquid  
butadiene – Gas chromatographic method (ISO 6792:1982)  
- bez zamjene

**HRN ISO 6793:2001 en**

But-2-ene-1,4-diol za industrijsku uporabu – Određivanje jodnog broja (ISO 6793:1981)  
But-2-ene-1,4-diol for industrial use – Determination of iodine value (ISO 6793:1981)  
- bez zamjene

**HRN ISO 6794:2001 en**

Butan-1,4-diol za industrijsku uporabu – Određivanje stupnja nezasićenosti (ISO 6794:1981)  
Butane-1,4-diol for industrial use – Determination of degree of unsaturation (ISO 6794:1981)  
- bez zamjene

**HRN ISO 6795:2001 en**

Esteri ftalne i adipinske kiseline za industrijsku uporabu – Određivanje udjela slobodnih alkohola –  
Spektrometrijska metoda (ISO 6795:1983)  
Phtalic and adipic esters for industrial use – Determination of free alcohols content – Spectrometric  
method (ISO 6795:1983)  
- bez zamjene

**HRN ISO 7058:2001 en**

Fosforna kiselina za industrijsku uporabu – Određivanje udjela dobro topljivih sulfata – Titrimetrijska  
metoda poslije redukcije (ISO 7058:1983)  
Phosphoric acid for industrial use – Determination of higher soluble sulfate contents – Titrimetric  
method after reduction (ISO 7058:1983)  
- bez zamjene

**HRN ISO 7060:2001 en**

6-Heksanolaktam (kaprolaktam) za industrijsku uporabu – Određivanje točke kristalizacije  
(ISO 7060:1982)  
Caprolactam for industrial use – Determination of crystallizing point (ISO 7060:1982)  
- bez zamjene

**HRN ISO 7381:2001 en**

Butadien (buta-1,3-dien) za industrijsku uporabu – Određivanje oligomera (polimera niskog stupnja polimerizacije) – Matoda plinske kromatografije (ISO 7381:1986)  
Butadiene for industrial use – Determination of oligomers – Gas chromatographic method (ISO 7381:1986)  
- bez zamjene

**HRN ISO 8008:2001 en**

Aluminijev oksid koji se ponajprije upotrebljava za proizvodnju aluminija – Određivanje specifične površine adsorpcijom dušika – Metoda jedne točke (ISO 8008:1986)  
Aluminium oxide primarily used for the production of aluminium – Determination of specific surface area by nitrogen adsorption – Single-point method (ISO 8008:1986)  
- bez zamjene

**HRN ISO 8173:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje molekularnog kisika u plinskoj fazi – Elektrokemijska metoda s čelijom pokrivenom membranom (ISO 8173:1986)  
Light olefins for industrial use – Determination of molecular oxygen in gaseous phase – Electrochemical method with a membrane-covered cell (ISO 8173:1986)  
- bez zamjene

**HRN ISO 8175:2001 en**

Propilen (propen) za industrijsku uporabu – Određivanje oligomera (polimera niskog stupnja polimerizacije) – Metoda plinske kromatografije (ISO 8175:1986)  
Propylene for industrial use – Determination of oligomers – Gas chromatographic method (ISO 8175:1986)  
- bez zamjene

**HRN ISO 8176:2001 en**

Butadien (buta-1,3-dien) za industrijsku uporabu – Određivanje aktivnog 4-tert-butilpirokatehola (4-(1,1-dimetiletil)benzen-1,2-diola) – Metoda tekućinske kromatografije visokog učinka (ISO 8176:1986)  
Butadiene for industrial use – Determination of active tert-butyl-catechol (TBC) (4-(1,1-dimethylethyl)-1,2-benzenediol) – High performance liquid chromatographic method (ISO 8176:1986)  
- bez zamjene

**HRN ISO 8660:2001 en**

6-Heksanolaktam (kaprolaktam) za industrijsku uporabu – Određivanje permanganatnoga broja – Spektrometrijska metoda (ISO 8660:1988)  
Caprolactam for industrial use – Determination of permanganate index – Spectrometric method (ISO 8660:1988)  
- bez zamjene

**HRN ISO 8915:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje tragova klora – Wickboldova metoda spaljivanja (ISO 8915:1987)  
Light olefins for industrial use – Determination of traces of chlorine – Wickbold combustion method (ISO 8915:1987)  
- bez zamjene

**HRN ISO 8916:2001 en**

Etilen (eten) za industrijsku uporabu – Određivanje tragova polarnih spojeva – Priprema kondenziranih uzoraka tehnikom uklanjanja nečistoća iz plina pri niskoj temperaturi (ISO 8916:1988)  
Ethylene for industrial use – Determination of traces of polar compounds – Preparation of condensate samples by low-temperature scrubbing technique (ISO 8916:1988)  
- bez zamjene

**HRN ISO 8917:2001 en**

Laki olefini (niži alkeni) za industrijsku uporabu – Određivanje vode – Upute za uporabu procesnog analizatora (ISO 8917:1988)

Light olefins for industrial use – Determination of water – Guidelines for use of in-line analysers (ISO 8917:1988)

- bez zamjene

**HRN ISO 10143:2001 en**

Materijali koji sadrže ugljik u proizvodnji aluminija – Kalcinirani koks za elektrode – Određivanje električne otpornosti granula (ISO 10143:1995)

Carbonaceous materials for the production of aluminium – Calcined coke for electrodes – Determination of the electrical resistivity of granules (ISO 10143:1995)

- bez zamjene

**HRN ISO 12986-1:2001 en**

Materijali koji sadrže ugljik upotrijebljeni u proizvodnji aluminija – Pečene anode i katodni blokovi – 1. dio: Određivanje naprezanja na savijanje/lom metodom triju točaka (ISO 12986-1:2000)

Carbonaceous materials used in the production of aluminium – Baked anodes and cathode blocks – Part 1: Determination of bending/shear strength by a three-point method (ISO 12986-1:2000)

- bez zamjene

**HRN ISO 14237:2001 en**

Površinska kemijska analiza – Spektrometrija mase sekundarnog iona – Određivanje koncentracije atoma bora u siliciju primjenom jednoliko pripravljenih materijala (ISO 14237:2000)

Surface chemical analysis – Secondary-ion mass spectrometry – Determination of boron atomic concentration in silicon using uniformly doped materials (ISO 14237:2000)

- bez zamjene

***HNZ/TO 47/PO 2, Kemija; Laboratorijsko suđe i pripadajući uređaji*****HRN ISO 384:2001 en**

Laboratorijsko stakleno posuđe – Načela oblikovanja i konstrukcije volumetrijskog staklenog posuđa (ISO 384:1978)

Laboratory glassware – Principles of design and construction of volumetric glassware (ISO 384:1978)

- bez zamjene

**HRN ISO 385-1:2000 en**

Laboratorijsko stakleno posuđe – Birete – 1. dio: Opći zahtjevi (ISO 385-1:1984)

Laboratory glassware – Burettes – Part 1: General requirements (ISO 385-1:1984)

- bez zamjene

**HRN ISO 385-2:2001 en**

Laboratorijsko stakleno posuđe – Birete – 2. dio: Birete za koje nije određeno vrijeme čekanja (ISO 385-2:1984)

Laboratory glassware – Burettes – Part 2: Burettes for which no waiting time is specified (ISO 385-2:1984)

- bez zamjene

**HRN ISO 385-3:2001 en**

Laboratorijsko stakleno posuđe – Birete – 3. dio: Birete za koje je određeno vrijeme čekanja od 30 sekunda (ISO 385-3:1984)

Laboratory glassware – Burettes – Part 3: Burettes for which a waiting time of 30 s is specified (ISO 385-3:1984)

- bez zamjene

**HRN ISO 835-1:2000 en**

Laboratorijsko stakleno posuđe – Graduirane pipete – 1. dio: Opći zahtjevi (ISO 835-1:1981)

Laboratory glassware – Graduated pipettes – Part 1: General requirements (ISO 835-1:1981)

- bez zamjene

**HRN ISO 835-2:2001 en**

Laboratorijsko stakleno posuđe – Graduirane pipete – 2. dio: Pipete za koje nije određeno vrijeme čekanja (ISO 835-2:1981)

Laboratory glassware – Graduated pipettes – Part 2: Pipettes for which no waiting time is specified (ISO 835-2:1981)

- bez zamjene

**HRN ISO 835-3:2001 en**

Laboratorijsko stakleno posuđe – Graduirane pipete – 3. dio: Pipete za koje je određeno vrijeme čekanja od 15 sekunda (ISO 835-3:1981)

Laboratory glassware – Graduated pipettes – Part 3: Pipettes for which a waiting time of 15 s is specified (ISO 835-3:1981)

- bez zamjene

**HRN ISO 835-4:2001 en**

Laboratorijsko stakleno posuđe – Graduirane pipete – 4. dio: Pipete na ispuh (ISO 835-4:1981)

Laboratory glassware – Graduated pipettes – Part 4: Blow-out pipettes (ISO 835-4:1981)

- bez zamjene

**HRN ISO 3819:2001 en**

Laboratorijsko stakleno posuđe – Čaše (ISO 3819:1985)

Laboratory glassware – Beakers (ISO 3819:1985)

- bez zamjene

**HRN ISO 4802-1:2000 en**

Stakleno posuđe – Hidrolitička otpornost unutarnjih površina staklenih posuda – 1. dio: Određivanje metodom titracije i klasifikacija (ISO 4802-1:1988)

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 1: Determination by titration method and classification (ISO 4802-1:1988)

- bez zamjene

**HRN ISO 4802-2:2000 en**

Stakleno posuđe – Hidrolitička otpornost unutarnjih površina staklenih posuda – 2. dio: Određivanje plamenom spektrometrijom i klasifikacija (ISO 4802-2:1988)

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 2: Determination by flame spectrometry and classification (ISO 4802-2:1988)

- bez zamjene

**HZN/TO 54, Eterična ulja****HRN ISO/TR 210:2004 en**

Eterična ulja – Opća pravila pakiranja, kondicioniranja i čuvanja (ISO/TR 210:1999)

Essential oils – General rules for packaging, conditioning and storage (ISO/TR 210:1999)

- bez zamjene

**HRN ISO/TR 211:2004 en**

Eterična ulja – Opća pravila deklariranja i označavanja spremnika (ISO/TR 211:1999)

Essential oils – General rules for labelling and marking of containers (ISO/TR 211:1999)

- bez zamjene

**HRN ISO 3043:2005 en**

Uљe ploda pimenta (ISO 3043:1975)

Oil of pimento berry (ISO 3043:1975)

- bez zamjene

**HRN ISO 3063:2005 en**

Uљe ilang ilanga (Cananga odorata (Lamark) J. D. Hooker and Thomson) (ISO 3063:1983)

Oil of ylang-ylang (Cananga odorata (Lamark) J. D. Hooker and Thomson) (ISO 3063:1983)

- bez zamjene

**HRN ISO 3064:2005 en**

Ulje petitgraina, paragvajski tip (Citrus aurantium L. ssp. Aurantium, syn. Citrus aurantium L. ssp. Amara var. pumilia) (ISO 3064:2000)  
Oil of petitgrain, Paraguayan type (Citrus aurantium L. ssp. Aurantium, syn. Citrus aurantium L. ssp. Amara var. pumilia) (ISO 3064:2000)  
- bez zamjene

**HRN ISO 3527:2005 en**

Ulje ploda peršina (Petroselinum sativum Hoffm.) (ISO 3527:2000)  
Oil of parsley fruits (Petroselinum sativum Hoffm.) (ISO 3527:2000)  
- bez zamjene

**HRN ISO 3714:2005 en**

Ulje močvarne metvice (ISO 3714:1980)  
Oil of pennyroyal (ISO 3714:1980)  
- bez zamjene

**HRN ISO 3793:2004 en**

Eterična ulja – Procjena udjela primarnih i sekundarnih slobodnih alkohola acetiliranjem u piridinu (ISO 3793:1976)  
Essential oils – Estimation of primary and secondary free alcohols content by acetylation in pyridine (ISO 3793:1976)  
- bez zamjene

**HRN ISO 5991:2004 en**

Eterična ulja – Određivanje ostatka nakon destilacije pod sniženim tlakom (ISO 5991:1979)  
Essential oils – Determination of residue from distillation under reduced pressure (ISO 5991:1979)  
- bez zamjene

**HRN ISO 7611:2004 en**

Ulja od limuna, limunovog lista i limete dobivena mehaničkim postupkom – Određivanje udjela citrala (neral + geranal) – Metoda plinske kromatografije na kapilarnim kolonama (ISO 7611:1985)  
Oils of lemon and petitgrain citronnier, and oil of lime obtained by a mechanical process –  
Determination of citral (neral + geranal) content – Gas chromatographic method on capillary columns (ISO 7611:1985)  
- zamijenjena s: HRN ISO 855:2005, HRN ISO 8899:2005, HRN ISO 3519:2007

**HRN ISO 8896:2005 en**

Ulje kima (Carum carvi Linnaeus) (ISO 8896:1987)  
Oil of caraway (Carum carvi Linnaeus) (ISO 8896:1987)  
- bez zamjene

**HRN ISO 11025:2005 en**

Ulje kasije, kineski tip – Određivanje sadržaja trans-cimetaldehida – Metode plinske kromatografije na kapilarnim kolonama (ISO 11025:1998)  
Oil od cassia, Chinese type – Determination of trans-cinnamaldehyde content – Gas chromatographic method on capillary columns (ISO 11025:1998)  
- bez zamjene

***HNZ/TO 116, Uredaji i oprema za izmjenu topline*****HRN EN 14037-1:2004 en**

Stropno ugradive zračeće grijajuće ploče punjene vodom temperature niže od 120 °C – 1. dio: Tehničke značajke i zahtjevi (EN 14037-1:2003)  
Ceiling mounted radiant panels supplied with water at temperature below 120 °C – Part 1: Technical specifications and requirements (EN 14037-1:2003)  
- zamijenjena s: HRN EN 14037-1:2016

**HRN EN 14037-2:2004 en**

Stropno ugradive zračeće grijajuće ploče punjene vodom temperature niže od 120 °C – 2. dio: Metode ispitivanja toplinskog učinka (EN 14037-2:2003)

Ceiling mounted radiant panels supplied with water at temperature below 120 °C – Part 2: Test method for thermal output (EN 14037-2:2003)

- zamijenjena s: HRN EN 14037-2:2016

**HRN EN 14037-3:2004 en**

Stropno ugradive zračeće grijajuće ploče punjene vodom temperature niže od 120 °C – 3. dio: Metode ocjene i utvrđivanja toplinskog učinka zračenjem (EN 14037-3:2003)

Ceiling mounted radiant panels supplied with water at temperature below 120 °C – Part 3: Rating method and evaluation of radiant thermal output (EN 14037-3:2003)

- zamijenjena s: HRN EN 14037-3:2016

***HNZ/TO 121, Anestetička i respiracijska oprema*****HRN EN ISO 5361:2012 en**

Anestetička i respiracijska oprema – Trahealne cijevi i priključci (ISO 5361:2012; EN ISO 5361:2012+AC:2012)

Anaesthetic and respiratory equipment – Tracheal tubes and connectors (ISO 5361:2012; EN ISO 5361:2012+AC:2012)

- zamijenjena s: HRN EN ISO 5361:2016

**HRN EN ISO 5364:2011 en**

Anestetička i respiracijska oprema – Osigurači zračnog puta za usta i ždrijelo (ISO 5364:2008; EN ISO 5364:2011)

Anaesthetic and respiratory equipment – Oropharyngeal airways (ISO 5364:2008; EN ISO 5364:2011)

- zamijenjena s: HRN EN ISO 5364:2016

***HNZ/TO 126, Duhan i duhanski proizvodi*****HRN ISO 6565:2014 en**

Duhan i duhanski proizvodi – Otpor uvlačenju cigareta i pad tlaka filter štapića – Normirani uvjeti i mjerjenje (ISO 6565:2011)

Tobacco and tobacco products – Draw resistance of cigarettes and pressure drop of filter rods – Standard conditions and measurement (ISO 6565:2011)

- bez zamjene

**HRN ISO 8043:1998 en**

Orientalni duhan u listu – Određivanje oblika i veličine (ISO 8043:1990)

Oriental leaf tobacco – Determination of form and size characteristics (ISO 8043:1990)

- bez zamjene

**HRN ISO 10185:2010 en,fr**

Duhan i duhanski proizvodi – Rječnik (ISO 10185:2004)

Tobacco and tobacco products – Vocabulary (ISO 10185:2004)

- bez zamjene

**HRN ISO 10919:1998 en**

Orientalni duhan u listu – Baliranje (ISO 10919:1994)

Oriental leaf tobacco – Baling (ISO 10919:1994)

- bez zamjene

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

### **HRN ISO 9965:2001 en**

Kakvoća vode – Određivanje selenija – Metoda atomske apsorpcijske spektrometrije (hidridna tehnika) (ISO 9965:1993)

Water quality – Determination of selenium – Atomic absorption spectrometric method (hydride technique) (ISO 9965:1993)

- zamijenjena s: HRS ISO/TS 17379-2:2016

## **HZN/TO 147/PO 6, Kvaliteta vode; Uzorkovanje (opće metode)**

### **HRN ISO 5667-6:2011 en**

Kvaliteta vode – Uzorkovanje – 6. dio: Upute za uzorkovanje vode rijeka i potoka (ISO 5667-6:2005)

Water quality – Sampling – Part 6: Guidance on sampling of rivers and streams (ISO 5667-6:2005)

- zamijenjena s: HRN EN ISO 5667-6:2016

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

### **HRN EN ISO 6385:2008 en**

Ergonomski načela u dizajniranju radnih sustava (ISO 6385:2004; EN ISO 6385:2004)

Ergonomic principles in the design of work systems (ISO 6385:2004; EN ISO 6385:2004)

- zamijenjena s: HRN EN ISO 6385:2016

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

### **HRN EN ISO 12572:2002 en**

Značajke građevnih materijala i proizvoda s obzirom na toplinu i vlagu – Određivanje svojstava propusnosti vodene pare (ISO 12572:2001; EN ISO 12572:2001)

Hygrothermal performance of building materials and products – Determination of water vapour transmission properties (ISO 12572:2001; EN ISO 12572:2001)

- zamijenjena s: HRN EN ISO 12572:2016

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

### **HRN EN 384:2010 en**

Drvene konstrukcije – Određivanje karakterističnih vrijednosti mehaničkih svojstava i gustoće (EN 384:2010)

Structural timber – Determination of characteristic values of mechanical properties and density (EN 384:2010)

- zamijenjena s: HRN EN 384:2016

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

### **HRN EN ISO 14880-1:2008 en**

Poredak mikroleća – 1. dio: Terminološki rječnik (ISO 14880-1:2001+Cor 1:2004; EN ISO 14880-1:2005)

Microlens array – Part 1: Vocabulary (ISO 14880-1:2001+Cor 1:2004; EN ISO 14880-1:2005)

- zamijenjena s: HRN EN ISO 14880-1:2016

### **HRN EN ISO 14880-1:2008/Ispr.1:2008 en**

Optics and photonics – Microlens arrays – Part 1: Vocabulary

(ISO 14880-1:2001/Cor 1:2003/Cor 2:2005; EN ISO 14880-1:2005/AC:2008)

- zamijenjena s: HRN EN ISO 14880-1:2016

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

### **HRN EN 12602:2013 en**

Predgotovljeni armirani elementi od porastoga betona (EN 12602:2008+A1:2013)

Prefabricated reinforced components of autoclaved aerated concrete (EN 12602:2008+A1:2013)

- zamijenjena s: HRN EN 12602:2016

## **HNZ/TO 218, Drvo**

### **HRN EN 350-1:2005 en**

Trajinost drva i proizvoda iz drva – Prirodna trajnost masivnog drva – 1. dio: Upute o temeljnim načelima ispitivanja i razredbe prirodne trajnosti drva (EN 350-1:1994)

Durability of wood and wood based products – Natural durability of solid wood – Part 1: Guide to the principles of testing and classification of the natural durability of wood (EN 350-1:1994)

- zamijenjena s: HRN EN 350:2016

### **HRN EN 350-2:2005 en**

Trajinost drva i proizvoda na osnovi drva – Prirodna trajnost masivnog drva – 2. dio: Upute za određivanje prirodne trajnosti i sposobnosti tretiranja određenih vrsta drva značajnih za Europu (EN 350-2:1994)

Durability of wood and wood based products – Natural durability of solid wood – Part 2: Guide to natural durability and treatability of selected wood species of importance in Europe (EN 350-2:1994)

- zamijenjena s: HRN EN 350:2016

### **HRN EN 599-2:2008 en**

Trajinost drva i proizvoda na osnovi drva – Učinkovitost preventivnih sredstava za zaštitu drva određena biološkim ispitivanjima – 2. dio: Klasifikacija i označivanje (EN 599-2:1995)

Durability of wood and wood-based products – Performance of preventive wood preservatives as determined by biological tests – Part 2: Classification and labelling (EN 599-2:1995)

- zamijenjena s: HRN EN 599-2:2016

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

### **HRN EN 1815:2004 en**

Elastične podne obloge – Ocjena sklonosti prema statičkom elektricitetu (EN 1815:1997)

Resilient and textile floor coverings – Assessment of static electrical propensity (EN 1815:1997)

- zamijenjena s: HRN EN 1815:2016

## **HNZ/TO 238, Čvrsta biogoriva**

### **HRN EN 15150:2012 en**

Čvrsta biogoriva – Određivanje gustoće čestica (EN 15150:2011)

Solid biofuels – Determination of particle density (EN 15150:2011)

- zamijenjena s: HRN EN ISO 18847:2016

### **HRN EN ISO 16993:2015 en**

Čvrsta biogoriva – Preračun iskaza rezultata analiza (ISO 16993:2015; EN ISO 16993:2015)

Solid biofuels – Conversion of analytical results from one basis to another (ISO 16993:2015; EN ISO 16993:2015)

- zamijenjena s: HRN EN ISO 16993:2016

### **HRN EN ISO 16994:2015 en**

Čvrsta biogoriva – Utvrđivanje ukupnog udjela sumpora i klora (ISO 16994:2015; EN ISO 16994:2015)

Solid biofuels – Determination of total content of sulfur and chlorine (ISO 16994:2015; EN ISO 16994:2015)

- zamijenjena s: HRN EN ISO 16994:2016

## **HN/T0 503, Metalni materijali**

### **HRN EN ISO 6508-1:2015 en**

Metalni materijali – Ispitivanje tvrdoće prema Rockwellu – 1. dio: Metoda ispitivanja (ISO 6508-1:2015; EN ISO 6508-1:2015)

Metallic materials – Rockwell hardness test – Part 1: Test method (ISO 6508-1:2015; EN ISO 6508-1:2015)

- zamijenjena s: HRN EN ISO 6508-1:2016

## **HN/T0 506, Materijali, oprema i konstrukcije za naftnu industriju, prirodni plin i geotermalnu vodu**

### **HRN EN ISO 6976:2008 en**

Prirodni plin – Izračunavanje toplinskih vrijednosti, gustoće, relativne gustoće i Wobbeove značajke iz sastava (ISO 6976:1995+Cor 2:1997+Cor 3:1999; EN ISO 6976:2005)

Natural gas – Calculation of calorific values, density, relative density and Wobbe index from composition (ISO 6976:1995+Cor 2:1997+Cor 3:1999; EN ISO 6976:2005)

- zamijenjena s: HRN EN ISO 6976:2016

## **HN/T0 508, Ambalaža i pakiranje**

### **HRN EN ISO 13355:2005 en**

Ambalaža – Cjelovita ispunjena transportna pakovina i jedinični tereti – Vertikalno nasumično vibracijsko ispitivanje (ISO 13355:2001; EN ISO 13355:2003)

Packaging – Complete, filled transport packages and unit loads – Vertical random vibration test (ISO 13355:2001; EN ISO 13355:2003)

- zamijenjena s: HRN EN ISO 13355:2016

## **HN/T0 509, Cestovna oprema**

### **HRI CEN/TR 1317-6:2012 en**

Zaštitni cestovni sustavi – 6. dio: Pješački cestovni sustavi – Pješački parapeti (CEN/TR 1317-6:2012)

Road restraint systems – Part 6: Pedestrian restraint system – Pedestrian parapets

(CEN/TR 1317-6:2012)

- zamijenjena s: HRI CEN/TR 16949:2016

## **HN/T0 511, Eksplozivi za civilnu uporabu**

### **HRN EN 268:2001 en**

Barutno punjenje za civilno streljivo – Zahtjevi i metode ispitivanja (EN 268:1991)

Propellants for commercial ammunition – Requirements and test methods (EN 268:1991)

- zamijenjena s: HRN EN 13938-1:2007

## **HN/T0 513, Mjerne jedinice i mjerila**

### **HRN ISO 3310-1:2008 en**

Ispitna sita – Tehnički zahtjevi i ispitivanja – 1. dio: Ispitna sita izrađena od metalne žičane mreže (ISO 3310-1:2000+Cor 1:2004)

Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth (ISO 3310-1:2000+Cor 1:2004)

- zamijenjena s: HRN ISO 3310-1:2016

### **HRN ISO 9044:2008 en**

Industrijska sita izrađena od pletene žičane mreže – Zahtjevi i testovi (ISO 9044:1999)

Industrial woven wire cloth – Requirements and tests (ISO 9044:1999)

- zamijenjena s: HRN ISO 9044:2016

**HRS ISO/TS 24155:2008 en**

Hidrometrija – Sustav za prijenos hidrometrijskih podataka – Specifikacija zahtjeva za sustav  
(ISO/TS 24155:2007)

Hydrometry – Hydrometric data transmission systems – Specification of system requirements  
(ISO/TS 24155:2007)

- zamijenjena s: HRN ISO 24155:2016

**HNZ/TO 519, Adhezivi****HRN EN 1391:2003 en**

Adhezivi za kožu i materijale za obuću – Metoda za procjenu sposobnosti spajanja materijala –  
Minimalni zahtjevi i klasifikacija materijala (EN 1391:1998)

Adhesives for leather and footwear materials – A method for evaluating the bondability of materials –  
Minimum requirements and material classification (EN 1391:1998)

- bez zamjene

**HRN EN 1967:2008 en**

Strukturalni (konstrukcijski) adhezivi – Vrednovanje uspješnosti tehnika površinskog tretmana za  
aluminij uz primjenu mokrog testa odvajanja primjenom metode plutajućeg valjka (floating roller)  
(EN 1967:2002+AC:2005)

Structural adhesives – Evaluation of the effectiveness of surface treatment techniques for aluminium  
using a wet peel test in association with the floating roller method (EN 1967:2002+AC:2005)

- bez zamjene

**HRN EN ISO 10964:2008 en**

Adhezivi – Određivanja čvrstoće obrtanja anaerobnih adheziva na provučenim pričvršćivačima  
(ISO 10964:1993; EN ISO 10964:1997)

Adhesives – Determination of torque strength of anaerobic adhesives on threaded fasteners  
(ISO 10964:1993; EN ISO 10964:1997)

- zamijenjena s: HRN EN 15865:2009

**HRI CEN/TR 14548:2008 en**

Adhezivi – Vodič kroz metode ispitivanja i ostale norme općih zahtjeva, karakterizacije i sigurnosti  
adheziva za konstrukcije (CEN/TR 14548:2003)

Adhesives – Guide to test methods and other standards for the general requirements, characterization  
and safety of structural adhesives (CEN/TR 14548:2003)

- bez zamjene

**HRN EN 26922:2008 en**

Adhezivi – Određivanje vlačne čvrstoće čeonih spojeva (ISO 6922:1987; EN 26922:1993)

Adhesives – Determination of tensile strength of butt joints (ISO 6922:1987; EN 26922:1993)

- zamijenjena s: HRN EN 15870:2009

**HNZ/TO 522, Karakterizacija i zbrinjavanje otpada****HRN EN 15308:2008 en**

Karakterizacija otpada – Određivanje izabranih polikloriranih bifenila u krutom otpadu upotrebom  
kapilarne plinske kromatografije s detektorom zahvata elektrona ili masene spektrometrijske detekcije  
(EN 15308:2008)

Characterization of waste – Determination of selected polychlorinated biphenyls (PCB) in solid waste  
by using capillary gas chromatography with electron capture or mass spectrometric detection  
(EN 15308:2008)

- zamijenjena s: HRN EN 15308:2016

## **HN/T0 524, Inteligentni transportni sustavi**

### **HRN EN 12896:2008 en**

Cestovni prijevoz i prometna telematika – Javni prijevoz – Referentni model podataka (EN 12896:2006)

Road transport and traffic telematics – Public transport – Reference data model (EN 12896:2006)

- zamijenjena s: HRN EN 12896-1:2016, HRN EN 12896-2:2016, HRN EN 12896-3:2016, HRI CEN/TR 12896-9:2016

## **HN/T0 528, Oprema za željeznice**

### **HRN EN 13129-1:2008 en**

Željeznički sustav – Klimatizacija željezničkih vozila za regionalni promet – 1. dio: Parametri udobnosti (EN 13129-1:2002)

Railway applications – Air conditioning for main line rolling stock – Part 1: Comfort parameters (EN 13129-1:2002)

- zamijenjena s: HRN EN 13129:2016

### **HRN EN 13129-2:2008 en**

Željeznički sustav – Klimatizacija željezničkih vozila za regionalni promet – 2. dio: Tipna ispitivanja (EN 13129-2:2004)

Railway applications – Air conditioning for main line rolling stock – Part 2: Type tests (EN 13129-2:2004)

- zamijenjena s: HRN EN 13129:2016

### **HRN EN 15220-1:2011 en**

Željeznički sustav – Pokazivači kočnice – 1. dio: Pneumatski upravljeni pokazivači kočnice (EN 15220-1:2008+A1:2011)

Railway applications – Brake indicators – Part 1: Pneumatically operated brake indicators (EN 15220-1:2008+A1:2011)

- zamijenjena s: HRN EN 15220:2016

### **HRN EN 15566:2011 en**

Željeznički sustav – Željeznička vozila – Vučni uređaj i vijčano kvačilo (EN 15566:2009+A1:2010)

Railway applications – Railway rolling stock – Draw gear and screw coupling

(EN 15566:2009+A1:2010)

- zamijenjena s: HRN EN 15566:2016

## **HN/T0 529, Granici, dizalice i prenosila neprekidne dobave**

### **HRN EN 280:2013 en**

Pokretne podizne radne platforme – Projektni proračuni – Kriteriji stabilnosti – Konstrukcija – Sigurnost – Ispitivanja i pokusi (EN 280:2013)

Mobile elevating work platforms – Design calculations – Stability criteria – Construction – Safety – Examinations and tests (EN 280:2013)

- zamijenjena s: HRN EN 280:2015

## **HN/T0 531, Plastika i guma**

### **HRN EN 1765:2008 en**

Gumeni crijevni uređaji za usisavanje i istovar ulja – Specifikacija za uređaje (EN 1765:2004)

Rubber hose assemblies for oil suction and discharge services – Specification for the assemblies (EN 1765:2004)

- zamijenjena s: HRN EN 1765:2016

**HRN EN 14423:2013 en**

Sklopovi spojki steznog tipa za upotrebu s crijevima za paru za tlakove do 18 bara (EN 14423:2013)  
Clamp type coupling assemblies for use with steam hoses rated for pressures up to 18 bar  
(EN 14423:2013)

- zamijenjena s: HRN EN 14423:2016

**HNZ/TO 536, Vrata, prozori i staklo u graditeljstvu****HRN EN 13241-1:2011 en**

Industrijska, komercijalna, garažna i ostala ulazna vrata – Norma za proizvod – 1. dio: Proizvodi bez otpornosti na vatru ili svojstva kontrole dima (EN 13241-1:2003+A1:2011)  
Industrial, commercial and garage doors and gates – Product standard – Part 1: Products without fire resistance or smoke control characteristics (EN 13241-1:2003+A1:2011)

- zamijenjena s: HRN EN 13241:2016

**HRN EN 14351-1:2010 en**

Prozori i vrata – Norma za proizvod, izvedbene značajke – 1. dio: Prozori i vanjska pješačka vrata bez otpornosti na požar i/ili propuštanje dima (EN 14351-1:2006+A1:2010)  
Windows and doors – Product standard, performance characteristics – Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics  
(EN 14351-1:2006+A1:2010)

- zamijenjena s: HRN EN 14351-1:2016

**HNZ/TO 537, Tehnički crteži, dimenzijske i geometrijske specifikacije, opis proizvoda i odgovarajuća dokumentacija****HRN EN ISO 1:2007 en**

Geometrijske specifikacije proizvoda (GSP) – Standardna referentna temperatura za geometrijsku specifikaciju proizvoda i verifikaciju (ISO 1:2002; EN ISO 1:2002)  
Geometrical Product Specifications (GPS) – Standard reference temperature for geometrical product specification and verification (ISO 1:2002; EN ISO 1:2002)

- zamijenjena s: HRN EN ISO 1:2016

**HRN EN ISO 14405-1:2011 en**

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

- zamijenjena s: HRN EN ISO 14405-1:2016

**HNZ/TO 548, Konstrukcijski eurokodovi****HRN EN 1991-1-3:2012/NA:2012 hr-en**

Eurokod 1: Djelovanja na konstrukcije – Dio 1-3: Opća djelovanja – Opterećenja snijegom – Nacionalni dodatak  
Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads – National Annex

- zamijenjena s: HRN EN 1991-1-3:2012/NA:2016

**HNZ/TO 554, Obrada otpadnih voda****HRN EN 12566-1:2002 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 1. dio: Tvornički izrađene septičke jame (EN 12566-1:2000)  
Small wastewater treatment systems for up to 50 PT – Part 1: Prefabricated septic tanks (EN 12566-1:2000)

- zamijenjena s: HRN EN 12566-1:2016

**HRN EN 12566-1:2002/A1:2008 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 1. dio: Tvornički izrađene septičke jame (EN 12566-1:2000/A1:2003)

Small wastewater treatment systems for up to 50 PT – Part 1: Prefabricated septic tanks (EN 12566-1:2000/A1:2003)

- zamijenjena s: HRN EN 12566-1:2016

**HRN EN 12566-3:2013 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 3. dio: Tvornički izrađen i/ili na objektu sastavljen uređaj za obradu sanitarnih otpadnih voda (EN 12566-3:2005+A2:2013)

Small wastewater treatment systems for up to 50 PT – Part 3: Packaged and/or site assembled domestic wastewater treatment plants (EN 12566-3:2005+A2:2013)

- zamijenjena s: HRN EN 12566-3:2016

**HRN EN 12566-4:2008 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 4. dio: Septički spremnici iz predgotovljenih elemenata sklopivi in situ (EN 12566-4:2007)

Small wastewater treatment systems for up to 50 PT – Part 4: Septic tanks assembled in situ from prefabricated kits (EN 12566-4:2007)

- zamijenjena s: HRN EN 12566-4:2016

**HRN EN 12566-6:2013 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 6. dio: Predgotovljene jedinice za obradu efluentna septičke jame (EN 12566-6:2013)

Small wastewater treatment systems for up to 50 PT – Part 6: Prefabricated treatment units for septic tank effluent (EN 12566-6:2013)

- zamijenjena s: HRN EN 12566-6:2016

**HRN EN 12566-7:2013 en**

Mali uređaji za obradu otpadnih voda, za opterećenje do 50 ES – 7. dio: Predgotovljene jedinice za tercijalnu obradu (EN 12566-7:2013)

Small wastewater treatment systems for up to 50 PT – Part 7: Prefabricated tertiary treatment units (EN 12566-7:2013)

- zamijenjena s: HRN EN 12566-7:2016

**HZN/TO 560, *Tekstilni proizvodi*****HRN EN ISO 2286-1:2008 en**

Plošne tekstilije naslojene gumom ili plastikom – Određivanje svojstava namotka – 1. dio: Metode određivanja dužine, širine i mase (ISO 2286-1:1998; EN ISO 2286-1:1998)

Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 1: Methods for determination of length, width and net mass (ISO 2286-1:1998; EN ISO 2286-1:1998)

- zamijenjena s: HRN EN ISO 2286-1:2016

**HRN EN ISO 2286-2:2008 en**

Plošne tekstilije naslojene gumom ili plastikom – Određivanje svojstava namotka – 2. dio: Metode određivanja ukupne površinske mase, površinske mase nasloja i površinske mase podlage (ISO 2286-2:1998; EN ISO 2286-2:1998)

Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate (ISO 2286-2:1998; EN ISO 2286-2:1998)

- zamijenjena s: HRN EN ISO 2286-2:2016

**HRN EN ISO 2286-3:2008 en**

Plošne tekstilije naslojene gumom ili plastikom – Određivanje svojstava namotka – 3. dio: Metoda određivanja debljine (ISO 2286-3:1998; EN ISO 2286-3:1998)

Rubber- or plastics-coated fabrics – Determination of roll characteristics – Part 3: Method for determination of thickness (ISO 2286-3:1998; EN ISO 2286-3:1998)

- zamijenjena s: HRN EN ISO 2286-3:2016

## **HN/T 561, Kotlovi, posude pod tlakom, cjevovodi i plinske boce**

### **HRN EN 764-1:2015 en**

Tlačna oprema – 1. dio: Terminološki rječnik (HRN EN 764-1:2015)  
Pressure equipment – Part 1: Vocabulary (HRN EN 764-1:2015)  
- zamijenjena s: HRN EN 764-1:2016

### **HRI CEN/TR 13445-9:2008 en**

Neložene posude pod tlakom – 9. dio: Sukladnost norma niza EN 13445 s ISO 16558  
(CEN/TR 13445-9:2007)  
Unfired pressure vessels – Part 9: Conformance of the EN 13445 series to ISO 16528  
(CEN/TR 13445-9:2007)  
- zamijenjena s: HRI CEN/TR 13445-9:2016

## **HN/T 564, Uljarice, biljna i životinjska ulja i masti**

### **HRN EN ISO 5511:2004 en**

Uljarice – Određivanje količine ulja – Spektrometrijska metoda uporabom kontinuirane valne nisko rezolucijske nuklearno magnetske rezonancije (Brza metoda) (ISO 5511:1992+Cor 1:1997;  
EN ISO 5511:1996+AC:1997)  
Oilseeds – Determination of oil content – Method using continuous-wave low-resolution nuclear magnetic resonance spectrometry (Rapid method) (ISO 5511:1992+Cor 1:1997;  
EN ISO 5511:1996+AC:1997)  
- bez zamjene

### **HRN ISO 6464:1998 en**

Životinjske i biljne masti ulja – Određivanje količine galata – Spektrometrijska metoda mjerena molekularne apsorpcije (ISO 6464:1983)  
Animal and vegetable fats and oils – Determination of gallates content – Molecular absorption spectrometric method (ISO 6464:1983)  
- bez zamjene

### **HRN EN ISO 12228:2004 en**

Životinjske i biljne masti i ulja – Određivanje količine pojedinačnih i ukupnih sterola – Metoda plinske kromatografije (ISO 12228:1999; EN ISO 12228:1999)  
Animal and vegetable fats and oils – Determination of individual and total sterols contents – Gas chromatographic method (ISO 12228:1999; EN ISO 12228:1999)  
- zamijenjena s: HRN EN ISO 12228-1:2014, HRN EN ISO 12228-2:2014

### **HRN EN ISO 12966-3:2010 en**

Životinjske i biljne masti i ulja – Određivanje metilnih estera masnih kiselina plinskom kromatografijom – 3. dio: Priprava metilnih estera uporabom trimetilsulfono hidroksida (TMSH) (ISO 12966-3:2009;  
EN ISO 12966-3:2009)  
Animal and vegetable fats and oils – Gas chromatography of fatty acid methyl esters – Part 3:  
Preparation of methyl esters using trimethylsulfonium hydroxide (TMSH) (ISO 12966-3:2009;  
EN ISO 12966-3:2009)  
- zamijenjena s: HRN EN ISO 12966-3:2016

### **HRN EN 14112:2005 en**

Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje oksidativne stabilnosti (ubrzani test oksidacije) (EN 14112:2003)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of oxidation stability (accelerated oxidation test) (EN 14112:2003)  
- zamijenjena s: HRN EN 14112:2016

**HRS ISO/TS 21033:2012 en**

Životinjske i biljne masti i ulja – Određivanje elemenata u tragovima pomoću induktivno spregnute plazme optičkom emisijskom spektrometrijom (ICP-OES) (ISO/TS 21033:2011)  
Animal and vegetable fats and oils – Determination of trace elements by inductively coupled plasma optical emission spectroscopy (ICP-OES) (ISO/TS 21033:2011)  
- bez zamjene

**HN/T 566, *Mlijeko i mliječni proizvodi*****HRN ISO 1546:1999 en**

Postupak za određivanje mliječnosti krava (ISO 1546:1981)  
Procedure for milk recording for cows (ISO 1546:1981)  
- bez zamjene

**HRN ISO 3594:1999 en**

Mliječna mast – Otkrivanje biljne masti plinsko-tekućom kromatografijom sterola (Referentna metoda) (ISO 3594:1976)  
Milk fat – Detection of vegetable fat by gas-liquid chromatography of sterols (Reference method) (ISO 3594:1976)  
- bez zamjene

**HRN ISO 5542:1999 en**

Mlijeko – Određivanje količine proteina – Metoda vezanja amido crne boje (Rutinska metoda) (ISO 5542:1984)  
Milk – Determination of protein content – Amido black dye-binding method (Routine method) (ISO 5542:1984)  
- bez zamjene

**HRN ISO 5549:1999 en**

Kazeini i kazeinati – Određivanje količine proteina (Referentna metoda) (ISO 5549:1978)  
Caseins and caseinates – Determination of protein content (Reference method) (ISO 5549:1978)  
- zamjenjena s: HRN EN ISO 8968-1:2014

**HRS ISO/TS 6090:2010 en**

Mlijeko i mlijeko u prahu, mlaćenica i mlaćenica u prahu, sirutka i sirutka u prahu – Određivanje aktivnosti fosfataze (ISO/TS 6090:2004)  
Milk and dried milk, buttermilk and buttermilk powder, whey and whey powder – Detection of phosphatase activity (ISO/TS 6090:2004)  
- bez zamjene

**HRN ISO 6731:1999 en**

Mlijeko, vrhnje i evaporirano mlijeko – Određivanje ukupne količine krutina (Referentna metoda) (ISO 6731:1989)  
Milk, cream and evaporated milk – Determination of total solids content (Reference method) (ISO 6731:1989)  
- bez zamjene

**HRN ISO 6734:1999 en**

Zaslđeno kondenzirano mlijeko – Određivanje ukupne količine krutina (Referentna metoda) (ISO 6734:1989)  
Sweetened condensed milk – Determination of total solids content (Reference method) (ISO 6734:1989)  
- bez zamjene

**HRN ISO 6735:1999 en**

Mlijeko u prahu – Procjena termičkog razreda – Referentna metoda termičkog broja (ISO 6735:1985)  
Dried milk – Assessment of heat class – Heat-number reference method (ISO 6735:1985)  
- bez zamjene

**HRN ISO 7586:1999 en**

Maslac – Određivanje vrijednosti disperzije vode (ISO 7586:1985)

Butter – Determination of water dispersion value (ISO 7586:1985)

- bez zamjene

**HRN ISO 8197:1999 en**

Mlijeko i mlječni proizvodi – Uzorkovanje – Ispitivanje po varijablama (ISO 8197:1988)

Milk and milk products – Sampling – Inspection by variables (ISO 8197:1988)

- bez zamjene

**HRN ISO 9622:2001 en**

Punomasno mlijeko – Određivanje udjela mlječne masti, bjelančevina i laktaze – Uputstva za rad

MID-infrared instrumentima (ISO 9622:1999)

Whole milk – Determination of milkfat, protein and lactose content – Guidance on the operation of mid-infrared instruments (ISO 9622:1999)

- bez zamjene

**HRN EN ISO 11816-2:2007 en**

Mlijeko i mlječni proizvodi – Određivanje aktivnosti alkalne fosfataze – 2. dio: Fluorometrijska metoda za sir (ISO 11816-2:2003; EN ISO 11816-2:2003)

Milk and milk products – Determination of alkaline phosphatase activity – Part 2: Fluorometric method for cheese (ISO 11816-2:2003; EN ISO 11816-2:2003)

- zamjenjena s: HRN EN ISO 11816-2:2016

**HRN ISO 11869:1999 en**

Jogurt – Određivanje kiselosti titriranjem – Potenciometrijska metoda (ISO 11869:1997)

Yogurt – Determination of titratable acidity – Potentiometric method (ISO 11869:1997)

- bez zamjene

**HRN ISO 15174:2003 en**

Mlijeko i mlječni proizvodi – Mikrobični koagulanti – Određivanje ukupne aktivnosti zgrušavanja mlijeka (ISO 15174:2002)

Milk and milk products – Microbial coagulants – Determination of total milk-clotting activity (ISO 15174:2002)

- bez zamjene

**HRS ISO/TS 17837:2009 en**

Proizvodi od topljenog sira – Određivanje udjela dušika i izračun proteina – Kjeldahlova metoda (ISO/TS 17837:2008)

Processed cheese products – Determination of nitrogen content and crude protein calculation – Kjeldahl method (ISO/TS 17837:2008)

- zamjenjena s: HRN EN ISO 8968-1:2014

**HN/T 567, Meso, proizvodi ribarstva i akvakultura****HRN ISO 3973:1999 en,fr**

Žive životinje za klanje – Rječnik – Goveda (ISO 3973:1996)

Living animals for slaughter – Vocabulary – Bovines (ISO 3973:1996)

- bez zamjene

**HRN ISO 4133:1999 en**

Meso i mesni proizvodi – Određivanje količine glukono-delta-laktona (Referentna metoda) (ISO 4133:1979)

Meat and meat products – Determination of glucono-delta-lactone content (Reference method) (ISO 4133:1979)

- bez zamjene

**HRN ISO 5552:1999 en**

Meso i mesni proizvodi – Dokazivanje prisutnosti i brojenje Enterobacteriaceae bez oživljavanja –

MPN tehnika i tehnika brojenja kolonija (ISO 5552:1997)

Meat and meat products – Detection and enumeration of Enterobacteriaceae without resuscitation –

MPN technique and colony-count technique (ISO 5552:1997)

- bez zamjene

**HRN ISO 6391:2002 en**

Meso i mesni proizvodi – Brojenje Escherichia coli – Brojenje kolonija pri 44 °C uporabom membrana (ISO 6391:1997)

Meat and meat products – Enumeration of Escherichia coli – Colony-count technique at 44 degrees C using membranes (ISO 6391:1997)

- bez zamjene

**HN/T/TO 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hrana****HRN EN 1784:1998 en**

Namirnice – Dokazivanje ozračenosti namirnica koje sadrže mast – Analiza ugljikovodika metodom plinske kromatografije (EN 1784:1996)

Foodstuffs – Detection of irradiated food containing fat – Gas chromatographic analysis of hydrocarbons (EN 1784:1996)

- zamijenjena s: HRN EN 1784:2005

**HRN EN 1785:1998 en**

Namirnice – Dokazivanje ozračenosti namirnica koje sadrže mast – Analiza 2-alkilciklobutanona metodom plinske kromatografije/spektrometrijom mase (EN 1785:1996)

Foodstuffs – Detection of irradiated food containing fat – Gas chromatographic/Mass spectrometric analysis of 2-alkylcyclobutanones (EN 1785:1996)

- zamijenjena s: HRN EN 1785:2005

**HRN EN 12955:2000 en**

Određivanje aflatoksina B1 i zbira aflatoksina B1, B2, G1 i G2 u žitaricama, lupinastom voću i njihovim proizvodima – Metoda tekućinske kromatografije visokog učinka s postkolonskom derivatizacijom i čišćenjem na imunoafinitetnoj koloni (EN 12955:1999)

Foodstuffs – Determination of aflatoxins B1, and the sum of aflatoxins B1, B2, G1 and G2 in cereals, shell-fruits and derived products – High performance liquid chromatographic method with post column derivatization and immunoaffinity column cleanup (EN 12955:1999)

- zamijenjena s: HRN EN ISO 16050:2012

**HRN EN 13805:2003 en**

Namirnice – Određivanje elemenata u tragovima – Razgradnja pod tlakom (EN 13805:2002)

Foodstuffs – Determination of trace elements – Pressure digestion (EN 13805:2002)

- zamijenjena s: HRN EN 13805:2014

**HRN EN 14524:2005 en**

Namirnice – Određivanje okadaične kiseline u školjkama – Metoda tekućinske kromatografije visokog učinka s čišćenjem apsorpcijom na čvrstoj fazi, derivatizacijom i fluorimetrijskom detekcijom (EN 14524:2004)

Foodstuffs – Determination of okadaic acid in mussels – HPLC method with solid phase extraction clean-up, derivatization and fluorimetric detection (EN 14524:2004)

- bez zamjene

**HRN CEN/TS 15506:2007 en**

Hrana – Određivanje elemenata u tragovima – Određivanje ukupnog kositra u voću i povrću konzerviranom u limenkama tehnikom plamene atomske apsorpcijske spektrometrije (AAS) (CEN/TS 15506:2007)

Foodstuffs – Determination of trace elements – Determination of tin in fruit and vegetables preserved in cans by flame atomic absorption spectrometry (AAS) (CEN/TS 15506:2007)

- bez zamjene

**HRN ISO 17604:2009 hr**

Mikrobiologija hrane i hrane za životinje – Uzorkovanje životinjskih trupova za mikrobiološke analize (ISO 17604:2003)

Microbiology of food and animal feeding stuffs – Carcass sampling for microbiological analysis (ISO 17604:2003)

- zamijenjena s: HRN EN ISO 17604:2015

**HRN ISO 17604:2009/A1:2009 hr**

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 1:2009)

- zamijenjena s: HRN EN ISO 17604:2015

**HRN ISO 17604:2009/Ispr.1:2009 hr**

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

- zamijenjena s: HRN EN ISO 17604:2015

**HNZ/TO 569, Hrana za životinje****HRN ISO 6495:2001 en**

Stočna hrana – Određivanje udjela u vodi topljivih klorida (ISO 6495:1999)

Animal feeding stuffs – Determination of water-soluble chlorides content (ISO 6495:1999)

- bez zamjene

**HRN ISO 27085:2009 en**

Hrana za životinje – Određivanje kalcija, natrija, fosfora, magnezija, kalija, željeza, cinka, bakra, mangana, kobalta, molibdена, arsenika, olova i kadmiјa ICP-AES metodom (ISO 27085:2009)

Animal feeding stuffs – Determination of calcium, sodium, phosphorus, magnesium, potassium, iron, zinc, copper, manganese, cobalt, molybdenum, arsenic, lead and cadmium by ICP-AES (ISO 27085:2009)

- bez zamjene

**HNZ/TO 571, Sport, igrališta i ostali rekreacijski sadržaji i oprema****HRN EN 892:2013 en**

Planinarska oprema – Dinamička užad – Sigurnosni zahtjevi i metode ispitivanja (EN 892:2012)

Mountaineering equipment – Dynamic mountaineering ropes – Safety requirements and test methods (EN 892:2012)

- zamijenjena s: HRN EN 892:2016

**HNZ/TO Z2, Ocjenjivanje sukladnosti i akreditacija****HRS ISO/IEC TS 17021-2:2016 en**

Ocenjivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 2. dio: Zahtjevi sposobnosti za auditiranje i certifikaciju sustava upravljanja okolišem (ISO/IEC TS 17021-2:2012)

Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 2: Competence requirements for auditing and certification of environmental management systems (ISO/IEC TS 17021-2:2012)

- zamijenjena s: HRS CEN/CLC ISO/IEC/TS 17021-2:2016

**HRS ISO/IEC TS 17021-3:2016 en**

Ocjenvivanje sukladnosti – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja – 3. dio: Zahtjevi osposobljenosti za auditiranje i certifikaciju sustava upravljanja kvalitetom (ISO/IEC TS 17021-3:2013)

Conformity assessment – Requirements for bodies providing audit and certification of management systems – Part 3: Competence requirements for auditing and certification of quality management systems (ISO/IEC TS 17021-3:2013)

- zamijenjena s: HRS CEN/CLC ISO/IEC/TS 17021-3:2016

**HN/TU S1, Zdravlj, okoliš i medicinska oprema 1****HRN EN ISO 6009:2008 en**

Igle za potkožnu injekciju za jednokratnu upotrebu – Obilježavanje bojom radi identifikacije (ISO 6009:1992; EN ISO 6009:1994+AC:2008)

Hypodermic needles for single use – Colour coding for identification (ISO 6009:1992; EN ISO 6009:1994+AC:2008)

- zamijenjena s: HRN EN ISO 6009:2016

**HRN EN ISO 7864:2008 en**

Sterilne igle za potkožnu injekciju za jednokratnu upotrebu (ISO 7864:1993; EN ISO 7864:1995)

Sterile hypodermic needles for single use (ISO 7864:1993; EN ISO 7864:1995)

- zamijenjena s: HRN EN ISO 7864:2016

**HRN EN ISO 9626:2008 en**

Kanile od nehrđajućeg čelika za izradu medicinskih proizvoda (ISO 9626:1991+amd 1:2001; EN ISO 9626:1995+A1:2001)

Stainless steel needle tubing for the manufacture of medical devices (ISO 9626:1991+amd 1:2001; EN ISO 9626:1995+A1:2001)

- zamijenjena s: HRN EN ISO 9626:2016

**HRN EN ISO 10139-2:2011 en**

Stomatologija – Mekani materijali za podlaganje mobilnih zubnih proteza – 2. dio: Materijali za dugotrajanu upotrebu (ISO 10139-2:2009; EN ISO 10139-2:2009)

Dentistry – Soft lining materials for removable dentures – Part 2: Materials for long-term use (ISO 10139-2:2009; EN ISO 10139-2:2009)

- zamijenjena s: HRN EN ISO 10139-2:2016

**HN/TU S2, Zdravlj, okoliš i medicinska oprema 2****HRS CEN/TS 16170:2014 en**

Mulj, obrađeni biootpad i tlo – Određivanje elemenata uporabom optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP-OES) (CEN/TS 16170:2012)

Sludge, treated biowaste and soil – Determination of elements using inductively coupled plasma optical emission spectrometry (ICP-OES) (CEN/TS 16170:2012)

- zamijenjena s: HRN EN 16170:2016

**HRS CEN/TS 16171:2014 en**

Mulj, obrađeni biootpad i tlo – Određivanje elemenata uporabom masene spektrometrije s induktivno spregnutom plazmom (ICP-MS) (CEN/TS 16171:2012)

Sludge, treated biowaste and soil – Determination of elements using inductively coupled plasma mass spectrometry (ICP-MS) (CEN/TS 16171:2012)

- zamijenjena s: HRN EN 16171:2016

**HRS CEN/TS 16175-1:2014 en**

Mulj, obrađeni biootpad i tlo – Određivanje žive – 1. dio: Atomska apsorpcijska spektrometrija tehnikom hladne pare (CV-AAS) (CEN/TS 16175-1:2013)

Sludge, treated biowaste and soil – Determination of mercury – Part 1: Cold-vapour atomic absorption spectrometry (CV-AAS) (CEN/TS 16175-1:2013)

- zamijenjena s: HRN EN 16175-1:2016

**HRS CEN/TS 16175-2:2014 en**

Mulj, obrađeni biootpad i tlo – Određivanje žive – 2. dio: Atomska fluorescentna spektrometrija tehnikom hladne para (CV-AFS) (CEN/TS 16175-2:2013)  
Sludge, treated biowaste and soil – Determination of mercury – Part 2: Cold-vapour atomic fluorescence spectrometry (CV-AFS) (CEN/TS 16175-2:2013)  
- zamijenjena s: HRN EN 16175-2:2016

**HN/TU T1, Prijevoz, rukovanje materijalima i pakiranje 1****HRN EN 1551:2008 en**

Sigurnost industrijskih kamiona – Kamioni s vlastitim pogonom nosivosti više od 10 000 kg (EN 1551:2000)  
Safety of industrial trucks – Self propelled trucks over 10 000 kg capacity (EN 1551:2000)  
- bez zamjene

**HRN EN 1726-1:2008 en**

Sigurnost industrijskih kamiona – Kamioni s vlastitim pogonom različitog dometa nosivosti do 10 000 kg i industrijski traktori s kukom za vuču sile do 20 000 N – 1. dio: Opći zahtjevi (EN 1726-1:1998+A1:2003)  
Safety of industrial trucks – Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a drawbar pull up to and including 20 000 N – Part 1: General requirements (EN 1726-1:1998+A1:2003)  
- bez zamjene

**HRN EN 1757-1:2008 en**

Sigurnost industrijskih kamiona – Viličari pogonjeni guranjem – 1. dio: Viličari za slaganje (EN 1757-1:2001)  
Safety of industrial trucks – Pedestrian propelled trucks – Part 1: Stackers (EN 1757-1:2001)  
- bez zamjene

**HRN EN 1757-2:2008 en**

Sigurnost industrijskih kamiona – Viličari pogonjeni guranjem – 2. dio: Viličari za palete (EN 1757-2:2001)  
Safety of industrial trucks – Pedestrian propelled trucks – Part 2: Pallet trucks (EN 1757-2:2001)  
- bez zamjene

**HRN EN 1757-4:2008 en**

Sigurnost industrijskih kamiona – Vozila za prijevoz tereta pogonjena guranjem – 4. dio: Vozila za palete s podizačem u obliku škara (EN 1757-4:2003)  
Safety of industrial trucks – Pedestrian propelled trucks – Part 4: Scissor lift pallet-trucks (EN 1757-4:2003)  
- bez zamjene

**HRN EN 2000:2008 en**

Nizovi o zrakoplovstvu – Osiguravanje kvalitete – Europske norme (EN) za proizvode iz područja zrakoplovstva – Odobravanje proizvođačevih sustava kvalitete (EN 2000:1991)  
Aerospace series – Quality assurance – EN aerospace products – Approval of the quality system of manufacturers (EN 2000:1991)  
- zamijenjena s: HRN EN 9100:2013, HRN EN 9133:2008

**HRN EN 2714-014:2011 en**

Nizovi o zrakoplovstvu – Kabeli, električni, jednožilni i višežilni za opću upotrebu – Radna temperatura između – 55 °C i 260 °C – 014. dio: DR porodica, sa 5 do 10 jezgri, vezani, oklopljeni (opleteni) i obloženi, ispisivanje pomoću pisača s UV laserom – Norma za proizvod (EN 2714-014:2009)  
Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between – 55 °C and 260 °C – Part 014: DR family, 5 to 10 cores, taped, screened (braided) and jacketed, UV laser printable – Product standard (EN 2714-014:2009)  
- zamijenjena s: HRN EN 2714-014:2016

**HRN EN 2997-002:2012 en**

Nizovi u zrakoplovstvu – Spojnice, električne, kružne, spojene navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – Dio 002: Specifikacije značajki i položaji kontakta (EN 2997-002:2012)

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

- zamijenjena s: HRN EN 2997-002:2016

**HRN EN 2997-005:2012 en**

Nizovi o zrakoplovstvu – Spojnice, električne, kružne, opremljene s navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – 005. dio: Utičnica s kvadratnom prirubnicom bez dotoka zraka – Norma za proizvod (EN 2997-005:2012)

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 005: Hermetic square flange receptacle – Product standard (EN 2997-005:2012)

- zamijenjena s: HRN EN 2997-005:2016

**HRN EN 2997-007:2008 en**

Nizovi o zrakoplovstvu – Spojnice, električne, kružne, opremljene s navojnim prstenom, otporne na vatru ili neotporne na vatru, radne temperature -65 °C do 175 °C neprekidno, 200 °C neprekidno, 260 °C vršno – 007. dio: Utičnica bez dotoka zraka s okruglom prirubnicom spojenom zavarivanjem ili lemljenjem – Norma za proizvod (EN 2997-007:2006)

Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 007: Hermetic receptacle with round flange attached by welding or brazing – Product standard (EN 2997-007:2006)

- zamijenjena s: HRN EN 2997-007:2016

**HRN EN 3155-001:2011 en**

Nizovi o zrakoplovstvu – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 001. dio: Tehnička specifikacija (EN 3155-001:2009)

Aerospace series – Electrical contacts used in elements of connection – Part 001: Technical specification (EN 3155-001:2009)

- zamijenjena s: HRN EN 3155-001:2016

**HRN EN 3375-007:2008 en**

Nizovi o zrakoplovstvu – Električni kabeli za prijenos digitalnih podataka – 007. dio: Dvostruko pleteni – 77 Oma – Tip WW – Norma za proizvod (EN 3375-007:2006)

Aerospace series – Cable, electrical, for digital data transmission – Part 007: Double braid – 77 Ohms – Type WW – Product standard (EN 3375-007:2006)

- zamijenjena s: HRN EN 3375-007:2016

**HRN EN 3375-009:2011 en**

Nizovi o zrakoplovstvu – Električni kabeli za prijenos digitalnih podataka – 009. dio: Jednostruko pleteni – CAN protokol spajanja – 120 Oma – Tip WX – Norma za proizvod (EN 3375-009:2009)

Aerospace series – Cable, electrical, for digital data transmission – Part 009: Single braid – CAN Bus – 120 Ohms – Type WX – Product standard (EN 3375-009:2009)

- zamijenjena s: HRN EN 3375-009:2016

**HRN EN 4534-2:2011 en**

Nizovi o zrakoplovstvu – Čahure, ravne od legure aluminija sa samopodmazujućom podložnim prstenom, povišenog opterećenja – 2. dio: Dimenzije i opterećenja – Nizovi u inčima (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 4534-2:2009)

- zamijenjena s: HRN EN 4534-2:2016

**HRN EN 4535-2:2011 en**

Nizovi o zrakoplovstvu – Čahure, od legure aluminija s prirubnicom i samopodmazujućim podložnim prstenom, povišenog opterećenja – 2. dio: Dimenzije i opterećenja – Nizovi u inčima (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 4535-2:2009)

- zamijenjena s: HRN EN 4535-2:2016

**HRN EN 9104:2008 en**

Nizovi o zrakoplovstvu – Sustavi upravljanja kvalitetom – Zahtjevi za programe certifikacije i registracije za zrakoplovstvo u području upravljanja kvalitetom (EN 9104:2006) Aerospace series – Quality management systems – Requirements for Aerospace Quality Management System Certification/Registrations Programs (EN 9104:2006)

- zamijenjena s: HRN EN 9104-001:2013

**HRN EN 9111:2008 en**

Nizovi o zrakoplovstvu – Sustavi upravljanja kvalitetom – Ocjenjivanje koje se primjenjuje na organizacije za održavanje (osnova je ISO 9001:2000) (EN 9111:2005) Aerospace series – Quality management systems – Assessment applicable to maintenance organizations (based on ISO 9001:2000) (EN 9111:2005)

- bez zamjene

**HRN EN 9121:2011 en**

Nizovi o zrakoplovstvu – Sustavi upravljanja kvalitetom – Ocjenjivanje koje se primjenjuje na trgovce sa skladištem (osnova je ISO 9001:2000) (EN 9121:2009) Aerospace series – Quality management systems – Assessment applicable to stockist distributors (based on ISO 9001:2000) (EN 9121:2009)

- bez zamjene

**HRN EN 13291-3:2008 en**

Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Opći zahtjevi – 3. dio: Materijali, mehanički dijelovi i procesi (EN 13291-3:2003) Space product assurance – General requirements – Part 3: Materials, mechanical parts and processes (EN 13291-3:2003)

- zamijenjena s: HRN EN 16602-70:2016

**HRN EN 14607-8:2008 en**

Svemirsko inženjerstvo – Strojarstvo – 8. dio: Materijali (EN 14607-8:2004) Space engineering – Mechanical – Part 8: Materials (EN 14607-8:2004)

- zamijenjena s: HRN EN 16603-32-08:2016

## 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. Navedeni ispravci smatraju se službenom informacijom i nisu nužno uključeni u norme koje su prethodno objavljene.

### **HNZ/TO 25, Ljevarstvo**

- umjesto

**HRN EN 1562:2013**

Ljevarstvo – Temper lijevovi (EN 1562:2012)  
Founding – Malleable cast irons (EN 1562:2012)

- treba biti

**HRN EN 1562:2013**

Ljevarstvo – Temperi lijevovi (EN 1562:2012)  
Founding – Malleable cast irons (EN 1562:2012)

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

- **umjesto**

### **HRN EN ISO 9692-3:2016**

Zavarivanje i srodni **procesi** – Vrste pripreme spoja – 3. dio: MIG i TIG zavarivanje aluminija i aluminijevih legura (ISO 9692-3:2016; EN ISO 9692-3:2016)

Welding and allied processes – Types of joint preparation – Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys (ISO 9692-3:2016; EN ISO 9692-3:2016)

- **treba biti**

### **HRN EN ISO 9692-3:2016**

Zavarivanje i srodni **postupci** – Vrste pripreme spoja – 3. dio: MIG i TIG zavarivanje aluminija i aluminijevih legura (ISO 9692-3:2016; EN ISO 9692-3:2016)

Welding and allied processes – Types of joint preparation – Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys (ISO 9692-3:2016; EN ISO 9692-3:2016)

- **umjesto**

### **HRS CEN ISO/TS 17845:2008**

Zavarivanje i srodni **procesi** – Sustav označivanja nepravilnosti (ISO/TS 17845:2004; CEN ISO/TS 17845:2004)

Welding and allied processes – Designation system for imperfections (ISO/TS 17845:2004; CEN ISO/TS 17845:2004)

- **treba biti**

### **HRS CEN ISO/TS 17845:2008**

Zavarivanje i srodni **postupci** – Sustav označivanja nepravilnosti (ISO/TS 17845:2004; CEN ISO/TS 17845:2004)

Welding and allied processes – Designation system for imperfections (ISO/TS 17845:2004; CEN ISO/TS 17845:2004)

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

- **umjesto**

### **HRN EN ISO 21809-3:2016**

Industrija nafte i zemnoga plina – Vanjske prevlake za podzemne ili **potopljene** cjevovode za upotrebu u cjevovodnim transportnim sustavima – 3. dio: Prevlake za spojeve izrađene na gradilištu (ISO 21809-3:2016; EN ISO 21809-3:2016)

Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 3: Field joint coatings (ISO 21809-3:2016; EN ISO 21809-3:2016)

- **treba biti**

### **HRN EN ISO 21809-3:2016**

Industrija nafte i zemnoga plina – Vanjske prevlake za podzemne ili **podvodne** cjevovode za upotrebu u cjevovodnim transportnim sustavima – 3. dio: Prevlake za spojeve izrađene na gradilištu (ISO 21809-3:2016; EN ISO 21809-3:2016)

Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 3: Field joint coatings (ISO 21809-3:2016; EN ISO 21809-3:2016)

- **umjesto**

**HRN EN 10242:2008**

Navojna cijevna armatura od **kovnog lijevanoga željeza**

(EN 10242:1994+A1:1999+AC:1999+A2:2003)

Threaded pipe fitting in malleable cast iron (EN 10242:1994+A1:1999+AC:1999+A2:2003)

- **treba biti**

**HRN EN 10242:2008**

Navojna cijevna armatura od **tempernoga lijeva** (EN 10242:1994+A1:1999+AC:1999+A2:2003)

Threaded pipe fitting in malleable cast iron (EN 10242:1994+A1:1999+AC:1999+A2:2003)

- **umjesto**

**HRN EN 10284:2008**

Armatura od **kovnoga lijevanog željeza** sa sažetim krajevima za polietilenske (PE) cijevne sustave

(EN 10284:2000)

Malleable cast iron fittings with compression ends for polyethylene (PE) piping systems

(EN 10284:2000)

- **treba biti**

**HRN EN 10284:2008**

Armatura od **tempernoga lijeva** sa sažetim krajevima za polietilenske (PE) cijevne sustave

(EN 10284:2000)

Malleable cast iron fittings with compression ends for polyethylene (PE) piping systems

(EN 10284:2000)

## **HZN/TO 570, Sustavi upravljanja energijom**

- **umjesto**

**HRN ISO 50006:2016**

Sustavi upravljanja energijom – Mjerenje rezultata upravljanja energijom uporabom polaznih vrijednosti (EnB) i indikatora rezultata upravljanja energijom (EnPI) (ISO 50006:2014)

Energy management systems – Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) – General principles and guidance (ISO 50006:2014)

- **treba biti**

**HRN ISO 50006:2016**

Sustavi upravljanja energijom – Mjerenje rezultata upravljanja energijom uporabom polaznih vrijednosti (EnB) i indikatora rezultata upravljanja energijom (EnPI) – **Opća načela i upute** (ISO 50006:2014)

Energy management systems – Measuring energy performance using energy baselines (EnB) and energy performance indicators (EnPI) – General principles and guidance (ISO 50006:2014)

## **HN/T0 T4, Normizacija u telekomunikacijama**

- umjesto

### **HRN EN 301 428:2002**

Satelitske zemaljske postaje i sustavi (SES) – **Usklađena** europska norma, koja obuhvaća bitne zahtjeve prema članku 3.2 **Smjernice** R&TTE, za krajnje uređaje s vrlo malim antenskim otvorom (VSAT) – Satelitske zemaljske postaje samo za odašiljanje, za odašiljanje i prijam ili samo za prijam koje rade u frekvencijskim pojasima 11/12/14 GHz (EN 301 428:2000 V1.1.1)

Satellite Earth Stations and Systems (SES) – Harmonized EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive (EN 301 428:2000 V1.1.1)

- treba biti

### **HRN EN 301 428:2002**

Satelitske zemaljske postaje i sustavi (SES) – **Harmonizirana** europska norma, koja obuhvaća bitne zahtjeve prema članku 3.2 **Direktive** R&TTE, za krajnje uređaje s vrlo malim antenskim otvorom (VSAT) – Satelitske zemaljske postaje samo za odašiljanje, za odašiljanje i prijam ili samo za prijam koje rade u frekvencijskim pojasima 11/12/14 GHz (EN 301 428:2000 V1.1.1)

Satellite Earth Stations and Systems (SES) – Harmonized EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive (EN 301 428:2000 V1.1.1)

- umjesto

### **HRN EN 301 428 V1.2.1:2004**

Satelitske zemaljske postaje i sustavi (SES) – **Usklađena** europska norma za terminale s vrlo malim otvorom antene (VSAT) – **Odašiljačke zemaljske postaje, zemaljske postaje za odašiljanje i prijam te prijamne zemaljske postaje** u frekvencijskim područjima 11/12/14 GHz koje zadovoljavaju bitne zahtjeve iz članka 3.2 Direktive R&TTE (EN 301 428 V1.2.1:2001)

Satellite Earth Stations and Systems (SES) – Harmonized EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive (EN 301 428 V1.2.1:2001)

- treba biti

### **HRN EN 301 428 V1.2.1:2004**

Satelitske zemaljske postaje i sustavi (SES) – **Harmonizirana** europska norma, koja obuhvaća bitne zahtjeve prema članku 3.2 **Direktive** R&TTE, za krajnje uređaje s vrlo malim antenskim otvorom (VSAT) – **Satelitske zemaljske postaje samo za odašiljanje, za odašiljanje i prijam ili samo za prijam** koje rade u frekvencijskim pojasima 11/12/14 GHz (EN 301 428 V1.2.1:2001)

Satellite Earth Stations and Systems (SES) – Harmonized EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE Directive (EN 301 428 V1.2.1:2001)

- **umjesto**

**HRN EN 301 428 V1.3.1:2008**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana europska norma za satelitsku zemaljsku postaju vrlo malog promjera antene (VSAT) – **Samo odašiljačku, odašiljačko prijamnu ili samo prijamnu**, koja radi u frekvencijskim pojasevima 11/12/13/14 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 **direktive R&TTE** (EN 301 428 V1.3.1:2006)

Satellite Earth Stations and Systems (SES) – Harmonised EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under Article 3.2 of the R&TTE Directive (EN 301 428 V1.3.1:2006)

- **treba biti**

**HRN EN 301 428 V1.3.1:2008**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana europska norma, koja obuhvaća bitne zahtjeve prema članku 3.2 **Direktive R&TTE**, za krajnje uređaje s vrlo malim antenskim otvorom (VSAT) – **Satelitske zemaljske postaje samo za odašiljanje, za odašiljanje i prijam ili samo za prijam** koje rade u frekvencijskim pojasima 11/12/14 GHz (EN 301 428 V1.3.1:2006)

Satellite Earth Stations and Systems (SES) – Harmonised EN for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under Article 3.2 of the R&TTE Directive (EN 301 428 V1.3.1:2006)

- **umjesto**

**HRN EN 301 428 V2.1.1:2016**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za terminale s jako malim promjerom parabolične antene (VSAT) – Zemaljski satelitske zemaljske postaje koji samo odašilju, odašilju/primaju ili samo primaju u frekvencijskim pojasima 11/12/14 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU (EN 301 428 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 301 428 V2.1.1:2016)

- **treba biti**

**HRN EN 301 428 V2.1.1:2016**

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma, koja obuhvaća bitne zahtjeve prema članku 3.2 **Direktive R&TTE**, za krajnje uređaje s vrlo malim antenskim otvorom (VSAT) – **Satelitske zemaljske postaje samo za odašiljanje, za odašiljanje i prijam ili samo za prijam** koje rade u frekvencijskim pojasima 11/12/14 GHz (EN 301 428 V2.1.1:2016)

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Very Small Aperture Terminal (VSAT) – Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 301 428 V2.1.1:2016)

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

- **umjesto**

**HRS CEN/TS 419221-1:2016**

Obrasci zaštite kriptografskih modula **protokola izdavanja vremenskog žiga** (TSP-a) – 1. dio:  
Pregled (CEN/TS 419221-1:2016)

Protection Profiles for TSP cryptographic modules – Part 1: Overview (CEN/TS 419221-1:2016)

- **treba biti**

**HRS CEN/TS 419221-1:2016**

Obrasci zaštite kriptografskih modula **pružatelja usluga povjerenja** (TSP-a) – 1. dio: Pregled (CEN/TS 419221-1:2016)

Protection Profiles for TSP cryptographic modules – Part 1: Overview (CEN/TS 419221-1:2016)

- **umjesto**

**HRS CEN/TS 419221-2:2016**

Obrasci zaštite kriptografskih modula **protokola izdavanja vremenskog žiga** (TSP-a) – 2. dio:  
Kriptografski modul za postupak potpisivanja davatelja usluga certificiranja (CSP-a) sa sigurnosnim kopiranjem (CEN/TS 419221-2:2016)

Protection Profiles for TSP cryptographic modules – Part 2: Cryptographic module for CSP signing operations with backup (CEN/TS 419221-2:2016)

- **treba biti**

**HRS CEN/TS 419221-2:2016**

Obrasci zaštite kriptografskih modula **pružatelja usluga povjerenja** (TSP-a) – 2. dio: Kriptografski modul za postupak potpisivanja davatelja usluga certificiranja (CSP-a) sa sigurnosnim kopiranjem (CEN/TS 419221-2:2016)

Protection Profiles for TSP cryptographic modules – Part 2: Cryptographic module for CSP signing operations with backup (CEN/TS 419221-2:2016)

- **umjesto**

**HRS CEN/TS 419221-3:2016**

Obrasci zaštite kriptografskih modula **protokola izdavanja vremenskog žiga** (TSP-a) – 3. dio:  
Kriptografski modul za usluge kreiranja ključa davatelja usluga certificiranja (CSP-a)  
(CEN/TS 419221-3:2016)

Protection Profiles for TSP Cryptographic modules – Part 3: Cryptographic module for CSP key generation services (CEN/TS 419221-3:2016)

- **treba biti**

**HRS CEN/TS 419221-3:2016**

Obrasci zaštite kriptografskih modula **pružatelja usluga povjerenja** (TSP-a) – 3. dio: Kriptografski modul za usluge kreiranja ključa davatelja usluga certificiranja (CSP-a) (CEN/TS 419221-3:2016)  
Protection Profiles for TSP Cryptographic modules – Part 3: Cryptographic module for CSP key generation services (CEN/TS 419221-3:2016)

- **umjesto**

**HRS CEN/TS 419221-4:2016**

Obrasci zaštite kriptografskih modula **protokola izdavanja vremenskog žiga** (TSP-a) – 4. dio:  
Kriptografski modul za postupak potpisivanja davatelja usluga certificiranja (CSP-a) bez sigurnosnog kopiranja (CEN/TS 419221-4:2016)

Protection Profiles for TSP cryptographic modules – Part 4: Cryptographic module for CSP signing operations without backup (CEN/TS 419221-4:2016)

- **treba biti**

**HRS CEN/TS 419221-4:2016**

Obrasci zaštite kriptografskih modula **pružatelja usluga povjerenja** (TSP-a) – 4. dio: Kriptografski modul za postupak potpisivanja davatelja usluga certificiranja (CSP-a) bez sigurnosnog kopiranja (CEN/TS 419221-4:2016)

Protection Profiles for TSP cryptographic modules – Part 4: Cryptographic module for CSP signing operations without backup (CEN/TS 419221-4:2016)

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

- umjesto

### **HRN EN ISO 8049:2016**

**Kuglice feronikla** – Uzorkovanje za analizu (ISO 8049:2016; EN ISO 8049:2016)  
Ferronickel shot – Sampling for analysis (ISO 8049:2016; EN ISO 8049:2016)

- treba biti

### **HRN EN ISO 8049:2016**

**Feronikal u granulama** – Uzorkovanje za analizu (ISO 8049:2016; EN ISO 8049:2016)  
Ferronickel shot – Sampling for analysis (ISO 8049:2016; EN ISO 8049:2016)

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

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljaju njihovi naslovi na hrvatskome jeziku, koji nisu nužno uključeni u norme koje su prethodno objavljene. Obavijest o naslovima na hrvatskome jeziku smatra se službenom informacijom.

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

#### **HRN ETS 300 392-2 V1:2010**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(ETS 300 392-2 ed.1:1996)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(ETS 300 392-2 ed.1:1996)

#### **HRN EN 300 392-2 V2.1.1:2009**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(EN 300 392-2 V2.1.1:2000)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(EN 300 392-2 V2.1.1:2000)

#### **HRN EN 300 392-2 V2.3.2:2009**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(EN 300 392-2 V2.3.2:2001)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(EN 300 392-2 V2.3.2:2001)

#### **HRN EN 300 392-2 V2.4.2:2009**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(EN 300 392-2 V2.4.2:2004)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(EN 300 392-2 V2.4.2:2004)

#### **HRN EN 300 392-2 V2.5.2:2009**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(EN 300 392-2 V2.5.2:2005)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(EN 300 392-2 V2.5.2:2005)

#### **HRN EN 300 392-2 V3.2.1:2009**

Terestrijalni međumjesni radio (TETRA) – Glas i podatci (V+D) – 2. dio: Zračno sučelje (AI)  
(EN 300 392-2 V3.2.1:2007)  
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)  
(EN 300 392-2 V3.2.1:2007)

## **1.10 Prijevodi hrvatskih normativnih dokumenata**

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

Sljedeći hrvatski nacionalni dodaci objavljeni na hrvatskome jeziku sada su dostupni i na engleskome jeziku:

#### **HRN EN 1992-2:2013/NA:2013/Ispr.1:2015 hr-en izv**

Eurokod 2: Projektiranje betonskih konstrukcija – 2. dio: Betonski mostovi – Proračun i pravila razrade detalja – Nacionalni dodatak  
Eurocode 2: Design of concrete structures – Part 2: Concrete bridges – Design and detailing rules – National Annex

#### **HRN EN 1993-1-4:2014/NA:2016 hr-en izv**

Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-4: Opća pravila – Dodatna pravila za nehrđajuće čelike – Nacionalni dodatak  
Eurocode 3: Design of steel structures – Part 1-4: General rules – Supplementary rules for stainless steels – National Annex

#### **HRN EN 1997-1:2012/NA:2016 hr-en izv**

Eurokod 7: Geotehničko projektiranje – 1. dio: Opća pravila – Nacionalni dodatak  
Eurocode 7: Geotechnical design – Part 1: General rules – National Annex

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

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

#### **Međunarodna normizacija ISO**

ISO 29783-3:2016-06

Prosthetics and orthotics – Vocabulary – Part 3: Pathological gait (excluding prosthetic gait)

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

#### **Međunarodna normizacija ISO**

ISO 857-1:1998-12

Welding and allied processes – Vocabulary – Part 1: Metal welding processes

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

#### **Međunarodna normizacija IEC**

IEC 60700-2:2016-06

Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology

### **01.040.43 Cestovna vozila (Rječnici)**

#### **Međunarodna normizacija ISO**

ISO 3536:2016-06

Road vehicles – Safety glazing materials – Vocabulary

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

#### **Međunarodna normizacija ISO**

ISO 10254:2016-07

Air cargo and ground equipment – Vocabulary

### **01.040.61 Industrija odjeće (Rječnici)**

#### **Međunarodna normizacija ISO**

ISO 18825-1:2016-07

Clothing – Digital fittings – Part 1: Vocabulary and terminology used for the virtual human body

**01.040.81                      Industrija stakla i keramike (Rječnici)**

**Međunarodna normizacija**  
**ISO**

ISO 3536:2016-06  
Road vehicles – Safety glazing materials – Vocabulary

**01.070                      Kodiranje bojama**

**Međunarodna normizacija**  
**ISO**

IEC 60062:2016-07  
Marking codes for resistors and capacitors

**01.080.20                      Grafički simboli za upotrebu na posebnoj opremi**

**Međunarodna normizacija**  
**ISO**

ISO 2575 AMD 5:2016-06  
Road vehicles – Symbols for controls, indicators and tell-tales; Amendment 5

**01.100.20                      Crteži u strojarstvu**

**Međunarodna normizacija**  
**ISO**

ISO 10110-9:2016-07  
Optics and photonics – Preparation of drawings for optical elements and systems – Part 9: Surface treatment and coating

ISO 10110-11:2016-07  
Optics and photonics – Preparation of drawings for optical elements and systems – Part 11: Non-toleranced data

**01.120                      Normizacija. Opća pravila**

**Europska normizacija**  
**CEN**

CEN-CENELEC Guide 12:2016-06  
CEN/CENELEC Guide 12 – The concept of Affiliation with CEN and CENELEC

CEN-CENELEC Guide 13:2016-06  
CEN/CENELEC Guide 13 – The concept of Companion Standardization Body with CEN and CENELEC

CEN-CENELEC Guide 4:2003-08  
General Guidelines for the Cooperation between CEN, CENELEC and ETSI and the European Commision and the European Free Trade Association

CENELEC Guide 1:2016-07  
Survey of Resolutions of the CENELEC General Assembly

**01.140.10                  Pisanje i transliteracija**

**Međunarodna normizacija  
ISO**

ISO 24624:2016-08  
Language resource management – Transcription of spoken language

**01.140.20                  Informacijske znanosti**

**Europska normizacija  
CENELEC**

EN 62702-1-1:2016-06  
Audio Archive System – Part 1-1: DVD disk and data migration for long term audio data storage  
(IEC 62702-1-1:2016)

**03.080.30                  Usluge za potrošače**

**Međunarodna normizacija  
ISO**

IWA 18:2016-06  
Framework for integrated community-based life-long health and care services in aged societies

**03.100.10                  Nabava. Opskrba. Logistika**

**Europska normizacija  
CEN**

CWA 17028-105:2016-06  
Business Interoperability Interfaces for public procurement in Europe – BII Profile 33 – Catalogue subscription

CWA 17029-120:2016-06  
Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 120: Profile BII29 Receipt Advice

CWA 17029-121:2016-06  
Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 121: Profile BII30 Despatch Only

CWA 17029-123:2016-06  
Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 123: Profile BII32 Simple Ordering

CWA 17029-124:2016-06  
Business Interoperability Interfaces for public procurement in Europe – BII profile 32 – Order Agreement

CWA 17029-201:2016-06  
Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 201: UBL Syntax Implementation Guideline for Trdm001 Order

CWA 17029-202:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 202: UBL Syntax Implementation Guideline for Trdm002 Simple Order Response

CWA 17029-205:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 205: UBL Syntax Implementation Guideline for Trdm010 Invoice

CWA 17029-401:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 401: Guideline on Procurement With Aligned Master Data

CWA 17029-402:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 402: Guideline on Simplified Invoicing

CWA 17029-403:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 403: Guideline on Payment Initiation and Reconciliation

CWA 17029-404:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 404: Guideline on Pre-payments

CWA 17029-405:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 405: Guideline on Initiating the Procurement and Invoice Process with Accounting

CWA 17044:2016-06

Aerospace series – Modules for Electro-Mechanical Actuators in Aircraft

CWA 17046:2016-06

Humanitarian demining – Non-technical survey in the land release process

CWA 17047:2016-06

Comminuted and fragmented poultry meat – Quantification of muscle fibre structure degradation

### **03.120.01                    Kvaliteta općenito**

#### **Međunarodna normizacija**

**ISO**

IEC/TR 63039:2016-07

Probabilistic risk analysis of technological systems – Estimation of final event rate at a given initial state

### **03.120.10                    Upravljanje kvalitetom i osiguravanje kvalitete**

#### **Europska normizacija**

**CEN**

EN 9104-002:2016-06

Aerospace series – Quality management systems – Part 002: Requirements for Oversight of Aerospace Quality Management System Registration/Certification Programs

## **03.120.20 Certificiranje proizvoda i tvrtki.Ocjenjivanje sukladnosti**

### **Međunarodna normizacija ISO**

ISO/IEC 27009:2016-06

Information technology – Security techniques – Sector-specific application of ISO/IEC 27001 – Requirements

### **IEC**

IEC/TR 62970:2016-06

Guidance on how to conduct round robin tests for household and similar electrical appliances

IEC CA 01:2016-07

IEC Conformity Assessment Systems – Basic Rules

## **03.120.30 Primjena statističkih metoda**

### **Međunarodna normizacija ISO**

ISO/TR 16705:2016-08

Statistical methods for implementation of Six Sigma – Selected illustrations of contingency table analysis

## **07.100.30 Mikrobiologija hrane**

### **Europska normizacija CEN**

EN ISO 16140-1:2016-07

Microbiology of the food chain – Method validation – Part 1: Vocabulary (ISO 16140-1:2016)

EN ISO 16140-2:2016-07

Microbiology of the food chain – Method validation – Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method (ISO 16140-2:2016)

EN ISO 17468:2016-07

Microbiology of the food chain – Technical requirements and guidance on establishment or revision of a standardized reference method (ISO 17468:2016)

### **Međunarodna normizacija ISO**

ISO 16140-1:2016-06

Microbiology of the food chain – Method validation – Part 1: Vocabulary

ISO 16140-2:2016-06

Microbiology of the food chain – Method validation – Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method

ISO 17468:2016-06

Microbiology of the food chain – Technical requirements and guidance on establishment or revision of a standardized reference method

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

**Međunarodna normizacija**  
**ISO**

IWA 18:2016-06

Framework for integrated community-based life-long health and care services in aged societies

**11.040.01 Medicinska oprema općenito**

**Međunarodna normizacija**  
**ISO**

IEC 62366-1 Corrigendum 1:2016-07

Medical devices – Part 1: Application of usability engineering to medical devices; Corrigendum 1

**11.040.20 Transfuzijska, infuzijska i injekcijska oprema**

**Međunarodna normizacija**  
**ISO**

ISO 11418-7:2016-06

Containers and accessories for pharmaceutical preparations – Part 7: Screw-neck vials made of glass tubing for liquid dosage forms

**11.040.25 Šprice. Igle. Kateteri**

**Međunarodna normizacija**  
**ISO**

ISO 80369-3:2016-07

Small-bore connectors for liquids and gases in healthcare applications – Part 3: Connectors for enteral applications

ISO 11608-7:2016-08

Needle-based injection systems for medical use – Requirements and test methods – Part 7: Accessibility for persons with visual impairment

**11.040.40 Implantati za kirurgiju, protetiku i ortotiku**

**Europska normizacija**  
**CEN**

EN 302195 V 2.1.1:2016-06

Short Range Devices (SRD) – Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

**Međunarodna normizacija**  
**ISO**

ISO 7206-13:2016-07

Implants for surgery – Partial and total hip joint prostheses – Part 13: Determination of resistance to torque of head fixation of stemmed femoral components

ISO 29783-3:2016-06

Prosthetics and orthotics – Vocabulary – Part 3: Pathological gait (excluding prosthetic gait)

ISO 5832-1:2016-07

Implants for surgery – Metallic materials – Part 1: Wrought stainless steel

ISO 7198:2016-08

Cardiovascular implants and extracorporeal systems – Vascular prostheses – Tubular vascular grafts and vascular patches

**11.040.50 Radiografska oprema**

**Europska normizacija**  
**CENELEC**

EN 60601-2-44/A2:2016-06

Medical electrical equipment – Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography (IEC 60601-2-44:2009/A2:2016)

EN 62563-1/A1:2016-06

Medical electrical equipment – Medical image display systems – Part 1: Evaluation methods (IEC 62563-1:2009/A1:2016)

EN 61303/AC:2016-07

Medical electrical equipment – Radionuclide calibrators – Particular methods for describing performance (IEC 61303:1994/COR1:2016)

**Međunarodna normizacija**  
**IEC**

IEC 61303 Corrigendum 1:2016-06

Medical electrical equipment – Radionuclide calibrators – Particular methods for describing performance; Corrigendum 1

**11.040.70 Oftalmološka oprema**

**Međunarodna normizacija**  
**ISO**

ISO 18189:2016-06

Ophthalmic optics – Contact lenses and contact lens care products – Cytotoxicity testing of contact lenses in combination with lens care solution to evaluate lens/solution interactions

**11.060.01                    Stomatologija općenito**

**Međunarodna normizacija  
ISO**

ISO 13078-2:2016-07

Dentistry – Dental furnace – Part 2: Test method for evaluation of furnace programme via firing glaze

**11.060.10                    Stomatološki materijali**

**Europska normizacija  
CEN**

EN ISO 10139-2:2016-07

Dentistry – Soft lining materials for removable dentures – Part 2: Materials for long-term use  
(ISO 10139-2:2016)

**Međunarodna normizacija  
ISO**

ISO 10139-2:2016-06

Dentistry – Soft lining materials for removable dentures – Part 2: Materials for long-term use

ISO 17254:2016-07

Dentistry – Coiled springs for use in orthodontics

**11.060.15                    Stomatološki implantati**

**Europska normizacija  
CEN**

EN ISO 19429:2016-06

Dentistry – Designation system for dental implants (ISO 19429:2015)

**11.100.99                    Ostale norme koje se odnose na laboratorijsku medicinu**

**Međunarodna normizacija  
ISO**

ISO 4802-1:2016-06

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 1: Determination by titration method and classification

ISO 4802-2:2016-06

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 2: Determination by flame spectrometry and classification

**11.120.99                   Ostale norme koje se odnose na ljekarništvo**

**Međunarodna normizacija  
ISO**

ISO 11418-7:2016-06

Containers and accessories for pharmaceutical preparations – Part 7: Screw-neck vials made of glass tubing for liquid dosage forms

**11.180.10                   Pomagala i prilagodbe za kretanje**

**Europska normizacija  
CEN**

EN ISO 10328:2016-06

Prosthetics – Structural testing of lower-limb prostheses – Requirements and test methods (ISO 10328:2016)

EN ISO 22675:2016-06

Prosthetics – Testing of ankle-foot devices and foot units – Requirements and test methods (ISO 22675:2016)

**13.020.20                   Ekogospodarstvo**

**Međunarodna normizacija  
ISO**

ISO 37101:2016-07

Sustainable development in communities – Management system for sustainable development – Requirements with guidance for use

ISO/TR 37152:2016-08

Smart community infrastructures – Common framework for development and operation

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

**Međunarodna normizacija  
ISO**

ISO 13073-3:2016-06

Ships and marine technology – Risk assessment on anti-fouling systems on ships – Part 3: Human health risk assessment method of biocidally active substances used in anti-fouling paints on ships during the application and removal processes

**13.030.40                   Instalacije i oprema za odlaganje i obradu otpada**

**Europska normizacija  
CEN**

EN 14582:2016-08

Characterization of waste – Halogen and sulfur content – Oxygen combustion in closed systems and determination methods

## **13.040.40 Emisije iz stacionarnih izvora**

### **Europska normizacija CEN**

**EN 19694-1:2016-07**

Stationary source emissions – Determination of greenhouse gas (GHG) emissions in energy-intensive industries – Part 1: General aspects

**EN 19694-2:2016-07**

Stationary source emissions – Greenhouse Gas (GHG) emissions in energy-intensive industries – Part 2: Iron and steel industry

**EN 19694-3:2016-07**

Stationary source emissions – Determination of greenhouse gas (GHG) emissions in energy-intensive industries – Part 3: Cement industry

**EN 19694-4:2016-07**

Stationary source emissions – Determination of greenhouse gas (GHG) emissions in energy-intensive industries – Part 4: Aluminium industry

**EN 19694-5:2016-07**

Stationary source emissions – Determination of greenhouse gas (GHG) emissions in energy-intensive industries – Part 5: Lime industry

**EN 19694-6:2016-07**

Stationary source emissions – Determination of greenhouse gas (GHG) emissions in energy-intensive industries – Part 6: Ferroalloy industry

**EN 50632-2-3:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-3: Particular requirements for concrete grinders and disk- type sanders

**EN 50632-2-4:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-4: Particular requirements for sanders other than disk type

**EN 50632-2-5:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-5: Particular requirements for circular saws

**EN 50632-2-11:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-11: Particular requirements for jig and sabre saws

**EN 50632-2-14:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-14: Particular requirements for planers

**EN 50632-2-17:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-17: Particular requirements for routers and trimmers

**EN 50632-2-19:2016-07**

Electric motor-operated tools – Dust measurement procedure – Part 2-19: Particular requirements for jointers

EN 50632-3-1:2016-07

Electric motor-operated tools – Dust measurement procedure – Part 3-1: Particular requirements for transportable table saws

EN ISO 15012-4:2016-07

Health and safety in welding and allied processes – Equipment for capture and separation of welding fume – Part 4: General requirements (ISO 15012-4:2016)

#### **Međunarodna normizacija**

**ISO**

ISO 15012-4:2016-06

Health and safety in welding and allied processes – Equipment for capture and separation of welding fume – Part 4: General requirements

ISO 17179:2016-07

Stationary source emissions – Determination of the mass concentration of ammonia in flue gas – Performance characteristics of automated measuring systems

#### **13.060.10**

#### **Voda iz prirodnih izvora**

#### **Međunarodna normizacija**

**ISO**

ISO 5667-4:2016-06

Water quality – Sampling – Part 4: Guidance on sampling from lakes, natural and man-made

#### **13.060.30**

#### **Kanalizacijske vode**

#### **Europska normizacija**

**CEN**

CEN/TR 16928:2016-06

Guidance for the implementation of environmental aspects in product standards and system standards in the field of wastewater engineering

#### **13.060.45**

#### **Ispitivanje vode općenito (uključujući uzorkovanje)**

#### **Međunarodna normizacija**

**ISO**

ISO 5667-4:2016-06

Water quality – Sampling – Part 4: Guidance on sampling from lakes, natural and man-made

#### **13.060.50**

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

#### **Međunarodna normizacija**

**ISO**

ISO 17294-2:2016-07

Water quality – Application of inductively coupled plasma mass spectrometry (ICP-MS) – Part 2: Determination of selected elements including uranium isotopes

## **13.060.60 Ispitivanje fizikalnih svojstava vode**

**Europska normizacija**  
**CEN**

EN ISO 7027-1:2016-06  
Water quality – Determination of turbidity – Part 1: Quantitative methods (ISO 7027-1:2016)

**Međunarodna normizacija**  
**ISO**

ISO 7027-1:2016-06  
Water quality – Determination of turbidity – Part 1: Quantitative methods

## **13.080.30 Biološka svojstva tla**

**Međunarodna normizacija**  
**ISO**

ISO 18763:2016-07  
Soil quality – Determination of the toxic effects of pollutants on germination and early growth of higher plants

## **13.110 Sigurnost strojeva**

**Europska normizacija**  
**CEN**

EN ISO 14122-1:2016-06  
Safety of machinery – Permanent means of access to machinery – Part 1: Choice of fixed means and general requirements of access (ISO 14122-1:2016)

EN ISO 14122-2:2016-06  
Safety of machinery – Permanent means of access to machinery – Part 2: Working platforms and walkways (ISO 14122-2:2016)

EN ISO 14122-3:2016-06  
Safety of machinery – Permanent means of access to machinery – Part 3: Stairs, stepladders and guard-rails (ISO 14122-3:2016)

EN ISO 14122-4:2016-06  
Safety of machinery – Permanent means of access to machinery – Part 4: Fixed ladders (ISO 14122-4:2016)

## **13.140 Utjecaj buke na ljude**

**Međunarodna normizacija**  
**ISO**

ISO 389-7 AMD 1:2016-07  
Acoustics – Reference zero for the calibration of audiometric equipment – Part 7: Reference threshold of hearing under free-field and diffuse-field listening conditions – Amendment 1: Reference threshold of hearing at 20 Hz and 18000 Hz under free-field listening conditions and at 20 Hz under diffuse-field listening conditions

**13.180                   Ergonomija**

**Europska normizacija  
CEN**

EN ISO 24504:2016-06  
Ergonomics – Accessible design – Sound pressure levels of spoken announcements for products and public address systems (ISO 24504:2014)

**13.200                   Zaštita od nezgoda i velikih nesreća**

**Europska normizacija  
CEN**

EN 16831:2016-08  
Tractors and machinery for agriculture and forestry – Safety – Format for reporting accidents

**13.220.01               Zaštita od požara općenito**

**Međunarodna normizacija  
ISO**

ISO/TR 13571-2:2016-07  
Life-threatening components of fire – Part 2: Methodology and examples of tenability assessment

ISO 24678-6:2016-08  
Fire safety engineering – Requirements governing algebraic formulae – Part 6: Flashover related phenomena

**13.220.10               Vatrogastvo**

**Međunarodna normizacija  
ISO**

ISO 7076-3:2016-07  
Fire protection – Foam fire extinguishing systems – Part 3: Medium expansion foam equipment

ISO 7076-6:2016-06  
Fire protection – Foam fire extinguishing systems – Part 6: Vehicle mounted compressed air foam systems

ISO 7076-4:2016-07  
Fire protection – Foam fire extinguishing systems – Part 4: High expansion foam equipment

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

**Europska normizacija  
CEN**

EN 50399/A1:2016-06  
Common test methods for cables under fire conditions – Heat release and smoke production measurement on cables during flame spread test – Test apparatus, procedures, results

EN 1102:2016-08

Textiles and textile products – Burning behaviour – Curtains and drapes – Detailed procedure to determine the flame spread of vertically oriented specimens

EN 1794-3:2016-07

Road traffic noise reducing devices – Non-acoustic performance – Part 3: Reaction to fire – Burning behaviour of noise reducing devices and classification

EN ISO 12863/A1:2016-07

Standard test method for assessing the ignition propensity of cigarettes  
(ISO 12863:2010/Amd 1:2016)

#### **CENELEC**

EN 61249-2-43:2016-07

Materials for printed boards and other interconnecting structures – Part 2-43: Reinforced base materials clad and unclad – Non-halogenated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-43:2016)

EN 61249-2-44:2016-07

Materials for printed boards and other interconnecting structures – Part 2-44: Reinforced base materials clad and unclad – Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-44:2016)

#### **Međunarodna normizacija**

**ISO**

ISO 12863 AMD 1:2016-07

Standard test method for assessing the ignition propensity of cigarettes; Amendment 1

ISO 15540:2016-07

Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Test methods

ISO 15541:2016-07

Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Requirements for the test bench

**13.220.50**

**Vatrootpornost građevnih materijala i elemenata**

#### **Europska normizacija**

**CEN**

EN 13501-2:2016-06

Fire classification of construction products and building elements – Part 2: Classification using data from fire resistance tests, excluding ventilation services

EN 13501-4:2016-06

Fire classification of construction products and building elements – Part 4: Classification using data from fire resistance tests on components of smoke control systems

EN 13501-5:2016-06

Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests

## **13.240 Zaštita od previsokoga tlaka**

### **Europska normizacija**

**CEN**

EN ISO 4126-1/A1:2016-06

Safety devices for protection against excessive pressure – Part 1: Safety valves – Amendment 1  
(ISO 4126-1:2013/Amd 1:2016)

EN ISO 4126-5/A1:2016-06

Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS) – Amendment 1 (ISO 4126-5:2013/Amd 1:2016)

EN ISO 4126-7/A1:2016-06

Safety devices for protection against excessive pressure – Part 7: Common data – Amendment 1  
(ISO 4126-7:2013/Amd 1:2016)

### **Međunarodna normizacija**

**ISO**

ISO 4126-1 AMD 1:2016-06

Safety devices for protection against excessive pressure – Part 1: Safety valves; Amendment 1

ISO 4126-5 AMD 1:2016-06

Safety devices for protection against excessive pressure – Part 5: Controlled safety pressure relief systems (CSPRS); Amendment 1

ISO 4126-7 AMD 1:2016-06

Safety devices for protection against excessive pressure – Part 7: Common data; Amendment 1

## **13.300 Zaštita od opasnih tvari**

### **Europska normizacija**

**CEN**

EN 14025+A1:2016-06

Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and construction

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

### **Europska normizacija**

**CEN**

EN 50131-2-7-1/A2:2016-06

Alarm systems – Intrusion and hold-up systems – Part 2-7-1: Intrusion detectors – Glass break detectors (acoustic)

EN 50131-2-7-2/A2:2016-06

Alarm systems – Intrusion and hold-up systems – Part 2-7-2: Intrusion detectors – Glass break detectors (passive)

EN 50131-2-7-3/A2:2016-06

Alarm systems – Intrusion and hold-up systems – Part 2-7-3: Intrusion detectors – Glass break detectors (active)

EN 50194-2/A1:2016-06

Electrical apparatus for the detection of combustible gases in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises – Additional test methods and performance requirements

**13.340.10 Zaštitna odjeća**

**Međunarodna normizacija**

**ISO**

ISO 11999-6:2016-08

PPE for firefighters – Test methods and requirements for PPE used by firefighters who are at risk of exposure to high levels of heat and/or flame while fighting fires occurring in structures – Part 6: Footwear

**13.340.30 Uređaji za zaštitu dišnih organa**

**Međunarodna normizacija**

**ISO**

ISO 16900-5:2016-07

Respiratory protective devices – Methods of test and test equipment – Part 5: Breathing machine, metabolic simulator, RPD headforms and torso, tools and verification tools

**17.020 Mjeriteljstvo i mjerjenje općenito**

**Međunarodna normizacija**

**ISO**

ISO/TR 16476:2016-06

Reference materials – Establishing and expressing metrological traceability of quantity values assigned to reference materials

**17.040.30 Mjerni instrumenti**

**Europska normizacija**

**CEN**

EN ISO 17450-3:2016-06

Geometrical product specifications (GPS) – General concepts – Part 3: Toleranced features (ISO 17450-3:2016)

**17.140.01 Akustička mjerena i smanjenje buke općenito**

**Međunarodna normizacija**

**ISO**

ISO/PAS 20065:2016-07

Acoustics – Objective method for assessing the audibility of tones in noise – Engineering method

## **17.140.30                    Buka koju proizvode prijevozna sredstva**

### **Međunarodna normizacija ISO**

ISO 362-3:2016-07

Measurement of noise emitted by accelerating road vehicles – Engineering method – Part 3: Indoor testing M and N categories

ISO 20283-3 AMD 1:2016-07

Mechanical vibration – Measurement of vibration on ships – Part 3: Pre-installation vibration measurement of shipboard equipment; Amendment 1

## **17.140.50                    Elektroakustika**

### **Europska normizacija CENELEC**

EN 61260-2:2016-06

Electroacoustics – Octave-band and fractional-octave-band filters – Part 2: Pattern-evaluation tests (IEC 61260-2:2016)

EN 61260-3:2016-06

Electroacoustics – Octave-band and fractional-octave-band filters – Part 3: Periodic tests (IEC 61260-3:2016)

### **Međunarodna normizacija IEC**

IEC 61094-3:2016-06

Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique

## **17.160                        Vibracije, udari i mjerjenja vibracija**

### **Međunarodna normizacija ISO**

ISO 16063-17:2016-06

Methods for the calibration of vibration and shock transducers – Part 17: Primary calibration by centrifuge

ISO 16063-1 AMD 1:2016-07

Methods for the calibration of vibration and shock transducers – Part 1: Basic concepts; Amendment 1

ISO 20283-3 AMD 1:2016-07

Mechanical vibration – Measurement of vibration on ships – Part 3: Pre-installation vibration measurement of shipboard equipment; Amendment 1

**17.180.30 Optički mjerni instrumenti**

**Europska normizacija  
CENELEC**

EN 62129-1:2016-06

Calibration of wavelength/optical frequency measurement instruments – Part 1: Optical spectrum analyzers (IEC 62129-1:2016)

**17.200.01 Termodinamika općenito**

**Europska normizacija  
CEN**

CEN/TR 16988:2016-07

Estimation of uncertainty in the single burning item test

**17.220.01 Elektricitet. Magnetizam. Opći aspekti**

**Europska normizacija  
CENELEC**

EN 60909-0:2016-06

Short-circuit currents in three-phase a.c. systems – Part 0: Calculation of currents (IEC 60909-0:2016)

**17.220.20 Mjerenje električnih i magnetskih veličina**

**Europska normizacija  
CENELEC**

EN 60556/A1:2016-06

Gyromagnetic materials intended for application at microwave frequencies – Measuring methods for properties (IEC 60556:2006/A1:2016)

EN 61557-8/AC:2016-06

Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 8: Insulation monitoring devices for IT systems (IEC 61557-8:2014/COR1:2016)

EN 61557-9/AC:2016-06

Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 9: Equipment for insulation fault location in IT systems (IEC 61557-9:2014/COR1:2016)

**Međunarodna normizacija  
IEC**

IEC 61340-2-3:2016-06

Electrostatics – Part 2-3: Methods of test for determining the resistance and resistivity of solid materials used to avoid electrostatic charge accumulation

**17.240                    Mjerenja zračenja**

**Međunarodna normizacija**  
**IEC**

IEC 62209-1:2016-07

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz)

**19.020                    Ispitni uvjeti i postupci općenito**

**Međunarodna normizacija**  
**IEC**

IEC/TR 62970:2016-06

Guidance on how to conduct round robin tests for household and similar electrical appliances

**19.080                    Električna i elektronička ispitivanja**

**Međunarodna normizacija**  
**IEC**

IEC 61180:2016-06

High-voltage test techniques for low-voltage equipment – Definitions, test and procedure requirements, test equipment

**19.100                    Nerazorna ispitivanja**

**Međunarodna normizacija**  
**ISO**

ISO 18211:2016-07

Non-destructive testing – Long-range inspection of above-ground pipelines and plant piping using guided wave testing with axial propagation

**19.120                    Analiza veličine čestica. Prosijavanje**

**Međunarodna normizacija**  
**ISO**

ISO 9044:2016-07

Industrial woven wire cloth – Technical requirements and tests

ISO 3310-1:2016-08

Test sieves – Technical requirements and testing – Part 1: Test sieves of metal wire cloth

## **21.060.30 Podložne pločice, osigurači**

### **Europska normizacija CEN**

EN ISO 4759-3:2016-06

Tolerances for fasteners – Part 3: Washers for bolts, screws and nuts – Product grades A, C and F  
(ISO 4759-3:2016)

### **Međunarodna normizacija ISO**

ISO 4759-3:2016-06

Tolerances for fasteners – Part 3: Washers for bolts, screws and nuts – Product grades A, C and F

## **23.020.01 Uređaji za skladištenje fluida općenito**

### **Europska normizacija CEN**

EN 13160-1:2016-07

Leak detection systems – Part 1: General Principles

EN 13160-2:2016-07

Leak detection systems – Part 2: Requirements and test/assessment methods for pressure and vacuum systems

EN 13160-3:2016-07

Leak detection systems – Part 3: Requirements and test/assessment methods for liquid systems for tanks

EN 13160-4:2016-07

Leak detection systems – Part 4: Requirements and test/assessment methods for sensor based leak detection systems

EN 13160-6:2016-07

Leak detection systems – Part 6: Sensors in monitoring wells

EN 13160-7:2016-07

Leak detection systems – Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets

## **23.020.10 Nepomični kontejneri i spremnici**

### **Europska normizacija CEN**

EN 13160-5:2016-07

Leak detection systems – Part 5: Requirements and test/assessment methods for in-tank gauge systems and pressurised pipework systems

EN 13616-1:2016-06

Overfill prevention devices for static tanks for liquid fuels – Part 1: Overfill prevention devices with closure device

EN 13616-2:2016-06

Overfill prevention devices for static tanks for liquid fuels – Part 2: Overfill prevention devices without a closure device

**23.020.20 Posude i kontejneri ugrađeni na vozila**

**Europska normizacija**

**CEN**

EN 14025+A1:2016-06

Tanks for the transport of dangerous goods – Metallic pressure tanks – Design and construction

**23.020.30 Tlačne posude, cilindrični plinski spremnici**

**Europska normizacija**

**CEN**

EN 16753:2016-06

Gas cylinders – Periodic inspection and testing, in situ (without dismantling) of refillable seamless steel tubes of water capacity between 150 l and 3000 l, used for compressed gases

**23.020.40 Kriogeničke posude**

**Europska normizacija**

**CEN**

EN ISO 21013-3:2016-06

Cryogenic vessels – Pressure-relief accessories for cryogenic service – Part 3: Sizing and capacity determination (ISO 21013-3:2016)

**23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito**

**Europska normizacija**

**CEN**

EN 13480-6/A1:2016-07

Metallic industrial piping – Part 6: Additional requirements for buried piping

**Međunarodna normizacija**

**ISO**

ISO 16486-4:2016-06

Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 4: Valves

**23.040.10 Cijevi od lijevanog željeza i čelika**

**Europska normizacija**

**CEN**

CEN/TR 16950:2016-07

Ductile iron pipes, fittings and accessories – Sanitary characteristics and test methods

## **23.040.15                    Cijevi od obojenih metala**

**Europska normizacija**  
**CEN**

EN 12735-1:2016-06

Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 1: Tubes for piping systems

EN 12735-2:2016-06

Copper and copper alloys – Seamless, round tubes for air conditioning and refrigeration – Part 2: Tubes for equipment

EN 13348:2016-06

Copper and copper alloys – Seamless, round copper tubes for medical gases or vacuum

## **23.040.40                    Metalne spojnice**

**Europska normizacija**  
**CEN**

CEN/TR 16950:2016-07

Ductile iron pipes, fittings and accessories – Sanitary characteristics and test methods

## **23.040.45                    Plastične spojnice**

**Međunarodna normizacija**  
**ISO**

ISO 17885 AMD 1:2016-08

Plastics piping systems – Mechanical fittings for pressure piping systems – Specifications; Amendment 1

## **23.040.70                    Crijeva i crijevni sklopovi**

**Europska normizacija**  
**CEN**

EN ISO 18752:2016-07

Rubber hoses and hose assemblies – Wire- or textile-reinforced single-pressure types for hydraulic applications – Specification (ISO 18752:2014)

## **23.040.99                    Ostali sastavni dijelovi za cjevovode**

**Europska normizacija**  
**CEN**

EN 13160-1:2016-07

Leak detection systems – Part 1: General Principles

EN 13160-2:2016-07

Leak detection systems – Part 2: Requirements and test/assessment methods for pressure and vacuum systems

EN 13160-3:2016-07

Leak detection systems – Part 3: Requirements and test/assessment methods for liquid systems for tanks

EN 13160-4:2016-07

Leak detection systems – Part 4: Requirements and test/assessment methods for sensor based leak detection systems

EN 13160-5:2016-07

Leak detection systems – Part 5: Requirements and test/assessment methods for in-tank gauge systems and pressurised pipework systems

EN 13160-6:2016-07

Leak detection systems – Part 6: Sensors in monitoring wells

EN 13160-7:2016-07

Leak detection systems – Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets

### **23.100.01**

### **Sustavi za hidraulički i pneumatski prijenos energije općenito**

#### **Međunarodna normizacija**

**ISO**

ISO 18582-1:2016-07

Fluid power – Specification of reference dictionary – Part 1: General overview on organization and structure

### **23.100.20**

### **Cilindri**

#### **Međunarodna normizacija**

**ISO**

ISO 16656:2016-08

Hydraulic fluid power – Single rod, short-stroke cylinders with bores from 32 mm to 100 mm for use at 10 MPa (100 bar) – Mounting dimensions

### **23.100.50**

### **Upravljački sastavni dijelovi**

#### **Međunarodna normizacija**

**ISO**

ISO 7368:2016-08

Hydraulic fluid power – Two-port slip-in cartridge valves – Cavities

### **23.100.60**

### **Filtri, brtve i onečišćenje fluida**

#### **Međunarodna normizacija**

**ISO**

ISO 3601-2:2016-07

Fluid power systems – O-rings – Part 2: Housing dimensions for general applications

**23.120                              Ventilatori. Klimatizacijski uređaji**

**Europska normizacija  
CENELEC**

EN 62610-5:2016-06

Mechanical structures for electrical and electronic equipment – Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 series – Part 5: Cooling performance evaluation for indoor cabinets (IEC 62610-5:2016)

**23.140                              Kompresori i pneumatski strojevi**

**Međunarodna normizacija  
ISO**

ISO 18740:2016-07

Turbocompressors – Performance test code – Simplified acceptance test

**25.040.40                        Mjerenje i upravljanje u industrijskim procesima**

**Međunarodna normizacija  
IEC**

IEC 61003-1:2016-06

Industrial-process control systems – Instruments with analogue inputs and two- or multi-position outputs – Part 1: Methods for evaluating performance

IEC 61010-2-202:2016-07

Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-202: Particular requirements for electrically operated valve actuators

IEC 61511-2:2016-07

Functional safety – Safety instrumented systems for the process industry sector – Part 2: Guidelines for the application of IEC 61511-1: 2016

IEC 61511-3:2016-07

Functional safety – Safety instrumented systems for the process industry sector – Part 3: Guidance for the determination of the required safety integrity levels

**25.080.60                        Strojne pile**

**Europska normizacija  
CEN**

EN 50632-2-5:2016-07

Electric motor-operated tools – Dust measurement procedure – Part 2-5: Particular requirements for circular saws

**25.100.20                        Alati za glodanje**

**Međunarodna normizacija  
ISO**

ISO 240:2016-08

Milling cutters – Interchangeability dimensions for cutter arbors or cutter mandrels

ISO 1641-1:2016-08  
End mills and slot drills – Part 1: Milling cutters with cylindrical shanks

**25.100.30 Svrđla, upuštači, razvrtači**

**Međunarodna normizacija**  
**ISO**

ISO 3293:2016-08  
Morse taper shank countersinks for angles 60 degrees, 90 degrees and 120 degrees inclusive

ISO 3294:2016-08  
Parallel shank countersinks for angles 60, 90 and 120 degrees inclusive

**25.120.40 Elektrokemijski strojevi**

**Europska normizacija**  
**CENELEC**

EN 50632-2-3:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-3: Particular requirements for concrete grinders and disk- type sanders

EN 50632-2-4:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-4: Particular requirements for sanders other than disk type

EN 50632-2-11:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-11: Particular requirements for jig and sabre saws

EN 50632-2-14:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-14: Particular requirements for planers

EN 50632-2-17:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-17: Particular requirements for routers and trimmers

EN 50632-2-19:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 2-19: Particular requirements for jointers

**Međunarodna normizacija**  
**IEC**

IEC 62841-3-10 Corrigendum 1:2016-07  
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-10: Particular requirements for transportable cut-off machines; Corrigendum 1

## **25.140.20                    Električni alati**

### **Europska normizacija CENELEC**

EN 62841-3-4:2016-06

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders (IEC 62841-3-4:2016, modified)

## **25.160.01                    Zavarivanje, meko i tvrdo lemljenje općenito**

### **Europska normizacija CEN**

EN ISO 15012-4:2016-07

Health and safety in welding and allied processes – Equipment for capture and separation of welding fume – Part 4: General requirements (ISO 15012-4:2016)

### **Međunarodna normizacija ISO**

ISO 15012-4:2016-06

Health and safety in welding and allied processes – Equipment for capture and separation of welding fume – Part 4: General requirements

## **25.160.10                    Procesi zavarivanja**

### **Međunarodna normizacija ISO**

ISO 857-1:1998-12

Welding and allied processes – Vocabulary – Part 1: Metal welding processes

## **25.160.20                    Dodatni i potrošni materijali za zavarivanje**

### **Europska normizacija CEN**

EN ISO 17777:2016-06

Welding consumables – Covered electrodes for manual metal arc welding of copper and copper alloys – Classification (ISO 17777:2016)

EN ISO 19288:2016-06

Welding consumables – Solid wire electrodes, solid wires and rods for fusion welding of magnesium and magnesium alloys – Classification (ISO 19288:2016)

EN ISO 3581:2016-07

Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resistant steels – Classification (ISO 3581:2016)

EN ISO 14171:2016-07

Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification (ISO 14171:2016)

**Međunarodna normizacija**  
**ISO**

ISO 3581:2016-07

Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification

ISO 14171:2016-07

Welding consumables – Solid wire electrodes, tubular cored electrodes and electrode/flux combinations for submerged arc welding of non alloy and fine grain steels – Classification

ISO 5182:2016-08

Resistance welding – Materials for electrodes and ancillary equipment

**25.160.30                    Oprema za zavarivanje**

**Međunarodna normizacija**  
**ISO**

IEC 60974-4:2016-07

Arc welding equipment – Part 4: Periodic inspection and testing

**25.160.40                    Zavareni spojevi i zavari**

**Europska normizacija**  
**CEN**

EN ISO 9692-3:2016-07

Welding and allied processes – Types of joint preparation – Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys (ISO 9692-3:2016)

**Međunarodna normizacija**  
**ISO**

ISO 9692-3:2016-06

Welding and allied processes – Types of joint preparation – Part 3: Metal inert gas welding and tungsten inert gas welding of aluminium and its alloys

**25.160.50                    Tvrdo i meko lemljenje**

**Međunarodna normizacija**  
**ISO**

IEC 62739-2:2016-07

Test method for erosion of wave soldering equipment using molten lead-free solder alloy – Part 2: Erosion test method for metal materials with surface processing

**27.010                    Tehnika prijenosa energije i topline općenito**

**Međunarodna normizacija  
ISO**

ISO 17743:2016-06

Energy savings – Definition of a methodological framework applicable to calculation and reporting on energy savings

**IEC**

IEC 62325-351:2016-06

Framework for energy market communications – Part 351: CIM European market model exchange profile

**27.020                    Motori s unutrašnjim izgaranjem**

**Europska normizacija  
CEN**

EN ISO 8528-13:2016-06

Reciprocating internal combustion engine driven alternating current generating sets – Part 13: Safety (ISO 8528-13:2016)

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

**Međunarodna normizacija  
ISO**

ISO 19859:2016-06

Gas turbine applications – Requirements for power generation

**27.060.20                Plinski plamenici**

**Međunarodna normizacija  
ISO**

ISO 23551-10:2016-08

Safety and control devices for gas burners and gas-burning appliances – Particular requirements – Part 10: Vent valves

**27.060.30                Kotlovi i izmjenjivači topline**

**Europska normizacija  
CEN**

EN 1397/AC:2016-06

Heat exchangers – Hydronic room fan coil units – Test procedures for establishing the performance

## **27.160 Solarna energetika**

### **Europska normizacija CENELEC**

EN 61215-1-1:2016-06

Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-1: Special requirements for testing of crystalline silicon photovoltaic (PV) Modules (IEC 61215-1-1:2016)

EN 62788-1-2:2016-06

Measurement procedures for materials used in photovoltaic modules – Part 1-2: Encapsulants – Measurement of volume resistivity of photovoltaic encapsulants and other polymeric materials (IEC 62788-1-2:2016)

### **Međunarodna normizacija IEC**

IEC 62788-1-5:2016-06

Measurement procedures for materials used in photovoltaic modules – Part 1-5: Encapsulants – Measurement of change in linear dimensions of sheet encapsulation material resulting from applied thermal conditions

## **27.220 Upotreba otpadne topline. Toplinska izolacija**

### **Međunarodna normizacija ISO**

ISO 16957:2016-06

Measurement of apparent thermal conductivity of wet porous building materials by a periodic method

## **29.020 Elektrotehnika općenito**

### **Europska normizacija CENELEC**

EN 61882:2016-06

Hazard and operability studies (HAZOP studies) – Application guide (IEC 61882:2016)

### **Međunarodna normizacija IEC**

IEC 61180:2016-06

High-voltage test techniques for low-voltage equipment – Definitions, test and procedure requirements, test equipment

IEC/TR 63039:2016-07

Probabilistic risk analysis of technological systems – Estimation of final event rate at a given initial state

**29.030                    Magnetni materijali**

**Europska normizacija  
CENELEC**

EN 60556/A1:2016-06

Gyromagnetic materials intended for application at microwave frequencies – Measuring methods for properties (IEC 60556:2006/A1:2016)

**29.035.01                Izolacijski materijali općenito**

**Europska normizacija  
CENELEC**

EN 62631-3-1:2016-06

Dielectric and resistive properties of solid insulating materials – Part 3-1: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – General method (IEC 62631-3-1:2016)

**29.060.10                Žice**

**Međunarodna normizacija  
ISO**

IEC 60851-4:2016-07

Winding wires – Test methods – Part 4: Chemical properties

**29.060.20                Kabeli**

**Europska normizacija  
CENELEC**

EN 50399/A1:2016-06

Common test methods for cables under fire conditions – Heat release and smoke production measurement on cables during flame spread test – Test apparatus, procedures, results

EN 60702-3:2016-06

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 3: Guidance for use (IEC 60702-3:2016)

**29.080.10                Izolatori**

**Europska normizacija  
CENELEC**

EN 61466-1:2016-07

Composite string insulator units for overhead lines with a nominal voltage greater than 1000 V – Part 1: Standard strength classes and end fittings (IEC 61466-1:2016)

## **29.100.10                    Magnetski sastavni dijelovi**

**Međunarodna normizacija**  
**IEC**

IEC 62317-4 Corrigendum 1:2016-07  
Ferrite cores – Dimensions – Part 4: RM-cores made of ferrite and associated parts; Corrigendum 1

## **29.120.40                    Sklopke**

**Međunarodna normizacija**  
**IEC**

IEC 61058-2-6:2016-06  
Switches for appliances – Part 2-6: Particular requirements for switches used in electric motor-operated hand-held tools, transportable tools and lawn and garden machinery

IEC 61058-1:2016-07  
Switches for appliances – Part 1: General requirements

## **29.120.50                    Osigurači i ostale naprave za nadstrujnu zaštitu**

**Europska normizacija**  
**CENELEC**

EN 61008-1/A1/AC:2016-06  
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules (IEC 61008-1:2010/A1:2012/COR1:2016)

**Međunarodna normizacija**  
**IEC**

IEC 62848-1:2016-06  
Railway applications – DC surge arresters and voltage limiting devices – Part 1: Metal-oxide surge arresters without gaps

## **29.130.10                    Visokonaponski rasklopni i upravljački uređaji**

**Međunarodna normizacija**  
**IEC**

IEC 62361-100:2016-06  
Power systems management and associated information exchange – Interoperability in the long term – Part 100: CIM profiles to XML schema mapping

## **29.130.20                    Niskonaponski rasklopni i upravljački uređaji**

**Europska normizacija**  
**CENELEC**

EN 50152-3-2:2016-06  
Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-2: Measurement, control and protection devices for specific use in a.c. traction systems – Current transformers

EN 50152-3-3:2016-06

Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-3: Measurement, control and protection devices for specific use in a.c. traction systems – Voltage transformers

**Međunarodna normizacija**

**IEC**

IEC 60947-2:2016-06

Low-voltage switchgear and controlgear – Part 2: Circuit-breakers

IEC 60947-5-1 Corrigendum 1:2016-07

Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices; Corrigendum 1

**29.140.10 Kape i držači svjetiljki**

**Međunarodna normizacija**

**IEC**

IEC 60238:2016-07

Edison screw lampholders

**29.140.20 Svjetiljke sa žarnom niti**

**Europska normizacija**

**CENELEC**

EN 60357/A11:2016-06

Tungsten halogen lamps (non-vehicle) – Performance specifications

**29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem**

**Europska normizacija**

**CENELEC**

EN 61167:2016-06

Metal halide lamps – Performance specification (IEC 61167:2015, modified)

**29.140.99 Ostale norme koje se odnose na svjetiljke**

**Međunarodna normizacija**

**IEC**

IEC 61347-2-3 AMD 1:2016-07

Lamp control gear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps; Amendment 1

IEC 61347-2-3 Edition 2.1:2016-07

Lamp control gear – Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps

IEC 61347-2-13 AMD 1:2016-07

Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules; Amendment 1

IEC 61347-2-13 Edition 2.1:2016-07

Lamp controlgear – Part 2-13: Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules

#### **29.160.01                    Rotacijski strojevi općenito**

**Europska normizacija**

**CENELEC**

EN 60034-27-3:2016-06

Rotating electrical machines – Part 27-3: Dielectric dissipation factor measurement on stator winding insulation of rotating electrical machines (IEC 60034-27-3:2015)

#### **29.160.40                    Električni agregati**

**Europska normizacija**

**CENELEC**

EN ISO 8528-13:2016-06

Reciprocating internal combustion engine driven alternating current generating sets – Part 13: Safety (ISO 8528-13:2016)

#### **29.160.99                    Ostale norme koje se odnose na rotacijske strojeve**

**Međunarodna normizacija**

**ISO**

ISO 19859:2016-06

Gas turbine applications – Requirements for power generation

#### **29.180                        Transformatori. Prigušnice**

**Europska normizacija**

**CENELEC**

EN 50588-1/A1:2016-06

Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements

EN 50629/A1:2016-06

Energy performance of large power transformers (Um > 36 kV or Sr 40 MVA)

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

**Međunarodna normizacija**

**IEC**

IEC 60335-2-29:2016-06

Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers

IEC 62477-1 AMD 1: 2016-07

Safety requirements for power electronic converter systems and equipment – Part 1: General; Amendment 1

IEC 62477-1 Edition 1.1:2016-07

Safety requirements for power electronic converter systems and equipment – Part 1: General

## 29.220.10

### Primarni članci i baterije

#### Međunarodna normizacija

IEC

IEC 60086-5:2016-07

Primary batteries – Part 5: Safety of batteries with aqueous electrolyte

## 29.260.20

### Električni uređaji za eksplozivnu atmosferu

#### Europska normizacija

CENELEC

EN 13160-1:2016-07

Leak detection systems – Part 1: General Principles

EN 13160-2:2016-07

Leak detection systems – Part 2: Requirements and test/assessment methods for pressure and vacuum systems

EN 13160-4:2016-07

Leak detection systems – Part 4: Requirements and test/assessment methods for sensor based leak detection systems

EN 13160-6:2016-07

Leak detection systems – Part 6: Sensors in monitoring wells

EN 13160-7:2016-07

Leak detection systems – Part 7: Requirements and test/assessment methods for interstitial spaces, leak detection linings and leak detection jackets

EN 50628:2016-07

Erection of electrical installations in underground mines

#### Međunarodna normizacija

IEC

IEC 60079-11 Interpretation Sheet 2:2016-07

Explosive atmospheres – Part 11: Equipment protection by intrinsic safety „i“; Interpretation sheet 2

IEC 60079-11 Interpretation Sheet 3:2016-07

Explosive atmospheres – Part 11: Equipment protection by intrinsic safety „i“; Interpretation sheet 3

IEC 60079-29-1:2016-07

Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases

## **29.280 Oprema za električnu vuču**

### **Europska normizacija CENELEC**

EN 50152-3-2:2016-06

Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-2: Measurement, control and protection devices for specific use in a.c. traction systems – Current transformers

EN 50152-3-3:2016-06

Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-3: Measurement, control and protection devices for specific use in a.c. traction systems – Voltage transformers

### **Međunarodna normizacija**

**IEC**

IEC 62848-1:2016-06

Railway applications – DC surge arresters and voltage limiting devices – Part 1: Metal-oxide surge arresters without gaps

## **31.020 Elektronički sastavni dijelovi općenito**

### **Međunarodna normizacija**

**IEC**

IEC/PAS 62686-2:2016-07

Process management for avionics – Electronic components for aerospace, defence and high performance (ADHP) applications – Part 2: General requirements for passive components

## **31.040.01 Otpornici općenito**

### **Međunarodna normizacija**

**IEC**

IEC 60062:2016-07

Marking codes for resistors and capacitors

## **31.040.10 Nepromjenjivi otpornici**

### **Europska normizacija**

**CENELEC**

EN 60195:2016-07

Method of measurement of current noise generated in fixed resistors (IEC 60195:2016)

## **31.040.30 Termistori**

### **Europska normizacija**

**CENELEC**

EN 60539-1:2016-07

Directly heated negative temperature coefficient thermistors – Part 1: Generic specification (IEC 60539-1:2016)

## **31.060.01 Kondenzatori općenito**

**Međunarodna normizacija**  
**IEC**

IEC 60062:2016-07  
Marking codes for resistors and capacitors

## **31.060.10 Nepromjenjivi kondenzatori**

**Međunarodna normizacija**  
**IEC**

IEC 60384-14 AMD 1:2016-07  
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains; Amendment 1

IEC 60384-14 Edition 4.1:2016-07  
Fixed capacitors for use in electronic equipment – Part 14: Sectional specification – Fixed capacitors for electromagnetic interference suppression and connection to the supply mains

## **31.060.40 Tantalovi elektrolitski kondenzatori**

**Međunarodna normizacija**  
**IEC**

IEC 60384-3:2016-07  
Fixed capacitors for use in electronic equipment – Part 3: Sectional specification – Surface mount fixed tantalum electrolytic capacitors with solid (MnO<sub>2</sub>) electrolyte

## **31.060.70 Energetski kondenzatori**

**Međunarodna normizacija**  
**IEC**

IEC 62146-1 AMD 1:2016-06  
Grading capacitors for high-voltage alternating current circuit-breakers – Part 1: General

IEC 62146-1 Edition 1.1:2016-06  
Grading capacitors for high-voltage alternating current circuit-breakers – Part 1: General

## **31.080.01 Poluvodičke naprave općenito**

**Europska normizacija**  
**CENELEC**

EN 62779-1:2016-06  
Semiconductor devices – Semiconductor interface for human body communication – Part 1: General requirements (IEC 62779-1:2016)

EN 62779-3:2016-06  
Semiconductor devices – Semiconductor interface for human body communication – Part 3: Functional type and its operational conditions (IEC 62779-3:2016)

**Međunarodna normizacija**  
**IEC**

IEC/PAS 63015:2016-06  
Definition of „Low-Halogen“ for electronic products

IEC 60749-44:2016-07  
Semiconductor devices – Mechanical and climatic test methods – Part 44: Neutron beam irradiated single event effect (SEE) test method for semiconductor devices

**31.080.20**                  **Tiristori**

**Međunarodna normizacija**  
**IEC**

IEC 60700-2:2016-06  
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology

**31.080.99**                  **Ostale poluvodičke naprave**

**Međunarodna normizacija**  
**IEC**

IEC 62477-1 AMD 1:2016-07  
Safety requirements for power electronic converter systems and equipment – Part 1: General; Amendment 1

IEC 62477-1 Edition 1.1:2016-07  
Safety requirements for power electronic converter systems and equipment – Part 1: General

**31.160**                  **Električni filtri**

**Međunarodna normizacija**  
**IEC**

IEC/TR 62001-2:2016-07  
High-voltage direct current (HVDC) systems – Guidance to the specification and design evaluation of AC filters – Part 2: Performance

**31.180**                  **Tiskani krugovi i pločice**

**Europska normizacija**  
**CENELEC**

EN 61249-2-43:2016-07  
Materials for printed boards and other interconnecting structures – Part 2-43: Reinforced base materials clad and unclad – Non-halogenated epoxide cellulose paper/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-43:2016)

EN 61249-2-44:2016-07  
Materials for printed boards and other interconnecting structures – Part 2-44: Reinforced base materials clad and unclad – Non-halogenated epoxide non-woven/woven E-glass reinforced laminate sheets of defined flammability (vertical burning test), copper-clad for lead-free assembly (IEC 61249-2-44:2016)

**Međunarodna normizacija**  
**IEC**

IEC 61189-2-719:2016-07

Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-719: Test methods for materials for interconnection structures – Relative permittivity and loss tangent (500 MHz to 10 GHz)

IEC 61189-2-719:2016-07

Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 2-719: Test methods for materials for interconnection structures – Relative permittivity and loss tangent (500 MHz to 10 GHz)

**31.240 Mehaničke konstrukcije za električku opremu**

**Europska normizacija**  
**CENELEC**

EN 62610-5:2016-06

Mechanical structures for electrical and electronic equipment – Thermal management for cabinets in accordance with IEC 60297 and IEC 60917 series – Part 5: Cooling performance evaluation for indoor cabinets

**31.260 Optoelektronika. Laserska oprema**

**Europska normizacija**  
**CENELEC**

EN 62572-3:2016-06

Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:2016)

**Međunarodna normizacija**  
**IEC**

IEC 62906-5-2:2016-06

Laser display devices – Part 5-2: Optical measuring methods of speckle contrast

**33.020 Telekomunikacije općenito**

**Europska normizacija**  
**ETSI**

ETSI ES 201873-1 V 4.8.1:2016-07

Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 1: TTCN-3 Core Language

ETSI ES 201873-4 V 4.5.1:2016-07

Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 4: TTCN-3 Operational Semantics

ETSI ES 201873-6 V 4.8.1:2016-07

Methods for Testing and Specification (MTS) – The Testing and Test Control Notation version 3 – Part 6: TTCN-3 Control Interface (TCI)

**33.040.01**

**Telekomunikacijski sustavi općenito**

**Europska normizacija**

**ETSI**

ETSI TS 102250-2 V 2.5.1:2016-06

Speech and multimedia Transmission Quality (STQ) – QoS aspects for popular services in mobile networks – Part 2: Definition of Quality of Service parameters and their computation

ETSI TR 119124-1 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Testing Conformance and Interoperability – Part 1: Overview

ETSI TS 119124-2 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Testing Conformance and Interoperability – Part 2: Test suites for testing interoperability of CAdES baseline signatures

ETSI TS 119124-3 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Testing Conformance and Interoperability – Part 3: Test suites for testing interoperability of extended CAdES signatures

ETSI TS 119124-4 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Testing Conformance and Interoperability – Part 4: Testing Conformance of CAdES baseline signatures

ETSI TS 119124-5 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – CAdES digital signatures – Testing Conformance and Interoperability – Part 5: Testing Conformance of extended CAdES signatures

ETSI TR 119134-1 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Testing Conformance and Interoperability – Part 1: Overview

ETSI TS 119134-2 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Testing Conformance and Interoperability – Part 2: Test suites for testing interoperability of XAdES baseline signatures

ETSI TS 119134-3 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Testing Conformance and Interoperability – Part 3: Test suites for testing interoperability of extended XAdES signatures

ETSI TS 119134-4 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Testing Conformance and Interoperability – Part 4: Testing Conformance of XAdES baseline signatures

ETSI TS 119134-5 V 2.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Testing Conformance and Interoperability – Part 5: Testing Conformance of extended XAdES signatures

ETSI TR 119144-1 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Testing Conformance and Interoperability – Part 1: Overview

ETSI TS 119144-2 V 2.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Testing Conformance and Interoperability – Part 2: Test suites for testing interoperability of PAdES baseline signatures

ETSI TS 119144-3 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Testing Conformance and Interoperability – Part 3: Test suites for testing interoperability of additional PAdES signatures

ETSI TS 119144-4 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Testing Conformance and Interoperability – Part 4: Testing Conformance of PAdES baseline signatures

ETSI TS 119144-5 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Testing Conformance and Interoperability – Part 5: Testing Conformance of additional PAdES signatures

ETSI TR 119164-1 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC) – Testing Conformance and Interoperability – Part 1: Overview

ETSI TS 119164-2 V 2.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC) – Testing Conformance and Interoperability – Part 2: Test suites for testing interoperability of ASiC baseline containers

ETSI TS 119164-3 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC) – Testing Compliance and Interoperability – Part 3: Test suites for testing interoperability of ASiC containers other than baseline

ETSI TS 119164-4 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC) – Testing Compliance and Interoperability – Part 4: Testing Conformance of ASiC baseline containers

ETSI TS 119164-5 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Associated Signature Containers (ASiC) – Testing Compliance and Interoperability – Part 5: Testing Conformance of additional ASiC containers

ETSI TS 119614-1 V 1.1.1:2016-06

Electronic Signatures and Infrastructures (ESI) – Testing Conformance and Interoperability of Trusted Lists – Part 1: Specifications for testing conformance of XML representation of Trusted Lists

### **33.040.35**

### **Telefonske mreže**

#### **Europska normizacija**

**ETSI**

ETSI TR 102503 V 1.10.1:2016-08

Lawful Interception (LI) – ASN.1 Object Identifiers in Lawful Interception and Retained data handling Specifications

### **33.040.40 Mreže za prijenos podataka**

#### **Europska normizacija ETSI**

ETSI GS NFV-IFA 009 V 1.1.1:2016-07

Network Functions Virtualisation (NFV) – Management and Orchestration – Report on Architectural Options

ETSI GS NFV-REL 003 V 1.1.2:2016-07

Network Functions Virtualisation (NFV) – Reliability – Report on Models and Features for End-to-End Reliability

ETSI TR 183069 V 3.0.0:2016-07

Network Technologies (NTECH) – Business Trunking – NGCN-NGN Interfaces Implementation Guide

### **33.040.99 Ostala oprema za komunikacijske sustave**

#### **Europska normizacija ETSI**

ETSI EG 203310 V 1.1.1:2016-06

CYBER – Quantum Computing Impact on security of ICT Systems – Recommendations on Business Continuity and Algorithm Selection

ETSI TS 103289-1 V 2.1.1:2016-07

Core Network and Interoperability Testing (INT) – Diameter Conformance testing for Cx and Dx interfaces – (3GPPTM Release 10) – Part 1: Protocol Implementation Conformance Statement (PICS)

ETSI TS 103289-2 V 2.1.1:2016-07

Core Network and Interoperability Testing (INT) – Diameter Conformance testing for Cx and Dx interfaces – (3GPPTM Release 10) – Part 2: Test Suite Structure (TSS) and Test Purposes (TP)

ETSI TS 103289-3 V 2.1.1:2016-07

Core Network and Interoperability Testing (INT) – Diameter Conformance testing for Cx and Dx interfaces – (3GPPTM Release 10) – Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma specification

ETSI TR 103304 V 1.1.1:2016-07

CYBER – Personally Identifiable Information (PII) Protection in mobile and cloud services

ETSI TR 103305-1 V 2.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 1: The Critical Security Controls

ETSI TR 103305-2 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 2: Measurement and auditing

ETSI TR 103305-3 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 3: Service Sector Implementations

ETSI TR 103305-4 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 4: Facilitation Mechanisms

ETSI TR 103331 V 1.1.1:2016-08

CYBER – Structured threat information sharing

ETSI TR 103369 V 1.1.1:2016-07

CYBER – Design requirements ecosystem

### **33.050.01                    Telekomunikacijska terminalna oprema općenito**

**Europska normizacija  
ETSI**

ETSI TS 103429 V 1.1.1:2016-07  
Integrated broadband cable telecommunication networks (CABLE) – Cable Customer Premises Equipment (CPE) with Integrated Radio and Non-Radio Interfaces – Technical Specification covering the cable equipment technical requirements in support of Harmonised Standards for the essential requirements of article 3.1b of the Directive 2014/53/EU

### **33.060.01                    Radiokomunikacije općenito**

**Europska normizacija  
CENELEC**

EN 303339 V 1.1.1:2016-06  
Broadband Direct Air-to-Ground Communications – Equipment operating in the 1900 MHz to 1920 MHz and 5855 MHz to 5875 MHz frequency bands – Fixed pattern antennas – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

**ETSI**

ETSI TR 103087 V 1.1.1:2016-06  
Reconfigurable Radio Systems (RRS) – Security related use cases and threats in Reconfigurable Radio Systems

### **33.060.20                    Prijamna i odašiljačka oprema**

**Europska normizacija  
CENELEC**

EN 300065 V 2.1.2:2016-06  
Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU

EN 302195 V 2.1.1:2016-06  
Short Range Devices (SRD) – Ultra Low Power Active Medical Implants (ULP-AMI) and accessories (ULP-AMI-P) operating in the frequency range 9 kHz to 315 kHz Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301908-1 V 11.1.1:2016-07  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Introduction and common requirements

EN 301908-3 V 11.1.2:2016-07  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

EN 301908-13 V 11.1.1:2016-07  
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

EN 301908-18 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 18: E-UTRA, UTRA and GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)

EN 301908-22 V 6.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 22: OFDMA TDD WMAN (Mobile WiMAXTM) FDD Base Stations (BS)

### **33.060.30**

#### **Radioreleji i nepomični satelitski komunikacijski sustavi**

**Europska normizacija**

**CENELEC**

EN 301360 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit, operating in the 27,5 GHz to 29,5 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301908-22 V 6.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 22: OFDMA TDD WMAN (Mobile WiMAXTM) FDD Base Stations (BS)

**Europska normizacija**

**ETSI**

ETSI TR 101506 V 2.1.1:2016-07

Fixed Radio Systems – Generic definitions, terminology and applicability of essential requirements covering article 3.2 of Directive 2014/53/EU to Fixed Radio Systems

### **33.060.40**

#### **Kabelski distribucijski sustavi**

**Međunarodna normizacija**

**ISO**

IEC 60728-11 Corrigendum 1:2016-06

Cable networks for television signals, sound signals and interactive services – Part 11: Safety; Corrigendum 1

### **33.060.99**

#### **Ostala oprema za radiokomunikacije**

**Europska normizacija**

**CENELEC**

EN 303146-2 V 1.2.1:2016-06

Reconfigurable Radio Systems (RRS) – Mobile Device (MD) information models and protocols – Part 2: Reconfigurable Radio Frequency Interface (RRFI)

### **33.070.01 Usluge pokretne mreže općenito**

#### **Europska normizacija CENELEC**

EN 301502 V 12.5.1:2016-07

Global System for Mobile communications (GSM) – Base Station (BS) equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301908-2 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)

EN 301908-3 V 11.1.2:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

EN 301908-13 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

EN 301908-22 V 6.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 22: OFDMA TDD WMAN (Mobile WiMAX™) FDD Base Stations (BS)

#### **ETSI**

ETSI TS 103428 V 1.1.1:2016-06

Mobile Standards Group (MSG) – eCall HLAP Interoperability Testing

#### **Međunarodna normizacija ISO**

IEC 62209-1:2016-07

Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz)

### **33.070.10 Terestrijalni trunking radio (TETRA)**

#### **Europska normizacija CENELEC**

EN 300392-3-5 V 1.5.1:2016-06

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 3: Interworking at the Inter-System Interface (ISI) – Sub-part 5: Additional Network Feature for Mobility Management (ANF-ISIMM)

EN 300392-2 V 3.8.1:2016-08

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 2: Air Interface (AI)

EN 300392-12-4 V 1.4.1:2016-07

Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 4: Call Forwarding (CF)

### **33.070.40 Sateliti**

#### **Europska normizacija CENELEC**

EN 301360 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Satellite Interactive Terminals (SIT) and Satellite User Terminals (SUT) transmitting towards satellites in geostationary orbit, operating in the 27,5 GHz to 29,5 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301427 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for low data rate Mobile satellite Earth Stations (MES) except aeronautical mobile satellite earth stations, operating in the 11/12/14 GHz frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301441 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES), including handheld earth stations, for Satellite Personal Communications Networks (S-PCN) operating in the 1,6 GHz/2,4 GHz frequency band under the Mobile Satellite Service (MSS) covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 302574-1 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Complementary Ground Component (CGC) for wideband systems

EN 302574-2 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: User Equipment (UE) for wideband systems

EN 302574-3 V 2.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Harmonised Standard for Mobile Earth Stations (MES) operating in the 1980 MHz to 2010 MHz (earth-to-space) and 2170 MHz to 2200 MHz (space-to-earth) frequency bands covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: User Equipment (UE) for narrowband systems

#### **ETSI**

ETSI TR 103352 V 1.1.1:2016-06

Satellite Earth Stations and Systems (SES) – Energy efficiency of satellite broadband network

ETSI TR 103353 V 1.1.1:2016-07

Satellite Earth Stations and Systems (SES) – Environmental impact of satellite broadband network – Full LCA (Life Cycle Assessment)

### **33.070.50**

### **Globalni sustavi za pokretnе komunikacije (GSM)**

#### **Europska normizacija CENELEC**

EN 301502 V 12.5.1:2016-07

Global System for Mobile communications (GSM) – Base Station (BS) equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301908-2 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: CDMA Direct Spread (UTRA FDD) User Equipment (UE)

## **ETSI**

ETSI TS 134229-3 V 11.3.0:2016-06

Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 11.3.0 Release 11)

ETSI TS 136521-2 V 13.1.0:2016-06

LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 13.1.0 Release 13)

ETSI TR 121905 V 13.1.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Vocabulary for 3GPP Specifications (3GPP TR 21.905 version 13.1.0 Release 13)

ETSI TS 122011 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Service accessibility (3GPP TS 22.011 version 13.6.0 Release 13)

ETSI TS 122101 V 13.9.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Service aspects – Service principles (3GPP TS 22.101 version 13.9.0 Release 13)

ETSI TS 122278 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Service requirements for the Evolved Packet System (EPS) (3GPP TS 22.278 version 13.3.0 Release 13)

ETSI TS 123002 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Network architecture (3GPP TS 23.002 version 13.6.0 Release 13)

ETSI TS 123003 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Numbering, addressing and identification (3GPP TS 23.003 version 13.6.0 Release 13)

ETSI TS 123007 V 13.5.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Restoration procedures (3GPP TS 23.007 version 13.5.0 Release 13)

ETSI TS 123008 V 11.13.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 11.13.0 Release 11)

ETSI TS 123008 V 12.11.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 12.11.0 Release 12)

ETSI TS 123008 V 13.5.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Organization of subscriber data (3GPP TS 23.008 version 13.5.0 Release 13)

ETSI TS 123060 V 13.7.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – Service description – Stage 2 (3GPP TS 23.060 version 13.7.0 Release 13)

ETSI TS 123122 V 12.9.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 12.9.0 Release 12)

ETSI TS 123122 V 13.5.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 13.5.0 Release 13)

ETSI TS 123203 V 13.8.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Policy and charging control architecture (3GPP TS 23.203 version 13.8.0 Release 13)

ETSI TS 123204 V 12.5.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access – Stage 2 (3GPP TS 23.204 version 12.5.0 Release 12)

ETSI TS 123204 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Support of Short Message Service (SMS) over generic 3GPP Internet Protocol (IP) access – Stage 2 (3GPP TS 23.204 version 13.1.0 Release 13)

ETSI TS 123216 V 12.4.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Single Radio Voice Call Continuity (SRVCC) – Stage 2 (3GPP TS 23.216 version 12.4.0 Release 12)

ETSI TS 123228 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 13.6.0 Release 13)

ETSI TS 123251 V 13.2.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Network sharing – Architecture and functional description (3GPP TS 23.251 version 13.2.0 Release 13)

ETSI TS 123272 V 13.4.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Circuit Switched (CS) fallback in Evolved Packet System (EPS) – Stage 2 (3GPP TS 23.272 version 13.4.0 Release 13)

ETSI TS 123303 V 13.4.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-based services (ProSe) – Stage 2 (3GPP TS 23.303 version 13.4.0 Release 13)

ETSI TS 123333 V 13.2.1:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 13.2.1 Release 13)

ETSI TS 123380 V 13.3.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Restoration Procedures (3GPP TS 23.380 version 13.3.0 Release 13)

ETSI TS 123401 V 13.7.0:2016-07

LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 13.7.0 Release 13)

ETSI TS 123402 V 12.10.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 12.10.0 Release 12)

ETSI TS 123402 V 13.6.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for non-3GPP accesses (3GPP TS 23.402 version 13.6.0 Release 13)

ETSI TS 123682 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 13.6.0 Release 13)

ETSI TS 124008 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobile radio interface Layer 3 specification – Core network protocols – Stage 3 (3GPP TS 24.008 version 13.6.0 Release 13)

ETSI TS 124139 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP system – fixed broadband access network interworking – Stage 3 (3GPP TS 24.139 version 13.1.0 Release 13)

ETSI TS 124173 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IMS Multimedia telephony communication service and supplementary services – Stage 3 (3GPP TS 24.173 version 13.1.0 Release 13)

ETSI TS 124229 V 10.23.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 10.23.0 Release 10)

ETSI TS 124229 V 11.20.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 11.20.0 Release 11)

ETSI TS 124229 V 12.13.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 12.13.0 Release 12)

ETSI TS 124229 V 13.6.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 13.6.0 Release 13)

ETSI TS 124237 V 12.13.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity – Stage 3 (3GPP TS 24.237 version 12.13.0 Release 12)

ETSI TS 124237 V 13.5.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) service continuity – Stage 3 (3GPP TS 24.237 version 13.5.0 Release 13)

ETSI TS 124244 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Wireless LAN control plane protocol for trusted WLAN access to EPC – Stage 3 (3GPP TS 24.244 version 13.3.0 Release 13)

ETSI TS 124292 V 12.9.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS) – Stage 3 (3GPP TS 24.292 version 12.9.0 Release 12)

ETSI TS 124292 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem Centralized Services (ICS) – Stage 3 (3GPP TS 24.292 version 13.3.0 Release 13)

ETSI TS 124302 V 13.6.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Access to the 3GPP Evolved Packet Core (EPC) via non-3GPP access networks – Stage 3 (3GPP TS 24.302 version 13.6.0 Release 13)

ETSI TS 124312 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Access Network Discovery and Selection Function (ANDSF) Management Object (MO) (3GPP TS 24.312 version 13.3.0 Release 13)

ETSI TS 124333 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) Management Objects (MO) (3GPP TS 24.333 version 13.3.0 Release 13)

ETSI TS 124334 V 13.4.1:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Proximity-services (ProSe) User Equipment (UE) to ProSe function protocol aspects – Stage 3 (3GPP TS 24.334 version 13.4.1 Release 13)

ETSI TS 124337 V 12.2.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 12.2.0 Release 12)

ETSI TS 124337 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Core Network (CN) subsystem IP Multimedia Subsystem (IMS) inter-UE transfer – Stage 3 (3GPP TS 24.337 version 13.1.0 Release 13)

ETSI TS 124341 V 12.7.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Support of SMS over IP networks – Stage 3 (3GPP TS 24.341 version 12.7.0 Release 12)

ETSI TS 124341 V 13.1.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Support of SMS over IP networks – Stage 3 (3GPP TS 24.341 version 13.1.0 Release 13)

ETSI TS 124368 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Non-Access Stratum (NAS)  
configuration Management Object (MO) (3GPP TS 24.368 version 13.3.0 Release 13)

ETSI TS 124390 V 12.5.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Unstructured Supplementary Service  
Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem IMS – Stage 3 (3GPP TS  
24.390 version 12.5.0 Release 12)

ETSI TS 124390 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Unstructured Supplementary Service  
Data (USSD) using IP Multimedia (IM) Core Network (CN) subsystem IMS – Stage 3 (3GPP TS  
24.390 version 13.1.0 Release 13)

ETSI TS 124525 V 12.2.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Business trunking – Architecture and  
functional description (3GPP TS 24.525 version 12.2.0 Release 12)

ETSI TS 124525 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Business trunking – Architecture and  
functional description (3GPP TS 24.525 version 13.1.0 Release 13)

ETSI TS 124628 V 12.4.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications  
System (UMTS) – LTE – Common Basic Communication procedures using IP Multimedia (IM) Core  
Network (CN) subsystem – Protocol specification (3GPP TS 24.628 version 12.4.0 Release 12)

ETSI TS 124628 V 13.2.0:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications  
System (UMTS) – LTE – Common Basic Communication procedures using IP Multimedia (IM) Core  
Network (CN) subsystem – Protocol specification (3GPP TS 24.628 version 13.2.0 Release 13)

ETSI TS 125104 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Base Station (BS) radio transmission and  
reception (FDD) (3GPP TS 25.104 version 13.3.0 Release 13)

ETSI TS 125113 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Base station (BS) and repeater  
electromagnetic compatibility (EMC) (3GPP TS 25.113 version 13.1.0 Release 13)

ETSI TS 125141 V 12.9.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Base Station (BS) conformance  
testing (FDD) (3GPP TS 25.141 version 12.9.0 Release 12)

ETSI TS 125141 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Base Station (BS) conformance  
testing (FDD) (3GPP TS 25.141 version 13.3.0 Release 13)

ETSI TS 125142 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Base Station (BS) conformance  
testing (TDD) (3GPP TS 25.142 version 13.1.0 Release 13)

ETSI TS 125212 V 12.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Multiplexing and channel coding (FDD)  
(3GPP TS 25.212 version 12.2.0 Release 12)

ETSI TS 125212 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Multiplexing and channel coding (FDD)  
(3GPP TS 25.212 version 13.1.0 Release 13)

ETSI TS 125214 V 12.4.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Physical layer procedures (FDD) (3GPP TS 25.214 version 12.4.0 Release 12)

ETSI TS 125214 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Physical layer procedures (FDD) (3GPP TS 25.214 version 13.3.0 Release 13)

ETSI TS 125215 V 12.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Physical layer – Measurements (FDD)  
(3GPP TS 25.215 version 12.2.0 Release 12)

ETSI TS 125215 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Physical layer – Measurements (FDD)  
(3GPP TS 25.215 version 13.1.0 Release 13)

ETSI TS 125300 V 12.6.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Universal Terrestrial Radio Access Network  
(UTRAN) – General description – Stage 2 (3GPP TS 25.300 version 12.6.0 Release 12)

ETSI TS 125300 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Universal Terrestrial Radio Access Network  
(UTRAN) – General description – Stage 2 (3GPP TS 25.300 version 13.2.0 Release 13)

ETSI TS 125306 V 11.11.0:2016-08

Universal Mobile Telecommunications System (UMTS) – UE Radio Access capabilities (3GPP TS 25.306 version 11.11.0 Release 11)

ETSI TS 125306 V 12.8.0:2016-08

Universal Mobile Telecommunications System (UMTS) – UE Radio Access capabilities (3GPP TS 25.306 version 12.8.0 Release 12)

ETSI TS 125319 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – Enhanced uplink – Overall description –  
Stage 2 (3GPP TS 25.319 version 13.1.0 Release 13)

ETSI TS 125413 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – UTRAN Iu interface Radio Access Network  
Application Part (RANAP) signalling (3GPP TS 25.413 version 13.2.0 Release 13)

ETSI TS 125423 V 12.6.0:2016-08

Universal Mobile Telecommunications System (UMTS) – UTRAN Iur interface Radio Network  
Subsystem Application Part (RNSAP) signalling (3GPP TS 25.423 version 12.6.0 Release 12)

ETSI TS 125423 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – UTRAN Iur interface Radio Network  
Subsystem Application Part (RNSAP) signalling (3GPP TS 25.423 version 13.3.0 Release 13)

ETSI TS 126103 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications  
System (UMTS) – Speech codec list for GSM and UMTS (3GPP TS 26.103 version 13.2.0  
Release 13)

ETSI TS 126114 V 12.14.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 12.14.0 Release 12)

ETSI TS 126114 V 13.4.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 13.4.0 Release 13)

ETSI TS 126131 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Terminal acoustic characteristics for telephony – Requirements (3GPP TS 26.131 version 13.3.0 Release 13)

ETSI TS 126132 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Speech and video telephony terminal acoustic test specification (3GPP TS 26.132 version 13.3.0 Release 13)

ETSI TS 126223 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia Subsystem (IMS) – Media handling and interaction (3GPP TS 26.223 version 13.1.0 Release 13)

ETSI TS 126234 V 12.6.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Protocols and codecs (3GPP TS 26.234 version 12.6.0 Release 12)

ETSI TS 126234 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Protocols and codecs (3GPP TS 26.234 version 13.2.0 Release 13)

ETSI TS 126247 V 13.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 13.3.0 Release 13)

ETSI TS 126346 V 12.10.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 12.10.0 Release 12)

ETSI TS 126346 V 13.5.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 13.5.0 Release 13)

ETSI TS 126442 V 12.7.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 12.7.0 Release 12)

ETSI TS 126444 V 12.7.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 12.7.0 Release 12)

ETSI TS 126444 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 13.2.0 Release 13)

ETSI TS 126444 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 13.2.0 Release 13)

ETSI TS 126447 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 13.1.0 Release 13)

ETSI TS 127007 V 13.5.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – AT command set for User Equipment (UE) (3GPP TS 27.007 version 13.5.0 Release 13)

ETSI TS 128616 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) and non-3GPP access interworking system Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.616 version 13.1.0 Release 13)

ETSI TS 128623 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 13.2.0 Release 13)

ETSI TS 128626 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – State management data definition Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.626 version 13.1.0 Release 13)

ETSI TS 128629 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.629 version 13.1.0 Release 13)

ETSI TS 128633 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.633 version 13.2.0 Release 13)

ETSI TS 128653 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Universal Terrestrial Radio Access Network (UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.653 version 13.2.0 Release 13)

ETSI TS 128655 V 11.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.655 version 11.3.0 Release 11)

ETSI TS 128655 V 12.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.655 version 12.1.0 Release 12)

ETSI TS 128655 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.655 version 13.1.0 Release 13)

ETSI TS 128656 V 11.3.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.656 version 11.3.0 Release 11)

ETSI TS 128656 V 12.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.656 version 12.2.0 Release 12)

ETSI TS 128656 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – GSM/EDGE Radio Access Network (GERAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.656 version 13.2.0 Release 13)

ETSI TS 128657 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.657 version 13.1.0 Release 13)

ETSI TS 128658 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.658 version 13.1.0 Release 13)

ETSI TS 128659 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.659 version 13.1.0 Release 13)

ETSI TS 128659 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.659 version 13.1.0 Release 13)

ETSI TS 128662 V 12.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.662 version 12.1.0 Release 12)

ETSI TS 128662 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.662 version 13.1.0 Release 13)

ETSI TS 128663 V 11.4.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.663 version 11.4.0 Release 11)

ETSI TS 128663 V 12.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.663 version 12.2.0 Release 12)

ETSI TS 128663 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Generic Radio Access Network (RAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.663 version 13.1.0 Release 13)

ETSI TS 128669 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Radio Planning Tool Access (RPTA) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.669 version 13.1.0 Release 13)

ETSI TS 128673 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home Node B (HNB) Subsystem (HNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.673 version 13.1.0 Release 13)

ETSI TS 128676 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Home enhanced Node B (HeNB) Subsystem (HeNS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.676 version 13.1.0 Release 13)

ETSI TS 128703 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Core Network (CN) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.703 version 13.1.0 Release 13)

ETSI TS 128706 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – IP Multimedia Subsystem (IMS) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.706 version 13.2.0 Release 13)

ETSI TS 128709 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Packet Core (EPC) Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.709 version 13.1.0 Release 13)

ETSI TS 128733 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Transport Network (TN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.733 version 13.2.0 Release 13)

ETSI TS 128736 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.736 version 13.1.0 Release 13)

ETSI TS 129228 V 13.2.1:2016-07

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Subsystem Cx and Dx Interfaces – Signalling flows and message contents (3GPP TS 29.228 version 13.2.1 Release 13)

ETSI TS 136213 V 12.10.0:2016-08

LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 12.10.0 Release 12)

ETSI TS 137104 V 12.11.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 12.11.0 Release 12)

ETSI TS 137104 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 13.2.0 Release 13)

ETSI TS 137113 V 10.5.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 10.5.0 Release 10)

ETSI TS 137113 V 11.4.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 11.4.0 Release 11)

ETSI TS 137113 V 12.4.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 12.4.0 Release 12)

ETSI TS 137113 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 13.2.0 Release 13)

ETSI TS 137141 V 12.11.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 12.11.0 Release 12)

ETSI TS 137141 V 13.3.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 13.3.0 Release 13)

ETSI TR 137901 V 11.14.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) application layer data throughput performance (3GPP TR 37.901 version 11.14.0 Release 11)

ETSI TR 137977 V 13.4.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Verification of radiated multi-antenna reception performance of User Equipment (UE) (3GPP TR 37.977 version 13.4.0 Release 13)

ETSI TS 143020 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Security related network functions (3GPP TS 43.020 version 13.2.0 Release 13)

ETSI TS 143022 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Functions related to Mobile Station (MS) in idle mode and group receive mode (3GPP TS 43.022 version 13.1.0 Release 13)

ETSI TS 143059 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Functional stage 2 description of Location Services (LCS) in GERAN (3GPP TS 43.059 version 13.2.0 Release 13)

ETSI TS 143064 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Overall description of the GPRS radio interface – Stage 2 (3GPP TS 43.064 version 13.2.0 Release 13)

ETSI TS 144004 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Layer 1 – General Requirements  
(3GPP TS 44.004 version 13.1.0 Release 13)

ETSI TS 144014 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Individual equipment type requirements and interworking – Special conformance testing functions (3GPP TS 44.014 version 13.1.0 Release 13)

ETSI TS 144018 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile radio interface layer 3 specification – Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 13.2.0 Release 13)

ETSI TS 144060 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Mobile Station (MS) – Base Station System (BSS) interface – Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 13.2.0 Release 13)

ETSI TS 144064 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station – Serving GPRS Support Node (MS-SGSN) – Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 13.1.0 Release 13)

ETSI TS 145001 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Physical layer on the radio path – General description (3GPP TS 45.001 version 13.2.0 Release 13)

ETSI TS 145002 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 13.2.0 Release 13)

ETSI TS 145003 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Channel coding (3GPP TS 45.003 version 13.2.0 Release 13)

ETSI TS 145004 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Modulation (3GPP TS 45.004 version 13.2.0 Release 13)

ETSI TS 145005 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Radio transmission and reception (3GPP TS 45.005 version 13.1.0 Release 13)

ETSI TS 145008 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Radio subsystem link control (3GPP TS 45.008 version 13.2.0 Release 13)

ETSI TS 145010 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Radio subsystem synchronization (3GPP TS 45.010 version 13.2.0 Release 13)

ETSI TR 145050 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Background for Radio Frequency (RF) requirements (3GPP TR 45.050 version 13.1.0 Release 13)

ETSI TS 148008 V 13.2.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Switching Centre – Base Station system (MSC-BSS) interface – Layer 3 specification (3GPP TS 48.008 version 13.2.0 Release 13)

ETSI TS 151021 V 13.1.0:2016-08

Digital cellular telecommunications system (Phase 2+) (GSM) – Base Station System (BSS) equipment specification – Radio aspects (3GPP TS 51.021 version 13.1.0 Release 13)

**33.070.99**

**Ostale pokretne službe**

**Europska normizacija**

**CENELEC**

EN 303146-2 V 1.2.1:2016-06

Reconfigurable Radio Systems (RRS) – Mobile Device (MD) information models and protocols – Part 2: Reconfigurable Radio Frequency Interface (RRFI)

**ETSI**

ETSI TS 123161 V 13.3.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 2 (3GPP TS 23.161 version 13.3.0 Release 13)

ETSI TS 123179 V 13.2.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Functional architecture and information flows to support mission critical communication services – Stage 2 (3GPP TS 23.179 version 13.2.0 Release 13)

ETSI TS 124161 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 3 (3GPP TS 24.161 version 13.1.0 Release 13)

ETSI TS 124371 V 12.5.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 12.5.0 Release 12)

ETSI TS 124371 V 13.4.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 13.4.0 Release 13)

ETSI TS 124379 V 13.1.1:2016-07

LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 13.1.1 Release 13)

ETSI TS 124380 V 13.1.1:2016-07

LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.1.1 Release 13)

ETSI TS 124381 V 13.1.0:2016-07

LTE – Mission Critical Push To Talk (MCPTT) group management – Protocol specification (3GPP TS 24.381 version 13.1.0 Release 13)

ETSI TS 124382 V 13.1.0:2016-07

LTE – Mission Critical Push To Talk (MCPTT) identity management – Protocol specification (3GPP TS 24.382 version 13.1.0 Release 13)

ETSI TS 124383 V 13.1.0:2016-07

LTE – Mission Critical Push To Talk (MCPTT) Management Object (MO) (3GPP TS 24.383 version 13.1.0 Release 13)

ETSI TS 124384 V 13.1.0:2016-07

Universal Mobile Telecommunications System (UMTS) – LTE – Mission Critical Push To Talk (MCPTT) configuration management – Protocol specification (3GPP TS 24.384 version 13.1.0 Release 13)

ETSI TR 124980 V 13.1.0:2016-07

LTE – Minimum Requirements for support of MCPTT Service over the Gm reference point (3GPP TR 24.980 version 13.1.0 Release 13)

ETSI TS 126179 V 13.1.0:2016-08

LTE – Mission Critical Push To Talk (MCPTT) – Codecs and media handling (3GPP TS 26.179 version 13.1.0 Release 13)

ETSI TS 126443 V 12.6.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 12.6.0 Release 12)

ETSI TS 126443 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 13.2.0 Release 13)

ETSI TS 126454 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Interface to Iu, Uu, Nb and Mb (3GPP TS 26.454 version 13.1.0 Release 13)

ETSI TR 126952 V 12.5.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Performance characterization (3GPP TR 26.952 version 12.5.0 Release 12)

ETSI TR 126952 V 13.2.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Performance characterization (3GPP TR 26.952 version 13.2.0 Release 13)

ETSI TR 126989 V 13.1.0:2016-08

LTE – Mission Critical Push To Talk (MCPTT) – Media, codecs and Multimedia Broadcast/Multicast Service (MBMS) enhancements for MCPTT over LTE (3GPP TR 26.989 version 13.1.0 Release 13)

ETSI TR 136904 V 12.2.0:2016-08

LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for User Equipment (UE) radio reception conformance tests (3GPP TR 36.904 version 12.2.0 Release 12)

ETSI TS 137105 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 13.1.0 Release 13)

ETSI TS 137114 V 13.1.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 13.1.0 Release 13)

ETSI TS 137144 V 13.0.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) and Mobile Station (MS) GSM, UTRA and E-UTRA over the air performance requirements (3GPP TS 37.144 version 13.0.0 Release 13)

ETSI TS 137171 V 13.0.0:2016-08

Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for RAT-Independent Positioning Enhancements (3GPP TS 37.171 version 13.0.0 Release 13)

**33.100.01                    Elektromagnetska kompatibilnost općenito**

**Europska normizacija**

**CENELEC**

EN 301908-1 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Introduction and common requirements

EN 301908-3 V 11.1.2:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

**33.100.10                    Zračenje**

**Europska normizacija**

**CEELEC**

EN 55032/AC:2016-07

Electromagnetic compatibility of multimedia equipment – Emission Requirements (CISPR 32:2015/COR1:2016)

EN 300386 V 2.1.1:2016-07

Telecommunication network equipment – ElectroMagnetic Compatibility (EMC) requirements – Harmonised Standard covering the essential requirements of the Directive 2014/30/EU

EN 301908-1 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Introduction and common requirements

EN 301908-3 V 11.1.2:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

EN 301908-13 V 11.1.1:2016-07

IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 13: Evolved Universal Terrestrial Radio Access (E-UTRA) User Equipment (UE)

EN 302480 V 2.1.1:2016-07

Mobile Communication On Board Aircraft (MCOBA) systems – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

**ETSI**

ETSI TR 103416 V 1.1.1:2016-07

System Reference document (SRdoc) – Short Range Devices (SRD) using Ultra Wide Band (UWB) – Technical characteristics and spectrum requirements for UWB based vehicular access systems for operation in the 3,4 GHz to 4,8 GHz and 6 GHz to 8,5 GHz frequency ranges

ETSI EG 203367 V 1.1.1:2016-06

Guide to the application of harmonised standards covering articles 3.1b and 3.2 of the Directive 2014/53/EU (RED) to multi-radio and combined radio and non-radio equipment

ETSI TS 102490 V 1.9.1:2016-08

Electromagnetic compatibility and Radio spectrum Matters (ERM) – Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p. of up to 500 mW

ETSI TR 103181-3 V 1.1.1:2016-08

Short Range Devices (SRD) using Ultra Wide Band (UWB) – Part 3: Worldwide UWB regulations between 3,1 and 10,6 GHz

ETSI ES 201468 V 1.6.1:2016-07

Additional ElectroMagnetic Compatibility (EMC) requirements and resistibility requirements for telecommunications equipment for enhanced availability of service in specific applications

### **33.100.20 Otpornost**

#### **Međunarodna normizacija**

**IEC**

IEC 61000-4-9:2016-07

Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Impulse magnetic field immunity test

IEC 61000-4-10:2016-07

Electromagnetic compatibility (EMC) – Part 4-10: Testing and measurement techniques – Damped oscillatory magnetic field immunity test

IEC 61000-4-31:2016-07

Electromagnetic compatibility (EMC) – Part 4-31: Testing and measurement techniques – AC mains ports broadband conducted disturbance immunity test

### **33.120.10 Koaksijalni kabeli. Valovodi**

#### **Međunarodna normizacija**

**IEC**

IEC 60154-2:2016-07

Flanges for waveguides – Part 2: Relevant specifications for flanges for ordinary rectangular waveguides

### **33.160.30 Audiosustavi**

#### **Europska normizacija**

**CENELEC**

EN 62760:2016-06

Audio reproduction method for normalized loudness level (IEC 62760:2016)

EN 60958-4-1:2016-07

Digital audio interface – Part 4-1: Professional applications – Audio content (IEC 60958-4-1:2016)

EN 60958-4-2:2016-07

Digital audio interface – Part 4-2: Professional applications – Metadata and subcode (IEC 60958-4-2:2016)

EN 60958-4-4:2016-07

Digital audio interface – Part 4-4: Professional applications – Physical and electrical parameters  
(IEC 60958-4-4:2016)

**33.160.50 Pribor**

**Europska normizacija**  
**CENELEC**

**EN 62777:2016-06**

Quality evaluation method for the sound field of directional loudspeaker array system  
(IEC 62777:2016)

**Međunarodna normizacija**  
**IEC**

IEC 61094-3:2016-06 170,57 EUR

Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique

**33.170 Televizijski i radijski prijenos**

**Europska normizacija**  
**CENELEC**

EN 303146-2 V 1.2.1:2016-06

Reconfigurable Radio Systems (RRS) – Mobile Device (MD) information models and protocols – Part 2: Reconfigurable Radio Frequency Interface (RRFI)

**ETSI**

ETSI ES 202184 V 2.4.1:2016-06

MHEG-5 Broadcast Profile

ETSI TS 103420 V 1.1.1:2016-07

Backwards-compatible object audio carriage using Enhanced AC-3

ETSI TS 103429 V 1.1.1:2016-07

Integrated broadband cable telecommunication networks (CABLE) – Cable Customer Premises Equipment (CPE) with Integrated Radio and Non-Radio Interfaces – Technical Specification covering the cable equipment technical requirements in support of Harmonised Standards for the essential requirements of article 3.1b of the Directive 2014/53/EU

ETSI TS 103433 V 1.1.1:2016-08

High-Performance Single Layer Directly Standard Dynamic Range (SDR) Compatible High Dynamic Range (HDR) System for use in Consumer Electronics devices (SL-HDR1)

**Međunarodna normizacija**  
**IEC**

IEC 62803:2016-07

Transmitting equipment for radiocommunication – Frequency response of optical-to-electric conversion device in high-frequency radio over fibre systems – Measurement method

### **33.180.10 Svetlovodna vlakna i kabeli**

#### **Europska normizacija CENELEC**

EN 60793-2:2016-06  
Optical fibres – Part 2: Product specifications – General (IEC 60793-2:2015)

#### **Međunarodna normizacija IEC**

IEC/TR 62691:2016-06  
Optical fibre cables – Guidelines to the installation of optical fibre cables

### **33.180.20 Svetlovodni vezne naprave**

#### **Međunarodna normizacija IEC**

IEC 61300-1:2016-07  
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance

IEC 61753-052-3:2016-07  
Fibre optic interconnecting devices and passive components – Performance standard – Part 052-3: Single-mode fibre non-connectorized fixed attenuator – Category U in uncontrolled environment

IEC 61753-052-6:2016-07  
Fibre optic interconnecting devices and passive components – Performance standard – Part 052-6: Single-mode fibre non-connectorized fixed attenuator – Category O in outside plant environment

### **33.180.30 Optička pojačala**

#### **Europska normizacija CENELEC**

EN 61291-2:2016-06  
Optical amplifiers – Part 2: Single channel applications – Performance specification template (IEC 61291-2:2016)

EN 62572-3:2016-06  
Fibre optic active components and devices – Reliability standards – Part 3: Laser modules used for telecommunication (IEC 62572-3:2016)

EN 62343-1:2016-07  
Dynamic modules – Part 1: Performance standards – General conditions (IEC 62343-1:2016)

EN 62343-3-2:2016-07  
Dynamic modules – Part 3-2: Performance specification templates – Optical channel monitor (IEC 62343-3-2:2016)

**33.180.99                   Ostala svjetlovodna oprema**

**Europska normizacija  
CENELEC**

EN 62129-1:2016-06

Calibration of wavelength/optical frequency measurement instruments – Part 1: Optical spectrum analyzers (IEC 62129-1:2016)

**33.200                   Daljinsko upravljanje. Daljinsko mjerjenje**

**Međunarodna normizacija  
IEC**

IEC 60870-5-104 AMD 1:2016-06

Telecontrol equipment and systems – Part 5-104: Transmission protocols – Network access for IEC 60870-5-101 using standard transport profiles; Amendment 1

IEC 60870-5-104 Edition 2.1:2016-06

Telecontrol equipment and systems – Part 5-104: Transmission protocols – Network access for IEC 60870-5-101 using standard transport profiles

**35.020                   Informacijska tehnologija (IT) općenito**

**Europska normizacija  
CEN**

CEN/TR 16234-2:2016-08

e-Competence Framework (e-CF) – A common European Framework for ICT Professionals in all industry sectors – Part 2: User Guide

**35.040                   Skupovi znakova i kodiranje informacija**

**Međunarodna normizacija  
ISO**

ISO/IEC 18370-2:2016-07

Information technology – Security techniques – Blind digital signatures – Part 2: Discrete logarithm based mechanisms

ISO/IEC 27009:2016-06

Information technology – Security techniques – Sector-specific application of ISO/IEC 27001 – Requirements

ISO/IEC 27033-6:2016-06

Information technology – Security techniques – Network security – Part 6: Securing wireless IP network access

ISO/IEC 29146:2016-06

Information technology – Security techniques – A framework for access management

ISO/IEC 13818-1 AMD 1 Technical Corrigendum 1:2016-07

Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems – Amendment 1: Delivery of timeline for external data; Technical Corrigendum 1

ISO/IEC 13818-1 AMD 2:2016-07

Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems – Amendment 2: Carriage of layered HEVC

ISO/IEC 13818-1 AMD 3:2016-07

Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems – Amendment 3: Carriage of green metadata in MPEG2 systems

ISO/IEC 15946-1:2016-07

Information technology – Security techniques – Cryptographic techniques based on elliptic curves – Part 1: General

ISO/IEC 17826:2016-07

Information technology – Cloud Data Management Interface (CDMI)

ISO/IEC 18477-2:2016-07

Information technology – Scalable compression and coding of continuous-tone still images – Part 2: Coding of high dynamic range images

ISO/IEC 23000-15:2016-07

Information technology – Multimedia application format (MPEG-A) – Part 15: Multimedia preservation application format

ISO/IEC 23001-9:2016-08

Information technology – MPEG systems technologies – Part 9: Common encryption of MPEG-2 transport streams

ISO/IEC 23001-11 AMD 1:2016-08

Information technology – MPEG systems technologies – Part 11: Energy-efficient media consumption (green metadata) – Amendment 1: Carriage of green metadata in an HEVC SEI message

ISO/IEC 23003-3 AMD 3:2016-08

Information technology – MPEG audio technologies – Part 3: Unified speech and audio coding – Amendment 3: Support of MPEG-D DRC, audio pre-roll and immediate play-out frame

ISO/IEC 23005-1:2016-07

Information technology – Media context and control – Part 1: Architecture

ISO/IEC 23005-3:2016-07

Information technology – Media context and control – Part 3: Sensory information

ISO/IEC 23008-3 AMD 1:2016-08

Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 1: MPEG-H, 3D audio profile and levels

ISO/IEC 24760-3:2016-08

Information technology – Security techniques – A framework for identity management – Part 3: Practice

ISO/IEC 29161:2016-08

Information technology – Data structure – Unique identification for the Internet of Things

ISO/IEC 29192-5:2016-08

Information technology – Security techniques – Lightweight cryptography – Part 5: Hash-functions

**35.060                    Jezici koji se upotrebljavaju u informacijskoj tehnologiji**

**Međunarodna normizacija**  
**ISO**

ISO/IEC 1539-1 Technical Corrigendum 4:2016-07  
Information technology – Programming languages – Fortran – Part 1: Base language; Technical Corrigendum 4

**35.080                    Softver (programska podrška)**

**Međunarodna normizacija**  
**ISO**

ISO/IEC 25022:2016-06  
Systems and software engineering – Systems and software quality requirements and evaluation (SQuaRE) – Measurement of quality in use

ISO/IEC 25023:2016-06  
Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Measurement of system and software product quality

ISO/IEC 25066:2016-06  
Systems and software engineering – Systems and software Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for Usability – Evaluation Report

ISO/IEC TR 29110-1:2016-06  
Systems and software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 1: Overview

ISO/IEC TR 29110-5-2-1:2016-06  
Systems and software engineering – Lifecycle profiles for Very Small Entities (VSEs) – Part 5-2-1: Organizational management guidelines

**35.100.05                Višeslojna primjena**

**Međunarodna normizacija**  
**ISO**

ISO/IEC 18384-2:2016-06  
Information technology – Reference Architecture for Service Oriented Architecture (SOA RA) – Part 2: Reference Architecture for SOA Solutions

ISO/IEC 18384-3:2016-06  
Information technology – Reference Architecture for Service Oriented Architecture (SOA RA) – Part 3: Service Oriented Architecture ontology

**35.100.70                Sloj primjene**

**Međunarodna normizacija**  
**ISO**

ISO/IEC 20922:2016-06  
Information technology – Message Queuing Telemetry Transport (MQTT) v3.1.1

### **35.110**

### **Umrežavanje**

#### **Europska normizacija**

**ETSI**

ETSI TS 103329 V 1.1.1:2016-06

Wireless Industrial Applications (WIA) – Radio equipment to be used in the 5,725 GHz to 5,875 GHz frequency range with power level up to 400 mW – Methods and concepts for a WIA system approach to sharing in the 5,725 GHz to 5,875 GHz band

ETSI GS NFV-IFA 009 V 1.1.1 2016-07

Network Functions Virtualisation (NFV) – Management and Orchestration – Report on Architectural Options

ETSI GS NFV-REL 003 V 1.1.2:2016-07

Network Functions Virtualisation (NFV) – Reliability – Report on Models and Features for End-to-End Reliability

ETSI TR 183069 V 3.0.0:2016-07

Network Technologies (NTECH) – Business Trunking – NGCN-NGN Interfaces Implementation Guide

#### **Međunarodna normizacija**

**ISO**

ISO/IEC 13157-4:2016-06

Information technology – Telecommunications and information exchange between systems – NFC Security – Part 4: NFC-SEC entity authentication and key agreement using asymmetric cryptography

ISO/IEC 13157-5:2016-06

Information technology – Telecommunications and information exchange between systems – NFC – Part 5: NFC-SEC entity authentication and key agreement using symmetric cryptography

### **35.160**

### **Mikroprocesorski sustavi**

#### **Međunarodna normizacija**

**IEC**

IEC 62453-302:2016-06

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

IEC 62453-303-1 AMD 1:2016-06

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

IEC 62453-303-1 Edition 1.1:2016-06

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 AMD 1:2016-06

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 62453-303-2 Edition 1.1:2016-06

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 62453-309:2016-06250,83 EUR

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

IEC 62453-315 AMD 1:2016-06

Field device tool (FDT) Interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15; Amendment 1

IEC 62453-315 Edition 1.1:2016-06331,10 EUR

Field device tool (FDT) Interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15

IEC 61784-3-2:2016-07

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

IEC 61784-3-3:2016-07

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

IEC 61784-3-8:2016-07

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

IEC 61784-3-13:2016-07

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

IEC 61784-3-17:2016-07

Industrial communication networks – Profiles – Part 3-17: Functional safety fieldbuses – Additional specifications for CPF 17

IEC 61784-3-18 AMD 1:2016-07

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18; Amendment 1

IEC 61784-3-18 Edition 1.1:2016-07

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18

### **35.220.30 Optičke naprave za pohranu podataka**

#### **Europska normizacija**

**CENELEC**

EN 62702-1-1:2016-06

Audio Archive System – Part 1-1: DVD disk and data migration for long term audio data storage (IEC 62702-1-1:2016)

#### **Međunarodna normizacija**

**ISO**

ISO/IEC 30190:2016-06

Information technology – Digitally recorded media for information interchange and storage – 120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Recordable disk

ISO/IEC 30192:2016-06

Information technology – Digitally recorded media for information interchange and storage – 120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Rewritable disk

ISO/IEC 30193:2016-06

Information technology – Digitally recorded media for information interchange and storage – 120 mm Triple Layer (100,0 Gbytes per disk) BD Rewritable disk

### **35.240.15 Identifikacijske kartice i pripadajuće naprave**

**Europska normizacija**

**CEN**

ETSI TS 102230-1 V 11.0.0:2016-06

Smart Cards – UICC-Terminal interface – Physical, electrical and logical test specification – Part 1: Terminal features (Release 11)

ETSI TS 102230-2 V 9.1.0:2016-06

Smart Cards – UICC-Terminal interface – Physical, electrical and logical test specification – Part 2: UICC features (Release 9)

**Međunarodna normizacija**

**ISO**

ISO/IEC 7816-6:2016-06

Identification cards – Integrated circuit cards – Part 6: Interindustry data elements for interchange

ISO/IEC 10373-6:2016-07

Identification cards – Test methods – Part 6: Proximity cards

ISO/IEC 14443-2:2016-07

Identification cards – Contactless integrated circuit cards – Proximity cards – Part 2: Radio frequency power and signal interface

### **35.240.20 Primjene IT-a u uredskom poslovanju**

**Europska normizacija**

**CEN**

CWA 17028-105:2016-06

Business Interoperability Interfaces for public procurement in Europe – BII Profile 33 – Catalogue subscription

CWA 17029-120:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 120: Profile BII29 Receipt Advice

CWA 17029-121:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 121: Profile BII30 Despatch Only

CWA 17029-123:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 123: Profile BII32 Simple Ordering

CWA 17029-124:2016-06

Business Interoperability Interfaces for public procurement in Europe – BII profile 32 – Order Agreement

CWA 17029-201:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 201: UBL Syntax Implementation Guideline for Trdm001 Order

CWA 17029-202:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 202: UBL Syntax Implementation Guideline for Trdm002 Simple Order Response

CWA 17029-205:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 205: UBL Syntax Implementation Guideline for Trdm010 Invoice

CWA 17029-401:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 401: Guideline on Procurement With Aligned Master Data

CWA 17029-402:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 402: Guideline on Simplified Invoicing

CWA 17029-403:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 403: Guideline on Payment Initiation and Reconciliation

CWA 17029-404:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 404: Guideline on Pre-payments

CWA 17029-405:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 405: Guideline on Initiating the Procurement and Invoice Process with Accounting

CWA 17044:2016-06

Aerospace series – Modules for Electro-Mechanical Actuators in Aircraft

CWA 17046:2016-06

Humanitarian demining – Non-technical survey in the land release process

CWA 17047:2016-06

Communited and fragmented poultry meat – Quantification of muscle fibre structure degradation

## **Međunarodna normizacija**

### **ISO**

ISO/IEC 30122-1:2016-08

Information technology – User interfaces – Voice commands – Part 1: Framework and general guidance

ISO/IEC 30122-4:2016-08

Information technology – User interfaces – Voice commands – Part 4: Management of voice command registration

**35.240.50****Primjene IT-a u industriji****Europska normizacija  
CENELEC**

EN 61987-12:2016-06

Industrial- Process Measurement and Control – Data Structures and Elements in Process Equipment Catalogues – Part 12: Lists of properties (LOPs) for flow measuring equipment for electronic data exchange (IEC 61987-12:2016)

EN 61987-13:2016-06

Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 13: Lists of properties (LOP) for Pressure Measuring Equipment for electronic data exchange (IEC 61987-13:2016)

EN 61987-14:2016-07

Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 14: Lists of properties (LOP) for temperature measuring equipment for electronic data exchange (IEC 61987-14:2016)

**ETSI**

ETSI TS 103329 V 1.1.1:2016-06

Wireless Industrial Applications (WIA) – Radio equipment to be used in the 5,725 GHz to 5,875 GHz frequency range with power level up to 400 mW – Methods and concepts for a WIA system approach to sharing in the 5,725 GHz to 5,875 GHz band

**Međunarodna normizacija****IEC**

IEC 61003-2:2016-06

Industrial-process control systems – Instruments with analogue inputs and two or multi-position outputs – Part 2: Guidance for inspection and routine testing

IEC 61069-1:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 1: Terminology and basic concepts

IEC 61069-2:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 2: Assessment methodology

IEC 61069-3:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 3: Assessment of system functionality

IEC 61069-4:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 4: Assessment of system performance

IEC 61069-5:2016-06 190,63 EUR

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 5: Assessment of system dependability

IEC 61069-6:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 6: Assessment of system operability

IEC 61069-7:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 7: Assessment of system safety

IEC 61069-8:2016-06

Industrial-process measurement, control and automation – Evaluation of system properties for the purpose of system assessment – Part 8: Assessment of other system properties

IEC 62325-451-6:2016-06

Framework for energy market communications – Part 451-6: Publication of information on market, contextual and assembly models for European style market

IEC 62453-302:2016-06

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

IEC 62453-303-1 AMD 1:2016-06

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

IEC 62453-303-1 Edition 1.1:2016-06

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 AMD 1:2016-06 18,06 EUR

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 62453-303-2 Edition 1.1:2016-06

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 62453-309:2016-06

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

IEC 62453-315 AMD 1:2016-06

Field device tool (FDT) Interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15; Amendment 1

IEC 62453-315 Edition 1.1:2016-06

Field device tool (FDT) Interface specification – Part 315: Communication profile integration – IEC 61784 CPF 15

IEC 62264-5:2016-07

Enterprise-control system integration – Part 5: Business to manufacturing transactions

IEC 61511-2:2016-07

Functional safety – Safety instrumented systems for the process industry sector – Part 2: Guidelines for the application of IEC 61511-1: 2016

IEC 61511-3:2016-07

Functional safety – Safety instrumented systems for the process industry sector – Part 3: Guidance for the determination of the required safety integrity levels

IEC 61784-3-2:2016-07

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

IEC 61784-3-3:2016-07

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

IEC 61784-3-8:2016-07

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

IEC 61784-3-13:2016-07

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

IEC 61784-3-17:2016-07

Industrial communication networks – Profiles – Part 3-17: Functional safety fieldbuses – Additional specifications for CPF 17

IEC 61784-3-18 AMD 1:2016-07

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18; Amendment 1

IEC 61784-3-18 Edition 1.1:2016-07

Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18

IEC 62264-5:2016-07

Enterprise-control system integration – Part 5: Business to manufacturing transactions

IEC/PAS 62264-6:2016-07

Enterprise-control system integration – Part 6: Messaging Service Model

IEC 62424:2016-07

Representation of process control engineering – Requests in P&I diagrams and data exchange between P&ID tools and PCE-CAE tools

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

#### **Europska normizacija**

**CEN**

CWA 17028-105:2016-06

Business Interoperability Interfaces for public procurement in Europe – BII Profile 33 – Catalogue subscription

CWA 17029-120:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 120: Profile BII29 Receipt Advice

CWA 17029-121:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 121: Profile BII30 Despatch Only

CWA 17029-123:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 123: Profile BII32 Simple Ordering

CWA 17029-124:2016-06

Business Interoperability Interfaces for public procurement in Europe – BII profile 32 – Order Agreement

CWA 17029-201:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 201: UBL Syntax Implementation Guideline for Trdm001 Order

CWA 17029-202:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 202: UBL Syntax Implementation Guideline for Trdm002 Simple Order Response

CWA 17029-205:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 205: UBL Syntax Implementation Guideline for Trdm010 Invoice

CWA 17029-401:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 401: Guideline on Procurement With Aligned Master Data

CWA 17029-402:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 402: Guideline on Simplified Invoicing

CWA 17029-403:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 403: Guideline on Payment Initiation and Reconciliation

CWA 17029-404:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 404: Guideline on Pre-payments

CWA 17029-405:2016-06

Business Interoperability Interfaces for Public Procurement in Europe – Post Award – Part 405: Guideline on Initiating the Procurement and Invoice Process with Accounting

CWA 17044:2016-06

Aerospace series – Modules for Electro-Mechanical Actuators in Aircraft

CWA 17046:2016-06

Humanitarian demining – Non-technical survey in the land release process

CWA 17047:2016-06

Communited and fragmented poultry meat – Quantification of muscle fibre structure degradation

### **Međunarodna normizacija**

**IEC**

IEC 62325-451-6:2016-06

Framework for energy market communications – Part 451-6: Publication of information on market, contextual and assembly models for European style market

**35.240.80**

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

### **Europska normizacija**

**CEN/CENELEC**

EN 60601-2-44/A2:2016-06

Medical electrical equipment – Part 2-44: Particular requirements for the basic safety and essential performance of X-ray equipment for computed tomography (IEC 60601-2-44:2009/A2:2016)

EN ISO 11073-10419:2016-06

Health informatics – Personal health device communication – Part 10419: Device specialization – Insulin pump (ISO/IEEE 11073-10419:2016)

EN ISO 11073-10424:2016-06

Health informatics – Personal health device communication – Part 10424: Device specialization – Sleep apnoea breathing therapy equipment (SABTE) (ISO/IEEE 11073-10424:2016)

EN ISO 11073-10425:2016-06

Health informatics – Personal health device communication – Part 10425: Device specialization – Continuous glucose monitor (CGM) (ISO 11073-10425:2016)

EN ISO 17523:2016-06

Health informatics – Requirements for electronic prescriptions (ISO 17523:2016)

### **Međunarodna normizacija**

#### **ISO**

ISO/IEEE 11073-10419:2016-06

Health informatics – Personal health device communication – Part 10419: Device specialization – Insulin pump

ISO/IEEE 11073-10424:2016-06

Health informatics – Personal health device communication – Part 10424: Device specialization – Sleep apnoea breathing therapy equipment (SABTE)

ISO/IEEE 11073-10425:2016-06

Health informatics – Personal health device communication – Part 10425: Device specialization – Continuous glucose monitor (CGM)

ISO 17523:2016-06

Health informatics – Requirements for electronic prescriptions

ISO 27799:2016-07

Health informatics – Information security management in health using ISO/IEC 27002

ISO/IEEE 11073-20601:2016-06

Health informatics – Personal health device communication – Part 20601: Application profile – Optimized exchange protocol

ISO/IEEE 11073-20601 Technical Corrigendum 1:2016-06

Health informatics – Personal health device communication – Part 20601: Application profile – Optimized exchange protocol; Technical Corrigendum 1

### **35.240.99**

### **Primjene IT-a u ostalim područjima**

#### **Europska normizacija**

#### **CEN**

EN 16831:2016-08

Tractors and machinery for agriculture and forestry – Safety – Format for reporting accidents

#### **ETSI**

ETSI EG 203310 V 1.1.1:2016-06

CYBER – Quantum Computing Impact on security of ICT Systems – Recommendations on Business Continuity and Algorithm Selection

ETSI TR 103304 V 1.1.1:2016-07

CYBER – Personally Identifiable Information (PII) Protection in mobile and cloud services

ETSI TR 103305-1 V 2.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 1: The Critical Security Controls

ETSI TR 103305-2 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 2: Measurement and auditing

ETSI TR 103305-3 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 3: Service Sector Implementations

ETSI TR 103305-4 V 1.1.1:2016-08

CYBER – Critical Security Controls for Effective Cyber Defence – Part 4: Facilitation Mechanisms

ETSI TR 103331 V 1.1.1:2016-08

CYBER – Structured threat information sharing

ETSI TR 103369 V 1.1.1:2016-07

CYBER – Design requirements ecosystem

#### **Međunarodna normizacija**

**IEC**

IEC 62325-351:2016-06

Framework for energy market communications – Part 351: CIM European market model exchange profile

**37.020**

**Optička oprema**

#### **Međunarodna normizacija**

**ISO**

ISO 18221:2016-07

Microscopes – Microscopes with digital imaging displays – Information provided to the user regarding imaging performance

ISO 9022-1:2016-07

Optics and photonics – Environmental test methods – Part 1: Definitions, extent of testing

ISO 9022-23:2016-07

Optics and photonics – Environmental test methods – Part 23: Low pressure combined with cold, ambient temperature and dry or damp heat

ISO 10110-9:2016-07

Optics and photonics – Preparation of drawings for optical elements and systems – Part 9: Surface treatment and coating

ISO 10110-11:2016-07

Optics and photonics – Preparation of drawings for optical elements and systems – Part 11: Non-toleranced data

ISO 16700:2016-08

Microbeam analysis – Scanning electron microscopy – Guidelines for calibrating image magnification

**37.040.10                    Fotografska oprema. Projektori**

**Međunarodna normizacija**  
**ISO**

ISO/TR 19247:2016-07  
Photography – Guidelines for reliable testing of digital still cameras

**37.040.99                    Ostale norme koje se odnose na fotografiju**

**Međunarodna normizacija**  
**ISO**

ISO 12234-3:2016-07  
Electronic still picture imaging – Removable memory – Part 3: XMP for digital photography

**37.060.20                    Kinematografski filmovi. Kazete**

**Međunarodna normizacija**  
**ISO**

ISO 7739:2016-06  
Cinematography – Two-track photographic analogue sound records on 16 mm motion-picture prints – Positions and width dimensions

**43.040.10                    Električna i elektronička oprema**

**Međunarodna normizacija**  
**ISO**

ISO 7637-3:2016-07  
Road vehicles – Electrical disturbances from conduction and coupling – Part 3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines

ISO/PAS 19451-1:2016-07  
Application of ISO 26262:2011-2012 to semiconductors – Part 1: Application of concepts

ISO/PAS 19451-2:2016-07  
Application of ISO 26262:2011-2012 to semiconductors – Part 2: Application of hardware qualification

**43.040.30                    Pokazni i upravljački uređaji**

**Međunarodna normizacija**  
**ISO**

ISO 2575 AMD 5:2016-06  
Road vehicles – Symbols for controls, indicators and tell-tales; Amendment 5

**43.040.65                    Sustavi za laštenje i brisanje stakla**

**Međunarodna normizacija**  
**ISO**

ISO 3536:2016-06  
Road vehicles – Safety glazing materials – Vocabulary

**43.120                    Električna cestovna vozila**

**Europska normizacija  
CEN**

EN 61851-23/AC:2016-06

Electric vehicle conductive charging system – Part 23: DC electric vehicle charging station  
(IEC 61851-23:2014/COR1:2016)

**43.150                    Bicikli**

**Europska normizacija  
CEN**

EN ISO 11243:2016-07

Cycles – Luggage carriers for bicycles – Requirements and test methods (ISO 11243:2016)

**Međunarodna normizacija  
ISO**

ISO 11243:2016-06

Cycles – Luggage carriers for bicycles – Requirements and test methods

**45.060.10                Vučna vozila**

**Međunarodna normizacija  
ISO**

IEC 62864-1:2016-06

Railway applications – Rolling stock – Power supply with onboard energy storage system – Part 1: Series hybrid system

**45.100                    Oprema za žičare**

**Europska normizacija  
CEN**

EN 13107/AC:2016-07

Safety requirements for cableway installations designed to carry persons – Civil engineering works

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

**Međunarodna normizacija  
ISO**

ISO 16706:2016-07

Ships and marine technology – Marine evacuation systems – Load calculations and testing

ISO 20283-3 AMD 1:2016-07

Mechanical vibration – Measurement of vibration on ships – Part 3: Pre-installation vibration measurement of shipboard equipment; Amendment 1

**47.020.10 Trupovi i njihovi sastavni elementi**

**Europska normizacija**  
**CEN**

EN 711:2016-06  
Inland navigation vessels – Railings for decks and side decks – Requirements, designs and types

**47.020.30 Cjevodovni sustavi**

**Međunarodna normizacija**  
**ISO**

ISO 15540:2016-07  
Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Test methods

ISO 15541:2016-07  
Ships and marine technology – Fire resistance of non-metallic hose assemblies and non-metallic compensators – Requirements for the test bench

**47.020.60 Električna oprema brodova i pomorskih konstrukcija**

**Međunarodna normizacija**  
**IEC**

IEC/IEEE 80005-2:2016-06  
Utility connections in port – Part 2: High and low voltage shore connection systems – Data communication for monitoring and controls

**47.020.70 Oprema za navigaciju i upravljanje**

**Europska normizacija**  
**CEN**

EN 300065 V 2.1.2:2016-06  
Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX) – Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU

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

**Međunarodna normizacija**  
**ISO**

ISO 13073-3:2016-06  
Ships and marine technology – Risk assessment on anti-fouling systems on ships – Part 3: Human health risk assessment method of biocidally active substances used in anti-fouling paints on ships during the application and removal processes

**47.080                    Mala plovila**

**Europska normizacija  
CEN**

EN ISO 14895:2016-06  
Small craft – Liquid-fuelled galley stoves and heating appliances (ISO 14895:2016)

**Međunarodna normizacija  
ISO**

ISO 8666:2016-07  
Small craft – Principal data

**49.020                    Zrakoplovi i svemirska vozila općenito**

**Europska normizacija  
CEN**

EN 9104-002:2016-06  
Aerospace series – Quality management systems – Part 002: Requirements for Oversight of Aerospace Quality Management System Registration/Certification Programs

**49.040                    Premazivanje i srodnici procesi koji se upotrebljavaju u zrakoplovnoj industriji**

**Europska normizacija  
CEN**

EN 4474:2016-07  
Aerospace series – Aluminium pigmented coatings – Coating methods

**49.060                    Zrakoplovna električna oprema i sustavi**

**Europska normizacija  
CEN**

EN 2997-014:2016-07  
Aerospace series – Connectors, electrical, circular, coupled by threaded ring, fire-resistant or non fire-resistant, operating temperatures -65 °C to 175 °C continuous, 200 °C continuous, 260 °C peak – Part 014: Square flange receptacle with integrated accessory – Product standard

**Međunarodna normizacija  
ISO**

ISO 8056-2 AMD 1:2016-07  
Aircraft – Nickel-chromium and nickel-aluminium thermocouple extension cables – Part 2: Terminations – General requirements and tests; Amendment 1

**IEC**

IEC/PAS 62686-2:2016-07  
Process management for avionics – Electronic components for aerospace, defence and high performance (ADHP) applications – Part 2: General requirements for passive components

**49.080 Hidraulični i pneumatski sustavi i sastavni dijelovi za zrakoplove**

**Međunarodna normizacija  
ISO**

ISO 7257:2016-06  
Aircraft – Hydraulic tubing joints and fittings – Rotary flexure test

**49.090 Oprema i instrumenti u zrakoplovu**

**Međunarodna normizacija  
IEC**

IEC/PAS 62686-2:2016-07  
Process management for avionics – Electronic components for aerospace, defence and high performance (ADHP) applications – Part 2: General requirements for passive components

**49.100 Zemaljska služba i oprema za održavanje**

**Međunarodna normizacija  
ISO**

ISO 10254:2016-07  
Air cargo and ground equipment – Vocabulary

**49.120 Oprema za rukovanje teretom**

**Međunarodna normizacija  
ISO**

ISO 10254:2016-07  
Air cargo and ground equipment – Vocabulary

**49.140 Svetarski sustavi i operacije**

**Međunarodna normizacija  
ISO**

ISO 21076:2016-07  
Space data and information transfer systems – Space communications cross support – Architecture requirements document

ISO 21077:2016-07  
Space data and information transfer systems – Digital motion imagery

ISO 21080:2016-07  
Space data and information transfer systems – Licklider transmission protocol (LTP) for CCSDS

ISO 21082:2016-07  
Mission operations – MAL space packet transport binding and binary encoding

ISO 27852:2016-07  
Space systems – Estimation of orbit lifetime

## **53.020.20 Dizalice**

### **Međunarodna normizacija ISO**

ISO 4301-1:2016-07  
Cranes – Classification – Part 1: General

ISO 20332:2016-06  
Cranes – Proof of competence of steel structures

ISO 11031:2016-08  
Cranes – Principles for seismically resistant design

## **53.060 Industrijski prijevozni sustavi**

### **Europska normizacija CEN**

EN ISO 3691-1/AC:2016-06  
Industrial trucks – Safety requirements and verification – Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO 3691-1:2011, including Cor 1:2013)

EN ISO 3691-5/AC:2016-06  
Industrial trucks – Safety requirements and verification – Part 5: Pedestrian-propelled trucks (ISO 3691-5:2014)

EN ISO 3691-6/AC:2016-06  
Industrial trucks – Safety requirements and verification – Part 6: Burden and personnel carriers (ISO 3691-6:2013)

## **53.080 Skladišna oprema**

### **Europska normizacija CEN**

EN 16681:2016-06  
Steel static storage systems – Adjustable pallet racking systems – Principles for seismic design

## **53.100 Strojevi za zemljane radove**

### **Međunarodna normizacija ISO**

ISO/TR 19948:2016-08  
Earth-moving machinery – Conformity assessment and certification process

**55.020 Ambalaža, pakiranje i distribucija robe općenito**

**Međunarodna normizacija  
ISO**

ISO 17451-1:2016-07

Packaging – Codification of contents for inventories for shipments of household goods and personal effects – Part 1: Numeric codification of inventories

**55.180.01 Distribucija robe općenito**

**Europska normizacija  
CEN**

EN 15433-6:2016-07

Transportation loads – Measurement and evaluation of dynamic-mechanical loads – Part 6: Automatic recording systems for measuring randomly occurring shock during monitoring of transports

**55.180.10 Kontejneri opće namjene**

**Međunarodna normizacija  
ISO**

ISO 1496-1 AMD 1:2016-07

Series 1 freight containers – Specification and testing – Part 1: General cargo containers for general purposes; Amendment 1

ISO 1161:2016-07

Series 1 freight containers – Corner and intermediate fittings – Specifications

**55.180.30 Zrakoplovni kontejneri, palete i mreže**

**Međunarodna normizacija  
ISO**

ISO 4118:2016-07 179,50 EUR

Air cargo – Non-certified lower deck containers – Design and testing

**55.180.40 Kompleti, plombirani paketi za prijevoz**

**Međunarodna normizacija  
ISO**

ISO 13355:2016-08

Packaging – Complete, filled transport packages and unit loads – Vertical random vibration test

## **59.080.01                  Tekstili općenito**

### **Europska normizacija CEN**

EN ISO 105-D02:2016-06

Textiles – Tests for colour fastness – Part D02: Colour fastness to rubbing: Organic solvents (ISO 105-D02:2016)

EN ISO 105-G01:2016-06

Textiles – Tests for colour fastness – Part G01: Colour fastness to nitrogen oxides (ISO 105-G01:2016)

EN ISO 105-X12:2016-06

Textiles – Tests for colour fastness – Part X12: Colour fastness to rubbing (ISO 105-X12:2016)

EN ISO 105-X16:2016-06

Textiles – Tests for colour fastness – Part X16: Colour fastness to rubbing – Small areas (ISO 105-X16:2016)

## **59.080.40                  Naslojeni plošni tekstil**

### **Međunarodna normizacija ISO**

ISO 1420:2016-07

Rubber- or plastics-coated fabrics – Determination of resistance to penetration by water

## **59.080.70                  Geotekstili**

### **Međunarodna normizacija ISO**

ISO 9863-1:2016-07

Geosynthetics – Determination of thickness at specified pressures – Part 1: Single layers

## **59.120.01                  Tekstilni strojevi općenito**

### **Europska normizacija CEN**

EN ISO 11111-1:2016-06

Textile machinery – Safety requirements – Part 1: Common requirements (ISO 11111-1:2016)

## **59.120.10                  Strojevi za predenje, pletenje i tkanje**

### **Europska normizacija CEN**

EN ISO 11111-2/A2:2016-06

Textile machinery – Safety requirements – Part 2: Spinning preparatory and spinning machines – Amendment 2 (ISO 11111-2:2005/Amd 2:2016)

EN ISO 11111-4/A2:2016-06

Textile machinery – Safety requirements – Part 4: Yarn processing, cordage and rope manufacturing machinery (ISO 11111-4:2005/Amd 2:2016)

**59.120.20                    Strojevi i oprema za namotavanje**

**Europska normizacija**

**CEN**

EN ISO 11111-4/A2:2016-06

Textile machinery – Safety requirements – Part 4: Yarn processing, cordage and rope manufacturing machinery (ISO 11111-4:2005/Amd 2:2016)

**59.120.30                    Tkalački stanovi. Automatski tkalački stanovi**

**Europska normizacija**

**CEN**

EN ISO 11111-5/A2:2016-06

Textile machinery – Safety requirements – Part 5: Preparatory machinery to weaving and knitting – Amendment 2 (ISO 11111-5:2005/Amd 2:2016)

EN ISO 11111-6/A2:2016-06

Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery – Amendment 2 (ISO 11111-6:2005/Amd 2:2016)

**59.120.40                    Strojevi za pletenje**

**Europska normizacija**

**CEN**

**EN ISO 11111-5/A2:2016-06**

Textile machinery – Safety requirements – Part 5: Preparatory machinery to weaving and knitting – Amendment 2 (ISO 11111-5:2005/Amd 2:2016)

**EN ISO 11111-6/A2:2016-06**

Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery – Amendment 2 (ISO 11111-6:2005/Amd 2:2016)

**59.120.50                    Oprema za bojenje i dotjerivanje**

**Europska normizacija**

**CEN**

EN ISO 11111-7/A2:2016-06

Textile machinery – Safety requirements – Part 7: Dyeing and finishing machinery – Amendment 2 (ISO 11111-7:2005/Amd 2:2016)

**59.120.99                      Ostali tekstilni strojevi**

**Europska normizacija**

**CEN**

EN ISO 11111-3/A2:2016-06

Textile machinery – Safety requirements – Part 3: Nonwoven machinery (ISO 11111-3:2005/Amd 2:2016)

EN ISO 11111-6/A2:2016-06

Textile machinery – Safety requirements – Part 6: Fabric manufacturing machinery – Amendment 2 (ISO 11111-6:2005/Amd 2:2016)

**61.020                      Odjeća**

**Međunarodna normizacija**

**ISO**

ISO 18825-1:2016-07

Clothing – Digital fittings – Part 1: Vocabulary and terminology used for the virtual human body

ISO 18825-2:2016-07

Clothing – Digital fittings – Part 2: Vocabulary and terminology used for attributes of the virtual human body

**65.080                      Gnojiva**

**Europska normizacija**

**CEN**

EN 1482-3:2016-08

Fertilizers and liming materials – Sampling and sample preparation – Part 3: Sampling of static heaps

EN 14984:2016-07

Liming materials – Determination of product effect on soil pH – Soil incubation method

**Međunarodna normizacija**

**ISO**

ISO 15959:2016-07

Fertilizers – Determination of extracted phosphorus

ISO 18642:2016-07

Fertilizer and soil conditioners – Fertilizer grade urea – General requirements

**65.100.01                      Pesticidi i ostale poljoprivredne kemikalije općenito**

**Međunarodna normizacija**

**ISO**

ISO 765:2016-08

Pesticides considered not to require common names

**65.160                          Duhan, duhanski proizvodi i odgovarajuća oprema**

**Europska normizacija**  
**CEN**

EN ISO 12863/A1:2016-07  
Standard test method for assessing the ignition propensity of cigarettes  
(ISO 12863:2010/Amd 1:2016)

**Međunarodna normizacija**  
**ISO**

ISO 12863 AMD 1:2016-07  
Standard test method for assessing the ignition propensity of cigarettes; Amendment 1

**67.060                          Žitarice, mahunarke i proizvodi od žitarica i mahunarka**

**Europska normizacija**  
**CEN**

EN ISO 16634-2:2016-06  
Food products – Determination of the total nitrogen content by combustion according to the Dumas principle and calculation of the crude protein content – Part 2: Cereals, pulses and milled cereal products (ISO 16634-2:2016)

**67.140.20                      Kava i nadomjesci za kavu**

**Međunarodna normizacija**  
**ISO**

ISO 18862:2016-07  
Coffee and coffee products – Determination of acrylamide – Methods using HPLC-MS/MS and GC-MS after derivatization

**67.200.10                      Životinjske i biljne masti i ulja**

**Europska normizacija**  
**CEN**

EN ISO 12966-3:2016-06  
Animal and vegetable fats and oils – Gas chromatography of fatty acid methyl esters – Part 3: Preparation of methyl esters using trimethylsulfonium hydroxide (TMSH) (ISO 12966-3:2016)

**Međunarodna normizacija**  
**ISO**

ISO 11702:2016-07  
Animal and vegetable fats and oils – Enzymatic determination of total sterols content

## **71.040.20                    Laboratorijsko posuđe i odgovarajuća aparatura**

### **Međunarodna normizacija ISO**

ISO 4802-1:2016-06

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 1: Determination by titration method and classification

ISO 4802-2:2016-06

Glassware – Hydrolytic resistance of the interior surfaces of glass containers – Part 2: Determination by flame spectrometry and classification

### **IEC**

IEC 61010-2-011:2016-07

Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-011: Particular requirements for refrigerating equipment

IEC 61010-2-012:2016-07

Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-012: Particular requirements for climatic and environmental testing and other temperature conditioning equipment

## **71.040.30                    Kemijski reagensi**

### **Međunarodna normizacija ISO**

ISO/TR 16476:2016-06

Reference materials – Establishing and expressing metrological traceability of quantity values assigned to reference materials

## **71.100.50                    Kemikalije za zaštitu drveta**

### **Europska normizacija CEN**

EN 46-1:2016-06

Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 1: Application by surface treatment (laboratory method)

EN 46-2:2016-06

Wood preservatives – Determination of the preventive action against recently hatched larvae of *Hylotrupes bajulus* (Linnaeus) – Part 2: Ovicidal effect (laboratory method)

## **73.040                      Ugljen**

### **Međunarodna normizacija ISO**

ISO 13909-1:2016-07

Hard coal and coke – Mechanical sampling – Part 1: General introduction

ISO 13909-2:2016-07

Hard coal and coke – Mechanical sampling – Part 2: Coal – Sampling from moving streams

ISO 13909-3:2016-07

Hard coal and coke – Mechanical sampling – Part 3: Coal – Sampling from stationary lots

ISO 13909-4:2016-07

Hard coal and coke – Mechanical sampling – Part 4: Coal – Preparation of test samples

ISO 13909-7:2016-07

Hard coal and coke – Mechanical sampling – Part 7: Methods for determining the precision of sampling, sample preparation and testing

ISO 13909-8:2016-07

Hard coal and coke – Mechanical sampling – Part 8: Methods of testing for bias

#### **73.060.10 Željezove rude**

**Međunarodna normizacija**

**ISO**

ISO 16878:2016-07

Iron ores – Determination of metallic iron content – Iron(III) chloride titrimetric method

#### **73.060.99 Ostale rude crnih metala**

**Međunarodna normizacija**

**ISO**

ISO 13543:2016-06

Copper, lead, zinc and nickel sulfide concentrates – Determination of mass of contained metal in a lot

#### **75.080 Naftni proizvodi općenito**

**Europska normizacija**

**CEN**

EN ISO 2719:2016-07

Determination of flash point – Pensky-Martens closed cup method (ISO 2719:2016)

**Međunarodna normizacija**

**ISO**

ISO 2719:2016-06

Determination of flash point – Pensky-Martens closed cup method

#### **75.160.10 Kruta goriva**

**Europska normizacija**

**CEN**

EN ISO 16993:2016-07

Solid biofuels – Conversion of analytical results from one basis to another (ISO 16993:2016)

EN ISO 16994:2016-08  
Solid biofuels – Determination of total content of sulfur and chlorine (ISO 16994:2016)

**Međunarodna normizacija**  
**ISO**

- ISO 13909-1:2016-07  
Hard coal and coke – Mechanical sampling – Part 1: General introduction
- ISO 13909-5:2016-07  
Hard coal and coke – Mechanical sampling – Part 5: Coke – Sampling from moving streams
- ISO 13909-6:2016-07  
Hard coal and coke – Mechanical sampling – Part 6: Coke – Preparation of test samples
- ISO 13909-7:2016-07  
Hard coal and coke – Mechanical sampling – Part 7: Methods for determining the precision of sampling, sample preparation and testing
- ISO 13909-8:2016-07  
Hard coal and coke – Mechanical sampling – Part 8: Methods of testing for bias
- ISO 16993:2016-07  
Solid biofuels – Conversion of analytical results from one basis to another
- ISO 16994:2016-07  
Solid biofuels – Determination of total content of sulfur and chlorine

**75.160.20                   Tkuća goriva**

**Europska normizacija**  
**CEN**

- EN 15940:2016-06  
Automotive fuels – Paraffinic diesel fuel from synthesis or hydrotreatment – Requirements and test methods
- EN 16709/AC:2016-06  
Automotive fuels – High FAME diesel fuel (B20 and B30) – Requirements and test methods

**75.180.10                   Oprema za iskorištavanje i vađenje**

**Međunarodna normizacija**  
**ISO**

- ISO 19901-4:2016-07  
Petroleum and natural gas industries – Specific requirements for offshore structures – Part 4: Geotechnical and foundation design considerations

**75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom**

**Međunarodna normizacija  
ISO**

ISO 16486-4:2016-06

Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 4: Valves

ISO 17885 AMD 1:2016-08

Plastics piping systems – Mechanical fittings for pressure piping systems – Specifications; Amendment 1

**77.040.10 Mehaničko ispitivanje metala**

**Europska normizacija  
CEN**

EN ISO 3928:2016-07

Sintered metal materials, excluding hardmetals – Fatigue test pieces (ISO 3928:1999)

EN ISO 6892-1:2016-07

Metallic materials – Tensile testing – Part 1: Method of test at room temperature (ISO 6892-1:2016)

**Međunarodna normizacija  
ISO**

ISO 6892-1:2016-06

Metallic materials – Tensile testing – Part 1: Method of test at room temperature

**77.060 Korozija metala**

**Međunarodna normizacija  
ISO**

ISO/TR 16203:2016-07

Corrosion of metals and alloys – Guidelines for the selection of methods for particle-free erosion corrosion testing in flowing liquids

**77.080.01 Metali na bazi željeza općenito**

**Međunarodna normizacija  
ISO**

ISO 4942:2016-07

Steels and irons – Determination of vanadium content – N-BPHA spectrophotometric method

**77.100 Ferolegure**

**Europska normizacija  
CEN**

EN ISO 8049:2016-06

Ferronickel shot – Sampling for analysis (ISO 8049:2016)

**Međunarodna normizacija**  
**ISO**

ISO 8049:2016-06  
Ferronickel shot – Sampling for analysis

**77.140.10                    Toplinski obradivi čelici**

**Međunarodna normizacija**  
**ISO**

ISO 683-1:2016-06  
Heat-treatable steels, alloy steels and free-cutting steels – Part 1: Non-alloy steels for quenching and tempering

ISO 683-2:2016-06  
Heat-treatable steels, alloy steels and free-cutting steels – Part 2: Alloy steels for quenching and tempering

ISO 683-3:2016-07  
Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels

ISO 683-4:2016-07  
Heat-treatable steels, alloy steels and free-cutting steels – Part 4: Free-cutting steels

**77.140.20                    Nehrdajući čelici**

**Međunarodna normizacija**  
**ISO**

ISO 683-1:2016-06  
Heat-treatable steels, alloy steels and free-cutting steels – Part 1: Non-alloy steels for quenching and tempering

ISO 683-2:2016-06  
Heat-treatable steels, alloy steels and free-cutting steels – Part 2: Alloy steels for quenching and tempering

ISO 683-3:2016-07  
Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels

ISO 683-4:2016-07  
Heat-treatable steels, alloy steels and free-cutting steels – Part 4: Free-cutting steels

**77.140.30                    Čelici za tlačne svrhe**

**Europska normizacija**  
**CEN**

EN 10213+A1:2016-06  
Steel castings for pressure purposes

EN 10028-7:2016-07  
Flat products made of steels for pressure purposes – Part 7: Stainless steels

EN 10272:2016-07

Stainless steel bars for pressure purposes

EN 10273:2016-07

Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties

#### **77.140.45 Nelegirani čelici**

**Međunarodna normizacija**

**ISO**

ISO 683-1:2016-06

Heat-treatable steels, alloy steels and free-cutting steels – Part 1: Non-alloy steels for quenching and tempering

ISO 683-2:2016-06

Heat-treatable steels, alloy steels and free-cutting steels – Part 2: Alloy steels for quenching and tempering

#### **77.140.50 Proizvodi i poluproizvodi od plosnatog čelika**

**Europska normizacija**

**CEN**

EN 10028-7:2016-07

Flat products made of steels for pressure purposes – Part 7: Stainless steels

EN 10363:2016-07

Continuously hot-rolled patterned steel strip and plate/sheet cut from wide strip – Tolerances on dimensions and shape

**Međunarodna normizacija**

**ISO**

ISO 3575:2016-07

Continuous hot-dip zinc-coated and zinc-iron alloy-coated carbon steel sheet of commercial and drawing qualities

#### **77.140.60 Čelični šipke i žice**

**Europska normizacija**

**CEN**

EN 10272:2016-07

Stainless steel bars for pressure purposes

EN 10273:2016-07

Hot rolled weldable steel bars for pressure purposes with specified elevated temperature properties

**77.150.10****Proizvodi od aluminija****Europska normizacija****CEN**

EN 754-7:2016-06

Aluminium and aluminium alloys – Cold drawn rod/bar and tube – Part 7: Seamless tubes, tolerances on dimensions and form

EN 754-8:2016-06

Aluminium and aluminium alloys – Cold drawn rod/bar and tube – Part 8: Porthole tubes, tolerances on dimensions and form

EN 755-1:2016-06

Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 1: Technical conditions for inspection and delivery

EN 755-7:2016-06

Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 7: Seamless tubes, tolerances on dimensions and form

EN 755-8:2016-06

Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 8: Porthole tubes, tolerances on dimensions and form

EN 755-9:2016-06

Aluminium and aluminium alloys – Extruded rod/bar, tube and profiles – Part 9: Profiles, tolerances on dimensions and form

EN 485-1:2016-07

Aluminium and aluminium alloys – Sheet, strip and plate – Part 1: Technical conditions for inspection and delivery

EN 485-2:2016-07

Aluminium and aluminium alloys – Sheet, strip and plate – Part 2: Mechanical properties

**77.150.30****Proizvodi od bakra****Europska normizacija****CEN**

EN 12163:2016-07

Copper and copper alloys – Rod for general purposes

EN 12164:2016-07

Copper and copper alloys – Rod for free machining purposes

EN 12165:2016-07

Copper and copper alloys – Wrought and unwrought forging stock

EN 12166:2016-07

Copper and copper alloys – Wire for general purposes

EN 12167:2016-07

Copper and copper alloys – Profiles and bars for general purposes

EN 12168:2016-07

Copper and copper alloys – Hollow rod for free machining purposes

**77.160                    Metalurgija praha**

**Europska normizacija**  
**CEN**

EN ISO 3928:2016-07  
Sintered metal materials, excluding hardmetals – Fatigue test pieces (ISO 3928:1999)

**79.120.10                Strojevi za obradu drva**

**Europska normizacija**  
**CEN**

EN 50632-3-1:2016-07  
Electric motor-operated tools – Dust measurement procedure – Part 3-1: Particular requirements for transportable table saws

**81.040.20                Staklo u graditeljstvu**

**Europska normizacija**  
**CEN**

EN 14179-1:2016-07  
Glass in building – Heat soaked thermally toughened soda lime silicate safety glass – Part 1: Definition and description

**81.040.30                Proizvodi od stakla**

**Međunarodna normizacija**  
**ISO**

ISO 3536:2016-06  
Road vehicles – Safety glazing materials – Vocabulary

**81.060.30                Tehnička keramika**

**Međunarodna normizacija**  
**ISO**

ISO 17561:2016-07  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for elastic moduli of monolithic ceramics at room temperature by sonic resonance

ISO 18071:2016-07  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of antiviral activity of semiconducting photocatalytic materials under indoor lighting environment – Test method using bacteriophage Q-beta

ISO 20808:2016-07  
Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of friction and wear characteristics of monolithic ceramics by ball-on-disc method

## **83.040.10 Lateks i sirova guma**

### **Međunarodna normizacija ISO**

ISO 249:2016-07

Rubber, raw natural – Determination of dirt content

ISO 19246:2016-07

Rubber compounding ingredients – Silica – Oil absorption of precipitated silica

## **83.060 Guma**

### **Međunarodna normizacija ISO**

ISO 9924-1:2016-08

Rubber and rubber products – Determination of the composition of vulcanizates and uncured compounds by thermogravimetry – Part 1: Butadiene, ethylene-propylene copolymer and terpolymer, isobutene-isoprene, isoprene and styrene-butadiene rubbers

ISO 9924-2:2016-08

Rubber and rubber products – Determination of the composition of vulcanizates and uncured compounds by thermogravimetry – Part 2: Acrylonitrile-butadiene and halobutyl rubbers

## **83.080.01 Plastika općenito**

### **Međunarodna normizacija ISO**

ISO 14853:2016-07

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

## **83.100 Pjenasti materijali**

### **Međunarodna normizacija ISO**

ISO 4590:2016-07

Rigid cellular plastics – Determination of the volume percentage of open cells and of closed cells

## **83.180 Adhezivi**

### **Europska normizacija CEN**

EN 12703:2016-08

Adhesives for paper and board, packaging and disposable sanitary products – Determination of low temperature flexibility or cold crack temperature

EN 12704:2016-08

Adhesives for paper and board, packaging and disposable sanitary products – Determination of foam formation for aqueous adhesives

EN 14713:2016-08

Adhesives for paper and board, packaging and disposable sanitary products – Determination of friction properties of films potentially suitable for bonding

**85.060                    Papir i karton**

**Europska normizacija**

**CEN**

EN ISO 8254-2:2016-07

Paper and board – Measurement of specular gloss – Part 2: 75 degree gloss with a parallel beam, DIN method (ISO 8254-2:2016)

**Međunarodna normizacija**

**ISO**

ISO 8254-2:2016-06

Paper and board – Measurement of specular gloss – Part 2: 75 degree gloss with a parallel beam, DIN method

**87.040                    Boje i lakovi**

**Međunarodna normizacija**

**ISO**

ISO 1514:2016-08

Paints and varnishes – Standard panels for testing

ISO 3248:2016-08

Paints and varnishes – Determination of the effect of heat

ISO 4623-2:2016-08

Paints and varnishes – Determination of resistance to filiform corrosion – Part 2: Aluminium substrates

**87.060.20                Veziva**

**Europska normizacija**

**CEN**

EN ISO 4629-1:2016-06

Binders for paints and varnishes – Determination of hydroxyl value – Part 1: Titrimetric method without using a catalyst (ISO 4629-1:2016)

EN ISO 4629-2:2016-06

Binders for paints and varnishes – Determination of hydroxyl value – Part 2: Titrimetric method using a catalyst (ISO 4629-2:2016)

**Međunarodna normizacija**

**ISO**

ISO 4629-1:2016-06

Binders for paints and varnishes – Determination of hydroxyl value – Part 1: Titrimetric method without using a catalyst

ISO 4629-2:2016-06

Binders for paints and varnishes – Determination of hydroxyl value – Part 2: Titrimetric method using a catalyst

**91.010.99                    Ostali aspekti**

**Europska normizacija  
CEN**

CEN/TR 16970:2016-07  
Sustainability of construction works – Guidance for the implementation of EN 15804

**91.040.01                    Građevine općenito**

**Međunarodna normizacija  
ISO**

ISO/TR 16822:2016-07  
Building environment design – List of test procedures for heating, ventilating, air-conditioning and domestic hot water equipment related to energy efficiency

**91.060.10                    Zidovi. Pregrade. Pročelja**

**Europska normizacija  
CEN**

EN 14019:2016-06  
Curtain Walling – Impact resistance – Performance requirements

EN 16758:2016-06  
Curtain walling – Determination of the strength of sheared connections – Test method and requirements

**91.060.20                    Krovovi**

**Europska normizacija  
CEN**

EN 13501-5:2016-06  
Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests

**91.060.50                    Vrata i prozori**

**Europska normizacija  
CEN**

EN 16361+A1:2016-07  
Power operated pedestrian doors – Product standard, performance characteristics – Pedestrian doorsets, other than swing type, initially designed for installation with power operation

**91.080.20 Drvene konstrukcije**

**Međunarodna normizacija  
ISO**

ISO 12122-3:2016-07

Timber structures – Determination of characteristic values – Part 3: Glued laminated timber

**91.080.30 Zidarstvo**

**Europska normizacija  
CEN**

EN 845-1+A1:2016-07

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

EN 845-2+A1:2016-07

Specification for ancillary components for masonry – Part 2: Lintels

EN 845-3+A1:2016-07

Specification for ancillary components for masonry – Part 3: Bed joint reinforcement of steel meshwork

**91.100.10 Cement. Gips. Vapno. Mort**

**Europska normizacija  
CEN**

EN 1015-12:2016-06

Methods of test for mortar for masonry – Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates

**91.100.23 Keramičke pločice**

**Europska normizacija  
CEN**

EN 14411:2016-07

Ceramic tiles – Definition, classification, characteristics, assessment and verification of constancy of performance and marking

**91.100.40 Proizvodi od vlaknima ojačanog cementa**

**Europska normizacija  
CEN**

EN 492+A1:2016-07

Fibre-cement slates and fittings – Product specification and test methods

EN 12467+A1:2016-07

Fibre-cement flat sheets – Product specification and test methods

## **91.100.50 Veziva. Materijali za brtvljenje**

### **Europska normizacija CEN**

EN 12039:2016-06

Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of adhesion of granules

### **Međunarodna normizacija ISO**

ISO 11528:2016-08

Buildings and civil engineering works – Sealants – Determination of crazing and cracking following exposure to artificial or natural weathering

## **91.100.60 Materijali za toplinsku i zvučnu izolaciju**

### **Europska normizacija CEN**

EN 13165+A2:2016-06

Thermal insulation products for buildings – Factory made rigid polyurethane foam (PU) products – Specification

EN 13166+A2:2016-06

Thermal insulation products for buildings – Factory made phenolic foam (PF) products – Specification

## **91.120.10 Toplinska izolacija**

### **Međunarodna normizacija ISO**

ISO 12572:2016-08

Hygrothermal performance of building materials and products – Determination of water vapour transmission properties – Cup method

## **91.140.30 Sustavi prozračivanja i klimatizacije**

### **Europska normizacija CEN**

EN ISO 16170:2016-07

In situ test methods for high efficiency filter systems in industrial facilities (ISO 16170:2016)

### **Međunarodna normizacija ISO**

ISO 16170:2016-07

In situ test methods for high efficiency filter systems in industrial facilities

ISO 15858:2016-07

UV-C Devices – Safety information – Permissible human exposure

## **91.140.50                    Sustavi opskrbe električnom energijom**

### **Europska normizacija CENELEC**

EN 62052-31:2016-06

Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests (IEC 62052-31:2015)

### **Međunarodna normizacija IEC**

IEC 60364-5-55 AMD 2:2016-07

Electrical installations of buildings – Part 5-55: Selection and erection of electrical equipment – Other equipment; Amendment 2

IEC 60364-5-55 Edition 2.2:2016-07

Electrical installations of buildings – Part 5-55: Selection and erection of electrical equipment – Other equipment

## **91.140.65                    Oprema za grijanje vode**

### **Europska normizacija CENELEC**

EN 12897:2016-06

Water supply – Specification for indirectly heated unvented (closed) storage water heaters

EN 50193-1:2016-07

Electric instantaneous water heaters – Methods for measuring the Performance – Part 1: General requirements

## **91.140.70                    Sanitarne instalacije**

### **Europska normizacija CEN**

EN 14527:2016-06

Shower trays for domestic purposes

## **93.080.20                    Materijali za gradnju cesta**

### **Europska normizacija CEN**

EN 13108-1:2016-06

Bituminous mixtures – Material specifications – Part 1: Asphalt Concrete

EN 13108-2:2016-06

Bituminous mixtures – Material specifications – Part 2: Asphalt Concrete for Very Thin Layers (BBTM)

EN 13108-3:2016-06

Bituminous mixtures – Material specifications – Part 3: Soft Asphalt

EN 13108-4:2016-06

Bituminous mixtures – Material specifications – Part 4: Hot Rolled Asphalt

EN 13108-5:2016-06  
Bituminous mixtures – Material specifications – Part 5: Stone Mastic Asphalt

EN 13108-8:2016-06  
Bituminous mixtures – Material specifications – Part 8: Reclaimed asphalt

EN 13108-20:2016-06  
Bituminous mixtures – Material specifications – Part 20: Type Testing

EN 12697-25:2016-07  
Bituminous mixtures – Test methods – Part 25: Cyclic compression test

### **93.080.30                   Cestovna oprema i instalacije**

**Europska normizacija**  
**CEN**

EN 16949:2016-06  
Road restraint system – Pedestrian restraint system – Pedestrian parapets

EN 1794-3:2016-07  
Road traffic noise reducing devices – Non-acoustic performance – Part 3: Reaction to fire – Burning behaviour of noise reducing devices and classification

### **93.100                   Gradnja željezničkih pruga**

**Europska normizacija**  
**CEN**

EN 16730:2016-06  
Railway applications – Track – Concrete sleepers and bearers with under sleeper pads

### **97.040.40               Strojevi za pranje posuđa**

**Europska normizacija**  
**CENELEC**

EN 50242/EN 60436:2016-07  
Electric dishwashers for household use – Methods for measuring the performance (IEC 60436:2004, modified + A1:2009, modified + A2:2012, modified)

### **97.040.50               Mali kuhinjski uređaji**

**Međunarodna normizacija**  
**IEC**

IEC 60335-2-14:2016-06  
Household and similar electrical appliances – Safety – Part 2-14: Particular requirements for kitchen machines

**97.080                   Uređaji za čišćenje podova**

**Međunarodna normizacija**  
**IEC**

IEC 60335-2-69:2016-06

Household and similar electrical appliances – Safety – Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush, for commercial use

IEC 60335-2-79:2016-06

Household and similar electrical appliances – Safety – Part 2-79: Particular requirements for high pressure cleaners and steam cleaners

**97.130.20               Trgovački rashladni uređaji**

**Europska normizacija**  
**CEN**

EN 16838:2016-07

Refrigerated display scooping cabinets for gelato – Classification, requirements and test conditions

**97.140                   Namještaj**

**Europska normizacija**  
**CEN**

EN 581-2/AC:2016-07

Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating

**97.160                   Kućanski tekstili. Posteljina**

**Europska normizacija**  
**CEN**

EN 1102:2016-08

Textiles and textile products – Burning behaviour – Curtains and drapes – Detailed procedure to determine the flame spread of vertically oriented specimens

**97.170                   Oprema za njegu tijela**

**Međunarodna normizacija**  
**ISO**

IEC 60335-2-23:2016-06

Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care

**97.195                    Umjetnički i obrtnički predmeti**

**Europska normizacija**  
**CEN**

EN 16790:2016-06  
Conservation of cultural heritage – Integrated pest management (IPM) for protection of cultural heritage

**97.200.30                Oprema za kampiranje i kampove**

**Europska normizacija**  
**CEN**

EN 13538-3:2016-06  
Determination of dimensional characteristics of sleeping bags – Part 3: Volume under load and easiness of packing

EN 581-2/AC:2016-07  
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 2: Mechanical safety requirements and test methods for seating