

Hrvatski zavod za norme

Oglasnik za normativne dokumente

1/2019 siječanj, 2019.

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

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 16925:2019 en pr
Stabilni protupožarni sustavi – Automatski sustavi za prskanje (sprinkler sustavi) u stambenom prostoru – Projektiranje, ugradnja i održavanje (EN 16925:2018)
Fixed firefighting systems – Automatic residential sprinkler systems – Design, installation and maintenance (EN 16925:2018)

HZN/TO 43, *Akustika*

HRN EN ISO 17201-1:2019 en pr
Akustika – Buka streljana – 1. dio: Mjerenje praska koji nastaje na izlazu iz cijevi (ISO 17201-1:2018; EN ISO 17201-1:2018)
Acoustics – Noise from shooting ranges – Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2018; EN ISO 17201-1:2018)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 20601:2019 en pr
Nerazorno ispitivanje zavara – Ultrazvučno ispitivanje – Upotreba automatske višepretvorničke tehnologije za čelične komponente tankih stijenki (ISO 20601:2018; EN ISO 20601:2018)
Non-destructive testing of welds – Ultrasonic testing – Use of automated phased array technology for thin-walled steel components (ISO 20601:2018; EN ISO 20601:2018)

HZN/TO 71, *Beton*

HRN EN 12390-10:2019 en pr
Ispitivanje očvrslinutoga betona – 10. dio: Određivanje otpornosti betona na karbonizaciju pri atmosferskim razinama ugljičnog dioksida (EN 12390-10:2018)
Testing hardened concrete – Part 10: Determination of the carbonation resistance of concrete at atmospheric levels of carbon dioxide (EN 12390-10:2018)

HRI CEN/TR 15868:2019 en pr
Istraživanje o odredbama važećim na mjestu upotrebe koje se upotrebljavaju zajedno s europskom normom za beton EN 206 i o razvoju prakse (CEN/TR 15868:2018)
Survey on provisions valid in the place of use used in conjunction with the European concrete standard and developing practice (CEN/TR 15868:2018)

HZN/TO 74, *Cement i vapno*

HRN EN 196-6:2019 en pr
Metode ispitivanja cementa – 6. dio: Određivanje finoće (EN 196-6:2018)
Methods of testing cement – Part 6: Determination of fineness (EN 196-6:2018)

HRN EN 196-11:2019 en pr
Metode ispitivanja cementa – 11. dio: Toplina hidratacije – Postupak izotermalne kondukcijske kalorimetrije (EN 196-11:2018)
Methods of testing cement – Part 11: Heat of hydration – Isothermal Conduction Calorimetry method (EN 196-11:2018)

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

HRN EN 14825:2019 en pr
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajka (EN 14825:2018)
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance (EN 14825:2018)

HZN/TO 92, *Zaštita od požara*

HRN EN 13501-1:2019 en pr
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 1. dio: Razredba prema rezultatima ispitivanja reakcije na požar (EN 13501-1:2018)
Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests (EN 13501-1:2018)

HRN EN 13501-6:2019 en pr
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 6. dio: Razredba prema rezultatima ispitivanja reakcije na požar energetskih, upravljačkih i komunikacijskih kabela (EN 13501-6:2018)
Fire classification of construction products and building elements – Part 6: Classification using data from reaction to fire tests on power, control and communication cables (EN 13501-6:2018)

HZN/TO 108, *Mehaničke vibracije i udari*

HRN EN ISO 28927-4:2011/A1:2019 en pr
Ručni prijenosni strojni alati – Metode ispitivanja za vrednovanje emisije vibracije – 4. dio: Ravne brusilice – Amandman 1: Konusne žičane četke (ISO 28927-4:2010/Amd 1:2017; EN ISO 28927-4:2010/A1:2018)
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 4: Straight grinders – Amendment 1: Cupped wire brushes (ISO 28927-4:2010/Amd 1:2017; EN ISO 28927-4:2010/A1:2018)

HZN/TO 135, *Nerazorna ispitivanja*

HRS CEN ISO/TS 25108:2019 en pr
Nerazorno ispitivanje – Smjernice za organizacije koje provode osposobljavanje NDT osoblja (ISO/TS 25108:2018; CEN ISO/TS 25108:2018)
Non-destructive testing – NDT personnel training organizations (ISO/TS 25108:2018; CEN ISO/TS 25108:2018)

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

HRN EN ISO 13257:2019 en pr
Plastomerni cijevni sustavi za odvodnju onečišćenih i otpadnih voda unutar zgrada – Metoda ispitivanja za određivanje otpornosti pri cikličkim promjenama temperature (ISO 13257:2018; EN ISO 13257:2018)
Thermoplastics piping systems for non-pressure applications – Test method for resistance to elevated temperature cycling (ISO 13257:2018; EN ISO 13257:2018)

HRS CEN ISO/TS 15874-7:2019 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polipropilen (PP) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15874-7:2018; CEN ISO/TS 15874-7:2018)
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 7: Guidance for the assessment of conformity (ISO/TS 15874-7:2018; CEN ISO/TS 15874-7:2018)

HRS CEN ISO/TS 15875-7:2019 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Umreženi polietilen (PE-X) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15875-7:2018; CEN ISO/TS 15875-7:2018)
Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 7: Guidance for the assessment of conformity (ISO/TS 15875-7:2018; CEN ISO/TS 15875-7:2018)

HRS CEN ISO/TS 15876-7:2019 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15876-7:2018; CEN ISO/TS 15876-7:2018)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 7: Guidance for the assessment of conformity (ISO/TS 15876-7:2018; CEN ISO/TS 15876-7:2018)

HRS CEN ISO/TS 15877-7:2019 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani poli(vinil-klorid) (PVC-C) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15877-7:2018; CEN ISO/TS 15877-7:2018)
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 7: Guidance for the assessment of conformity (ISO/TS 15877-7:2018; CEN ISO/TS 15877-7:2018)

HRS CEN ISO/TS 22391-7:2019 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 7. dio: Upute za ocjenjivanje sukladnosti (ISO/TS 22391-7:2018; CEN ISO/TS 22391-7:2018)
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 7: Guidance for the assessment of conformity (ISO/TS 22391-7:2018; CEN ISO/TS 22391-7:2018)

HZN/TO 147, Kvaliteta vode

HRN EN ISO 11704:2019 en pr
Kvaliteta vode – Ukupna alfa i ukupna beta aktivnost – Metoda ispitivanja s upotrebom tekućinske scintilacije (ISO 11704:2018; EN ISO 11704:2018)
Water quality – Gross alpha and gross beta activity – Test method using liquid scintillation counting (ISO 11704:2018; EN ISO 11704:2018)

HRN EN 17075:2019 en pr
Kvaliteta vode – Opći zahtjevi i postupci ispitivanja svojstava opreme za praćenje stanja vode – Mjerni uređaji (EN 17075:2018)
Water quality – General requirements and performance test procedures for water monitoring equipment – Measuring devices (EN 17075:2018)

HRN EN 17123:2019 en pr
Kvaliteta vode – Upute za određivanje stupnja promjene hidromorfoloških svojstava prijelaznih i obalnih voda (EN 17123:2018)
Water quality – Guidance on determining the degree of modification of the hydromorphological features of transitional and coastal waters (EN 17123:2018)

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

HRN EN ISO 11348-1:2010/A1:2019 en pr
Kvaliteta vode – Određivanje inhibitorynog učinka vodenih uzoraka na emisiju svjetla bakterije *Vibrio fischeri* (Test sa svjetlećim bakterijama) – 1. dio: Metoda u kojoj se upotrebljavaju svježe pripremljene bakterije (ISO 11348-1:2007/Amd 1:2018; EN ISO 11348-1:2008/A1:2018)
Water quality – Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test) – Part 1: Method using freshly prepared bacteria (ISO 11348-1:2007/Amd 1:2018; EN ISO 11348-1:2008/A1:2018)

HRN EN ISO 11348-2:2010/A1:2019 en pr
Kvaliteta vode – Određivanje inhibitorynog učinka vodenih uzoraka na emisiju svjetla bakterije *Vibrio fischeri* (Test sa svjetlećim bakterijama) – 2. dio: Metoda u kojoj se upotrebljavaju dehidrirane bakterije (ISO 11348-2:2007/Amd 1:2018; EN ISO 11348-2:2008/A1:2018)
Water quality – Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test) – Part 2: Method using liquid-dried bacteria (ISO 11348-2:2007/Amd 1:2018; EN ISO 11348-2:2008/A1:2018)

HRN EN ISO 11348-3:2010/A1:2019 en pr
Kvaliteta vode – Određivanje inhibitorynog učinka vodenih uzoraka na emisiju svjetla bakterije *Vibrio fischeri* (Test sa svjetlećim bakterijama) – 3. dio: Metoda u kojoj se upotrebljavaju liofilizirane bakterije (ISO 11348-3:2007/Amd 1:2018; EN ISO 11348-3:2008/A1:2018)
Water quality – Determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (Luminescent bacteria test) – Part 3: Method using freeze-dried bacteria (ISO 11348-3:2007/Amd 1:2018; EN ISO 11348-3:2008/A1:2018)

HZN/TO 165, Drvene konstrukcije

HRN EN 16929:2019 en pr
Metode ispitivanja – Sustavi drvenih podova – Određivanje vibracijskih svojstava (EN 16929:2018)
Test Methods – Timber flooring systems – Determination of vibration properties (EN 16929:2018)

HZN/TO 179, Zidane konstrukcije

HRN EN 772-22:2019 en pr
Metode ispitivanja zidnih elemenata – 22. dio: Određivanje otpornosti opečnih zidnih elemenata na zamrzavanje i odmrzavanje (EN 772-22:2018)
Methods of test for masonry units – Part 22: Determination of freeze/thaw resistance of clay masonry units (EN 772-22:2018)

HZN/TO 181, Sigurnost igračka i proizvodi za djecu

HRN EN 71-14:2019 en pr
Sigurnost igračka – 14. dio: Trampolini za kućnu uporabu (EN 71-14:2018)
Safety of toys – Part 14: Trampolines for domestic use (EN 71-14:2018)

HRN EN 1888-1:2019 en pr
Proizvodi za dojenčad i malu djecu – Dječja kolica – 1. dio: Sklopiva kolica i kolica za novorođenčad (EN 1888-1:2018)
Child care articles – Wheeled child conveyances – Part 1: Pushchairs and prams (EN 1888-1:2018)

HRN EN 1888-2:2019 en pr
Proizvodi za dojenčad i malu djecu – Dječja kolica – 2. dio: Sklopiva kolica za djecu između 15 i 22 kg težine (EN 1888-2:2018)
Child care articles – Wheeled child conveyances – Part 2: Pushchairs for children above 15 kg up to 22 kg (EN 1888-2:2018)

HRN EN 17072:2019 en pr
Proizvodi za dojenčad i malu djecu – Dječje kadice, postolja i dodaci za kupanje koji se upotrebljavaju uz kadice – Sigurnosni zahtjevi i metode ispitivanja (EN 17072:2018)
Child care articles – Bath tubs, stands and non-standalone bathing aids – Safety requirements and test methods (EN 17072:2018)

HZN/TO 182, Geotehničke konstrukcije

HRN EN 12716:2019 en pr
Izvedba posebnih geotehničkih radova – Mlazno injektiranje (EN 12716:2018)
Execution of special geotechnical work – Jet grouting (EN 12716:2018)

HRN EN ISO 17892-10:2019 en pr
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 10. dio: Izravni posmik (ISO 17892-10:2018; EN ISO 17892-10:2018)
Geotechnical investigation and testing – Laboratory testing of soil – Part 10: Direct shear tests (ISO 17892-10:2018; EN ISO 17892-10:2018)

HRN EN ISO 22477-1:2019 en pr
Geotehničko istraživanje i ispitivanje – Ispitivanje geotehničkih konstrukcija – 1. dio: Ispitivanje pilota statičkim tlačnim opterećenjem (ISO 22477-1:2018; EN ISO 22477-1:2018)
Geotechnical investigation and testing – Testing of geotechnical structures – Part 1: Testing of piles: static compression load testing (ISO 22477-1:2018; EN ISO 22477-1:2018)

HZN/TO 190, Kvaliteta tla

HRN EN ISO 15175:2019 en pr
Kvaliteta tla – Karakterizacija onečišćenog tla koja se odnosi na zaštitu podzemnih voda (ISO 15175:2018; EN ISO 15175:2018)
Soil quality – Characterization of contaminated soil related to groundwater protection (ISO 15175:2018; EN ISO 15175:2018)

HRN EN ISO 16133:2019 en pr
Kvaliteta tla – Upute o uspostavljanju i provođenju programa nadzora (ISO 16133:2018; EN ISO 16133:2018)
Soil quality – Guidance on the establishment and maintenance of monitoring programmes (ISO 16133:2018; EN ISO 16133:2018)

- HRN ISO 18400-104:2019 en pr
Kvaliteta tla – Uzorkovanje – 104. dio: Strategije
(ISO 18400-104:2018)
Soil quality – Sampling – Part 104: Strategies
(ISO 18400-104:2018)
- HRN ISO 18400-202:2019 en pr
Kvaliteta tla – Uzorkovanje – 202. dio: Preliminarna istraživanja
(ISO 18400-202:2018)
Soil quality – Sampling – Part 202: Preliminary investigations
(ISO 18400-202:2018)
- HRN ISO 18400-203:2019 en pr
Kvaliteta tla – Uzorkovanje – 203. dio: Istraživanje potencijalno
onečišćenih lokacija (ISO 18400-203:2018)
Soil quality – Sampling – Part 203: Investigation of potentially
contaminated sites (ISO 18400-203:2018)
- HRN ISO 18400-205:2019 en pr
Kvaliteta tla – Uzorkovanje – 205. dio: Upute za postupke
istraživanja prirodnih, gotovo prirodnih i kultiviranih površina
(ISO 18400-205:2018)
Soil quality – Sampling – Part 205: Guidance on the procedure
for investigation of natural, near-natural and cultivated sites
(ISO 18400-205:2018)
- HRN ISO 18400-206:2019 en pr
Kvaliteta tla – Uzorkovanje – 206. dio: Prikupljanje, rukovanje
i skladištenje uzoraka tla pod aerobnim uvjetima u svrhu
procjene mikrobioloških procesa, biomase i raznolikosti u
laboratoriju (ISO 18400-206:2018)
Soil quality – Sampling – Part 206: Collection, handling and
storage of soil under aerobic conditions for the assessment
of microbiological processes, biomass and diversity in the
laboratory (ISO 18400-206:2018)

HZN/TO 221, Geosintetici

- HRN EN ISO 12957-1:2019 en pr
Geosintetici – Određivanje značajka trenja – 1. dio: Ispitivanje
izravnim posmikom (ISO 12957-1:2018; EN ISO 12957-1:2018)
Geosynthetics – Determination of friction characteristics
– Part 1: Direct shear test (ISO 12957-1:2018;
EN ISO 12957-1:2018)
- HRN EN ISO 13438:2019 en pr
Geosintetici – Selektivna metoda ispitivanja za određivanje
otpornosti na oksidaciju geotekstila i proizvoda srodnih
geotekstilu (ISO 13438:2018; EN ISO 13438:2018)
Geosynthetics – Screening test method for determining the
resistance of geotextiles and geotextile-related products to
oxidation (ISO 13438:2018; EN ISO 13438:2018)

HZN/TO 228, Usluge u turizmu

- HRN ISO 20611:2019 en pr
Pustolovni turizam – Dobra praksa za održivost – Zahtjevi i
preporuke (ISO 20611:2018)
Adventure tourism – Good practices for sustainability
– Requirements and recommendations (ISO 20611:2018)
- HRN ISO 21426:2019 en pr
Turističke i srodne usluge – Zdravstveni turizam na izvorima
ljevakovite vode – Zahtjevi za usluge (ISO 21426:2018)
Tourism and related services – Medical spas – Service
requirements (ISO 21426:2018)

HZN/TO 502, Plinski uređaji

- HRN EN ISO 13203-5:2019 en pr
Kućanski plinski uređaji za grijanje vode – 5. dio: Ocjenjivanje
potrošnje energije plinskih uređaja kombiniranih s električnom
dizalicom topline (EN 13203-5:2018)
Gas-fired domestic appliances producing hot water – Part 5:
Assessment of energy consumption of gas fired appliances
combined with electrical heat pump (EN 13203-5:2018)
- HRN EN ISO 15112:2019 en pr
Prirodni plin – Određivanje ogrjevne vrijednosti
(ISO 15112:2018; EN ISO 15112:2018)
Natural gas – Energy determination (ISO 15112:2018;
EN ISO 15112:2018)
- HRN EN ISO 16436-2:2019 en pr
Gumena i plastična crijeva, cijevi i spojevi za upotrebu
propana, butana i njihovih mješavina u parnoj fazi – 2. dio:
Spojevi (EN 16436-2:2018)
Rubber and plastics hoses, tubing and assemblies for use
with propane and butane and their mixture in the vapour
phase – Part 2: Assemblies (EN 16436-2:2018)

HZN/TO 503, Metalni materijali

- HRN EN ISO 3211:2019 en pr
Anodizacija aluminijskih i njegovih legura – Ocjenjivanje
otpornosti prevlaka dobivenih anodnom oksidacijom na
nastajanje pukotina pri deformiranju (ISO 3211:2018;
EN ISO 3211:2018)
Anodizing of aluminium and its alloys – Assessment of
resistance of anodic oxidation coatings to cracking by
deformation (ISO 3211:2018; EN ISO 3211:2018)
- HRN EN ISO 6506-2:2019 en pr
Metalni materijali – Ispitivanje tvrdoće prema Brinellu
– 2. dio: Provjeravanje i umjeravanje ispitnih uređaja
(ISO 6506-2:2017; EN ISO 6506-2:2018)
Metallic materials – Brinell hardness test – Part 2: Verification
and calibration of testing machines (ISO 6506-2:2017;
EN ISO 6506-2:2018)
- HRN EN ISO 8994:2019 en pr
Anodizacija aluminijskih i aluminijevih legura – Vrijednosni sustav
za vrednovanje rupičaste korozije – Metoda iscrtavanjem
mreže (ISO 8994:2018; EN ISO 8994:2018)
Anodizing of aluminium and its alloys – Rating system for the
evaluation of pitting corrosion – Grid method (ISO 8994:2018;
EN ISO 8994:2018)
- HRN ISO 14707:2019 en pr
Površinska kemijska analiza – Optička emisijska spektrometrija
(GD-OES) – Uvod u uporabu (ISO 14707:2015)
Surface chemical analysis – Glow discharge optical
emission spectrometry (GD-OES) – Introduction to use
(ISO 14707:2015)
- HRN ISO 18115-1:2019 en pr
Površinska kemijska analiza – Terminološki rječnik – 1. dio:
Opći nazivi i nazivi koji se upotrebljavaju u spektroskopiji
(ISO 18115-1:2013)
Surface chemical analysis – Vocabulary – Part 1: General
terms and terms used in spectroscopy (ISO 18115-1:2013)
- HRN ISO 18115-2:2019 en pr
Površinska kemijska analiza – Terminološki rječnik – 2. dio:
Nazivi koji se upotrebljavaju u mikroskopiji s pretražnom
sondom (ISO 18115-2:2013)
Surface chemical analysis – Vocabulary – Part 2: Terms used
in scanning-probe microscopy (ISO 18115-2:2013)

HZN/TO 504, Korozija i zaštita metala i legura

- HRN EN ISO 6158:2019 en pr
Metalne i druge anorganske prevlake – Elektronanesene
kromatne prevlake za inženjerske namjene (ISO 6158:2018;
EN ISO 6158:2018)
Metallic and other inorganic coatings – Electrodeposited
coatings of chromium for engineering purposes
(ISO 6158:2018; EN ISO 6158:2018)
- HRN ISO 9587:2019 en pr
Metalne i druge anorganske prevlake – Predobrada željeza
ili čelika s ciljem smanjenja mogućnosti pojave vodikove
krhkosti (ISO 9587:2007)
Metallic and other inorganic coatings – Pretreatment of
iron or steel to reduce the risk of hydrogen embrittlement
(ISO 9587:2007)
- HRN ISO 9588:2019 en pr
Metalne i druge anorganske prevlake – Naknadna obrada
željeza ili čelika s ciljem smanjenja mogućnosti pojave
vodikove krhkosti (ISO 9588:2007)
Metallic and other inorganic coatings – Post-coating treatments
of iron or steel to reduce the risk of hydrogen embrittlement
(ISO 9588:2007)
- HRN ISO 9591:2019 en pr
Korozija aluminijevih legura – Određivanje otpornosti na
korozijsko raspucavanje uz naprezanje (ISO 9591:2004)
Corrosion of aluminium alloys – Determination of resistance
to stress corrosion cracking (ISO 9591:2004)

HZN/TO 505, Prijenos i distribucija plina

- HRN EN ISO 15399:2019 en pr
Plinska infrastruktura – Sustav upravljanja sigurnošću
za plinske mreže s najvećim radnim tlakom do 16 bara i
uključujući 16 bara (EN 15399:2018)
Gas infrastructure – Safety Management System for Gas
Networks with maximum operating pressure up to and including
16 bar (EN 15399:2018)

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

HRN EN ISO 19277:2019 en pr
Industrija nafte i prirodnog plina – Kvalifikacijsko ispitivanje i kriteriji prihvatljivosti za sustave zaštitnih premaza ispod izolacije (ISO 19277:2018; EN ISO 19277:2018)
Petroleum, petrochemical and natural gas industries – Qualification testing and acceptance criteria for protective coating systems under insulation (ISO 19277:2018; EN ISO 19277:2018)

HZN/TO 508, Ambalaža i pakiranje

HRN EN ISO 20848-3:2019 en pr
Ambalaža – Plastične bačve – 3. dio: Sustav zatvaranja čepovima za plastične bačve nazivnog obujma od 113,6 l do 220 l (ISO 20848-3:2018; EN ISO 20848-3:2018)
Packaging – Plastics drums – Part 3: Plug/bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l (ISO 20848-3:2018; EN ISO 20848-3:2018)

HZN/TO 509, Cestovna oprema

HRN EN 1794-1:2019 en pr
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 1. dio: Mehanička svojstva i zahtjevi za stabilnost (EN 1794-1:2018+AC:2018)
Road traffic noise reducing devices – Non-acoustic performance – Part 1: Mechanical performance and stability requirements (EN 1794-1:2018+AC:2018)

HRN EN 12966:2019 en pr
Vertikalna prometna signalizacija – Promjenjivi prometni znakovi (EN 12966:2014+A1:2018)
Road vertical signs – Variable message traffic signs (EN 12966:2014+A1:2018)

HZN/TO 517, Posebne vrste konstrukcija

HRN EN 13374:2019 en pr
Privremene ograde – Specifikacija proizvoda – Metode ispitivanja (EN 13374:2013+A1:2018)
Temporary edge protection systems – Product specification – Test methods (EN 13374:2013+A1:2018)

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 14836:2019 en pr
Površine sportskih terena – Površine od sintetičkih materijala za vanjske sportske terene – Metoda ispitivanja umjetnog starenja (EN 14836:2018)
Surfaces for sports areas – Synthetic surfaces for outdoor sports areas – Test method for artificial weathering (EN 14836:2018)

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 14701-4:2019 en pr
Karakterizacija mulja – Filtracijska svojstva – 4. dio: Određivanje sposobnosti odvodnjavanja flokuliranih muljeva (EN 14701-4:2018)
Characterization of sludges – Filtration properties – Part 4: Determination of the drainability of flocculated sludges (EN 14701-4:2018)

HRN EN 17183:2019 en pr
Karakterizacija mulja – Procjena gustoće mulja (EN 17183:2018)
Characterization of sludge – Evaluation of sludge density (EN 17183:2018)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 14906:2019 en pr
Elektronička naplata – Definicije programskih sučelja za dodijeljeno kratkovalno područje komunikacije (ISO 14906:2018; EN ISO 14906:2018)
Electronic fee collection – Application interface definition for dedicated short-range communication (ISO 14906:2018; EN ISO 14906:2018)

HRN EN 16157-1:2019 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 1. dio: Okruženje i okvir (EN 16157-1:2018)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 1: Context and Framework (EN 16157-1:2018)

HRN EN 16157-3:2019 en pr
Inteligentni transportni sustavi – DATEX II specifikacije za razmjenu podataka za upravljanje prometom i informacije o prometu – 3. dio: Objava situacija (EN 16157-3:2018)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 3: Situation Publication (EN 16157-3:2018)

HRN EN 16157-7:2019 en pr
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 7. dio: Zajednički elementi podataka (EN 16157-7:2018)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 7: Common data elements (EN 16157-7:2018)

HRN EN ISO 16407-2:2019 en pr
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-1 – 2. dio: Sažetak ispitnog paketa (ISO 16407-2:2018; EN ISO 16407-2:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-1 – Part 2: Abstract test suite (ISO 16407-2:2018; EN ISO 16407-2:2018)

HRN EN ISO 16410-2:2019 en pr
Elektronička naplata – Vrednovanje opreme za utvrđivanje sukladnosti s normom ISO 17575-3 – 2. dio: Sažetak ispitnog paketa (ISO 16410-2:2018; EN ISO 16410-2:2018)
Electronic fee collection – Evaluation of equipment for conformity to ISO 17575-3 – Part 2: Abstract test suite (ISO 16410-2:2018; EN ISO 16410-2:2018)

HRS CEN/TS 17249-2:2019 en pr
Inteligentni transportni sustavi – Elektronička sigurnost – 2. dio: Elektronički hitni poziv za teška teretna vozila HGK i ostala vozila za prijevoz robe (CEN/TS 17249-2:2018)
Intelligent transport systems – eSafety – Part 2: eCall for HGKs and other commercial vehicles (CEN/TS 17249-2:2018)

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

HRN EN 12310-2:2019 en pr
Savitljive hidroizolacijske trake – Određivanje otpornosti na trganje – 2. dio: Plastične i elastomerne hidroizolacijske trake za krovove (EN 12310-2:2018)
Flexible sheets for waterproofing – Determination of resistance to tearing – Part 2: Plastic and rubber sheets for roof waterproofing (EN 12310-2:2018)

HRN EN 16002:2019 en pr
Savitljive hidroizolacijske trake – Određivanje otpornosti na podizanje vjetrom mehanički pričvršćenih savitljivih hidroizolacijskih traka za krovove (EN 16002:2018)
Flexible sheets for waterproofing – Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing (EN 16002:2018)

HZN/TO 528, Oprema za željeznice

HRN EN 14067-4:2019 en pr
Željeznički sustav – Aerodinamika – 4. dio: Zahtjevi i ispitni postupci za aerodinamiku na otvorenoj pruzi (EN 14067-4:2013+A1:2018)
Railway applications – Aerodynamics – Part 4: Requirements and test procedures for aerodynamics on open track (EN 14067-4:2013+A1:2018)

HRN EN 14363:2019 en pr
Željeznički sustav – Ispitivanje i simulacija za prihvatljivost voznih svojstava željezničkih vozila – Dinamička i statička ispitivanja (EN 14363:2016+A1:2018)
Railway applications – Testing and Simulation for the acceptance of running characteristics of railway vehicles – Running Behaviour and stationary tests (EN 14363:2016+A1:2018)

HRN EN 15595:2019 en pr
Željeznički sustav – Kočenje – Zaštita od proklizavanja (EN 15595:2018)
Railway applications – Braking – Wheel slide protection (EN 15595:2018)

HRN EN 15663:2019 en pr
Željeznički sustav – Referentne mase vozila (EN 15663:2017+A1:2018)
Railway applications – Vehicle reference masses (EN 15663:2017+A1:2018)

HRN EN 16729-4:2019 en pr
Željeznički sustav – Infrastruktura – Nerazorno ispitivanje tračnica u kolosijeku – 4. dio: Osposobljenost osoblja za nerazorno ispitivanje tračnica (EN 16729-4:2018)
Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 4: Qualification of personnel for non-destructive testing on rails (EN 16729-4:2018)

HRN EN 17023:2019 en pr
Željeznički sustav – Održavanje željezničkih vozila – Izrada i modifikacija planova održavanja (EN 17023:2018)
Railway applications – Railway vehicle maintenance – Creation and modification of maintenance plan (EN 17023:2018)

HRN EN 17084:2019 en pr
Željeznički sustav – Zaštita od požara u željezničkim vozilima – Ispitivanje toksičnosti materijala i komponenti (EN 17084:2018)
Railway applications – Fire protection in railway vehicles – Toxicity test of materials and components (EN 17084:2018)

HZN/TO 531, *Plastika i guma*

HRN EN ISO 294-2:2019 en pr
Plastika – Injekcijsko prešani ispitni plastomernih materijala – 2. dio: Male epruvete za rasteznu čvrstoću (ISO 294-2:2018; EN ISO 294-2:2018)
Plastics – Injection moulding of test specimens of thermoplastic materials – Part 2: Small tensile bars (ISO 294-2:2018; EN ISO 294-2:2018)

HRN EN 438-2:2019 en pr
Visokotlačni dekorativni laminati (HPL) – Ploče na osnovi duromernih smola (uobičajeno se nazivaju laminati) – 2. dio: Određivanje svojstava (EN 438-2:2016+A1:2018)
High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (usually called laminates) – Part 2: Determination of properties (EN 438-2:2016+A1:2018)

HRN EN ISO 472:2013/A1:2019 en pr
Plastika – Terminološki rječnik – Amandman 1: Dodatne stavke (ISO 472:2013/Amd 1:2018; EN ISO 472:2013/A1:2018)
Plastics – Vocabulary – Amendment 1: Additional items (ISO 472:2013/Amd 1:2018; EN ISO 472:2013/A1:2018)

HRN EN 513:2019 en pr
Plastika – Profili na osnovi polivinil klorida – Određivanje otpornosti na umjetno starenje (EN 513:2018)
Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the resistance to artificial weathering (EN 513:2018)

HRN EN ISO 527-3:2019 en pr
Plastika – Određivanje rasteznih svojstava – 3. dio: Ispitni uvjeti za filmove i folije (ISO 527-3:2018; EN ISO 527-3:2018)
Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets (ISO 527-3:2018; EN ISO 527-3:2018)

HRN EN 1762:2019 en pr
Gumena crijeva i crijevni uređaji za ukapljeni naftni plin, LPG (kapljevita ili plinska faza) i prirodni plin do 25 bara (2,5 MPa) – Specifikacija (EN 1762:2018)
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 (EN 1762:2018)

HRN EN ISO 4612:2019 en pr
Plastika – Priređivanje ispitnih PVC-pasta – Miješanje planetnom miješalicom (ISO 4612:2018; EN ISO 4612:2018)
Plastics – Preparation of PVC pastes for test purposes – Planetary-mixer method (ISO 4612:2018; EN ISO 4612:2018)

HRN EN ISO 11502:2019 en pr
Plastika – Film i folija – Određivanje otpornosti na blokiranje (ISO 11502:2018; EN ISO 11502:2018)
Plastics – Film and sheeting – Determination of blocking resistance (ISO 11502:2018; EN ISO 11502:2018)

HRN EN 13766:2019 en pr
Plastomerna, višeslojna, neumrežena crijeva i crijevni pribori za prijenos ukapljenoga naftnog plina i ukapljenoga prirodnog plina – Specifikacija (EN 13766:2018)
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas – Specification (EN 13766:2018)

HRN EN ISO 15527:2019 en pr
Plastika – Tlačno oblikovane ploče od polietilena (PE-UHMW, PE-HD) – Zahtjevi i metode ispitivanja (ISO 15527:2018; EN ISO 15527:2018)
Plastics – Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) – Requirements and test methods (ISO 15527:2018; EN ISO 15527:2018)

HRI CEN ISO/TR 18486:2019 en pr
Plastika – Usporedni parametri spektralnog zračenja laboratorijskog izvora svjetla za primjene starenja prema Sunčevom spektralnom zračenju (ISO/TR 18486:2018; CEN ISO/TR 18486:2018)
Plastics – Parameters comparing the spectral irradiance of a laboratory light source for weathering applications to a reference solar spectral irradiance (ISO/TR 18486:2018; CEN ISO/TR 18486:2018)

HZN/TO 532, *Dimnjaci*

HRN EN 16475-3:2019 en pr
Dimnjaci – Pribor – 3. dio: Regulatori podtlaka, uređaji za zatvaranje i kombinirani sustavi za dovod sekundarnog zraka – Zahtjevi i metode ispitivanja (EN 16475-3:2016+A1:2018)
Chimneys – Accessories – Part 3: Draught regulators, standstill opening devices and combined secondary air devices – Requirements and test methods (EN 16475-3:2016+A1:2018)

HZN/TO 533, *Kolničke konstrukcije*

HRN EN 12697-3:2019 en pr
Bitumenske mješavine – Metode ispitivanja – 3. dio: Izdvajanje bitumena: rotacijski otparivač (EN 12697-3:2013+A1:2018)
Bituminous mixtures – Test methods – Part 3: Bitumen recovery: Rotary evaporator (EN 12697-3:2013+A1:2018)

HRN EN 12697-5:2019 en pr
Bitumenske mješavine – Metode ispitivanja – 5. dio: Određivanje gustoće asfaltne mješavine (EN 12697-5:2018)
Bituminous mixtures – Test methods – Part 5: Determination of the maximum density (EN 12697-5:2018)

HRN EN 12697-8:2019 en pr
Bitumenske mješavine – Metode ispitivanja – 8. dio: Određivanje šupljina u asfaltnim uzorcima (EN 12697-8:2018)
Bituminous mixtures – Test methods – Part 8: Determination of void characteristics of bituminous specimens (EN 12697-8:2018)

HRN EN 12697-30:2019 en pr
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 30. dio: Priprema uzorka udarnim zbijanjem (EN 12697-30:2018)
Bituminous mixtures – Test methods for hot mix asphalt – Part 30: Specimen preparation by impact compactor (EN 12697-30:2018)

HRN EN 13880-8:2019 en pr
Vruće brtvne mase – 8. dio: Metoda ispitivanja za određivanje promjene mase nakon uranjanja u gorivo (EN 13880-8:2018)
Hot applied joint sealants – Part 8: Test method for the determination of the change in weight of fuel resistance joint sealants after fuel immersion (EN 13880-8:2018)

HZN/TO 534, *Spremnici za teret*

HRN EN 17110:2019 en pr
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Odzračni ventil razdjelnika pare (EN 17110:2018)
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour manifold vent valve (EN 17110:2018)

HRN EN 17124:2019 en pr
Vodik kao gorivo – Specifikacija proizvoda i osiguranje kvalitete – Gorivni članci s polimernom protonski vodljivom membranom (PEM) za cestovna vozila (EN 17124:2018)
Hydrogen fuel – Product specification and quality assurance – Proton exchange membrane (PEM) fuel cell applications for road vehicles (EN 17124:2018)

HRN EN 17127:2019 en pr
Postaje na otvorenom za punjenje plinovitim vodikom s protokolom za punjenje (EN 17127:2018)
Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols (EN 17127:2018)

HRN EN ISO 21012:2019 en pr
Kriogenične posude – Crijeva
(ISO 21012:2018; EN ISO 21012:2018)
Cryogenic vessels – Hoses
(ISO 21012:2018; EN ISO 21012:2018)

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

HRN EN 17146:2019 en pr
Određivanje čvrstoće oslonaca ispune – Metoda ispitivanja i zahtjevi (EN 17146:2018)
Determination of the strength of infill supports – Test method and requirements (EN 17146:2018)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 16777:2019 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini bez mehaničkog djelovanja za procjenu virucidne djelotvornosti kemijskih dezinficijensa koji se upotrebljavaju u medicini – Metoda ispitivanja i zahtjevi (EN 16777:2018)
Chemical disinfectants and antiseptics – Quantitative non-porous surface test without mechanical action for the evaluation of virucidal activity of chemical disinfectants used in the medical area – Test method and requirements (phase 2/step 2) (EN 16777:2018)

HZN/TO 541, Sustavi grijanja, ventilacije i klimatizacije građevinama

HRN EN 17192:2019 en pr
Ventilacija u zgradama – Razvod kanala – Nemetalni razvod kanala – Zahtjevi i metode ispitivanja (EN 17192:2018)
Ventilation for buildings – Ductwork – Non-metallic ductwork – Requirements and test methods (EN 17192:2018)

HRN EN ISO 21083-1:2019 en pr
Metode ispitivanja učinkovitosti medija za filtriranje kuglastih nanočestica iz zraka – 1. dio: Raspon veličine čestica od 20 do 500 nm (ISO 21083-1:2018; EN ISO 21083-1:2018)
Test method to measure the efficiency of air filtration media against spherical nanomaterials – Part 1: Size range from 20 nm to 500 nm (ISO 21083-1:2018; EN ISO 21083-1:2018)

HZN/TO 546, Očuvanje kulturne baštine

HRN EN 17138:2019 en pr
Očuvanje kulturne baštine – Metode i materijali za čišćenje poroznih anorganskih materijala (EN 17138:2018)
Conservation of Cultural Heritage – Methods and materials for cleaning porous inorganic materials (EN 17138:2018)

HZN/TO 548, Konstrukcijski eurokodovi

HRN EN 1993-1-8:2014/NA:2014/A1:2019 hr-en izv
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-8: Proračun priključaka – Nacionalni dodatak
Eurocode 3: Design of steel structures – Part 1-8: Design of joints – National Annex

HZN/TO 549, Svjetlo i rasvjeta

HRN EN 17037:2019 en pr
Dnevno svjetlo u zgradama (EN 17037:2018)
Daylight of buildings (EN 17037:2018)

HZN/TO 551, Gradnja

HRN EN ISO 19650-1:2019 en pr
Organizacija i digitalizacija informacija o zgradama i inženjerskim građevinama uključujući modeliranje informacija o građevinama (BIM) – Upravljanje informacijama modeliranjem informacija o građevinama – 1. dio: Koncepti i načela (ISO 19650-1:2018; EN ISO 19650-1:2018)
Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 1: Concepts and principles (ISO 19650-1:2018; EN ISO 19650-1:2018)

HRN EN ISO 19650-2:2019 en pr
Organizacija i digitalizacija informacija o zgradama i inženjerskim građevinama uključujući modeliranje informacija o građevinama (BIM) – Upravljanje informacijama modeliranjem informacija o građevinama – 2. dio: Faza isporuke imovine (ISO 19650-2:2018; EN ISO 19650-2:2018)
Organization and digitization of information about buildings and civil engineering works, including building information modelling (BIM) – Information management using building information modelling – Part 2: Delivery phase of the assets (ISO 19650-2:2018; EN ISO 19650-2:2018)

HZN/TO 555, Medicinski proizvodi

HRN EN 868-5:2019 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 5. dio: Ljepljive vrećice i svitci od poroznih tvari i izrađeni od plastičnog filma – Zahtjevi i metode ispitivanja (EN 868-5:2018)
Packaging for terminally sterilized medical devices – Part 5: Sealable pouches and reels of porous materials and plastic film construction – Requirements and test methods (EN 868-5:2018)

HRN EN 868-8:2019 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 8. dio: Spremnici za višestruku primjenu u sterilizaciji za parne sterilizatore prema normi EN 285 – Zahtjevi i metode ispitivanja (EN 868-8:2018)
Packaging for terminally sterilized medical devices – Part 8: Re-usable sterilization containers for steam sterilizers conforming to EN 285 – Requirements and test methods (EN 868-8:2018)

HRN EN 868-9:2019 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 9. dio: Neobloženi, nevnuneni materijali od poliolefina – Zahtjevi i metode ispitivanja (EN 868-9:2018)
Packaging for terminally sterilized medical devices – Part 9: Uncoated nonwoven materials of polyolefines – Requirements and test methods (EN 868-9:2018)

HRN EN 868-10:2019 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 10. dio: Ljepljivo obloženi, nevnuneni materijali od poliolefina – Zahtjevi i metode ispitivanja (EN 868-10:2018)
Packaging for terminally sterilized medical devices – Part 10: Adhesive coated nonwoven materials of polyolefines – Requirements and test methods (EN 868-10:2018)

HRN EN ISO 15883-4:2019 en pr
Uređaji za pranje i dezinfekciju – 4. dio: Zahtjevi i ispitivanja za uređaje za pranje i dezinfekciju u termičkoj dezinfekciji termolabilnih endoskopa (ISO 15883-4:2018; EN ISO 15883-4:2018)
Washer-disinfectors – Part 4: Requirements and tests for washer-disinfectors employing chemical disinfection for thermolabile endoscopes (ISO 15883-4:2018; EN ISO 15883-4:2018)

HRN EN ISO 20166-1:2019 en pr
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za postupke prije ispitivanja za tkivo fiksirano formalinom i uronjeno u parafin (FFPE) – 1. dio: Izolirana RNK (ISO 20166-1:2018; EN ISO 20166-1:2018)
Molecular in-vitro diagnostic examinations – Specifications for pre-examination processes for formalin-fixed and paraffin-embedded (FFPE) tissue – Part 1: Isolated RNA (ISO 20166-1:2018; EN ISO 20166-1:2018)

HRN EN ISO 20166-2:2019 en pr
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za postupke prije ispitivanja za tkivo fiksirano formalinom i uronjeno u parafin (FFPE) – 2. dio: Izolirani proteini (ISO 20166-2:2018; EN ISO 20166-2:2018)
Molecular in-vitro diagnostic examinations – Specifications for pre-examinations processes for formalin-fixed and paraffin-embedded (FFPE) tissue – Part 2: Isolated proteins (ISO 20166-2:2018; EN ISO 20166-2:2018)

HRN EN ISO 20184-1:2019 en pr
Molekularna in vitro dijagnostička ispitivanja – Specifikacije za procese prije ispitivanja za smrznuto tkivo – 1. dio: Izolirana RNK (ISO 20184-1:2018; EN ISO 20184-1:2018)
Molecular in-vitro diagnostic examinations – Specifications for pre-examination processes for frozen tissue – Part 1: Isolated RNA (ISO 20184-1:2018; EN ISO 20184-1:2018)

HZN/TO 557, *Zaštitna odjeća*

- HRN EN 388:2019 en pr
Rukavice za zaštitu od mehaničkih rizika
(EN 388:2016+A1:2018)
Protective gloves against mechanical risks
(EN 388:2016+A1:2018)
- HRN EN 1621-3:2019 en pr
Motociklistička odjeća za zaštitu od mehaničkog udara
– 3. dio: Motociklistički prsni štيتnici – Zahtjevi i metode
ispitivanja (EN 1621-3:2018)
Motorcyclists' protective clothing against mechanical impact
– Part 3: Motorcyclists' chest protectors – Requirements and
test methods (EN 1621-3:2018)
- HRN EN 16523-2:2019 en pr
Određivanje otpornosti materijala na permeaciju kemikalija
– 2. dio: Permeacija potencijalno opasnih plinovitih kemikalija
u uvjetima stalnog dodira (EN 16523-2:2015+A1:2018)
Determination of material resistance to permeation by
chemicals – Part 2: Permeation by potentially hazardous
gaseous chemicals under conditions of continuous contact
(EN 16523-2:2015+A1:2018)

HZN/TO 571, *Sport, igrališta i ostali rekreacijski sadržaji i oprema*

- HRN EN 959:2019 en pr
Planinarska oprema – Penjački klinovi – Sigurnosni zahtjevi i
metode ispitivanja (EN 959:2018)
Mountaineering equipment – Rock anchors – Safety
requirements and test methods (EN 959:2018)
- HRN EN 12277:2019 en pr
Planinarska oprema – Sigurnosno remenje – Sigurnosni
zahtjevi i metode ispitivanja (EN 12277:2015+A1:2018)
Mountaineering equipment – Harnesses – Safety requirements
and test methods (EN 12277:2015+A1:2018)
- HRN EN 17164:2019 en pr
Zidovi/stijene za penjanje za uporabu unutar vodenih
površina javnih bazena – Sigurnosni i operativni zahtjevi
(EN 17164:2018)
Climbing/bouldering walls for use in the water area of
swimming pools of public use – Safety and operational
requirements (EN 17164:2018)

HZN/TO 577, *Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša*

- HRN EN 16190:2019 en pr
Tlo, obrađeni biootpad i mulj – Određivanje dioksina i furana i
dioksinu sličnih polikloriranih bifenila plinskom kromatografijom
s detekcijom masenim spektrometrom visoke rezolucije
(HR GC-MS) (EN 16190:2018)
Soil, treated biowaste and sludge – Determination of dioxins
and furans and dioxin-like polychlorinated biphenyls by gas
chromatography with high resolution mass selective detection
(HR GC-MS) (EN 16190:2018)

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

- HRN EN IEC 62559-3:2019 en pr
Metodologija slučaja uporabe – 3. dio: Definicija i pretvorba
artefakata predložka slučaja uporabe u XML serijski format
(IEC 62559-3:2017; EN IEC 62559-3:2018)
Use case methodology – Part 3: Definition of use
case template artefacts into an XML serialized format
(IEC 62559-3:2017; EN IEC 62559-3:2018)

HZN/TO E9, *Električna oprema za željeznicu*

- HRN EN 50318:2019 en pr
Željeznički sustav – Sustavi oduzimača struje – Vrednovanje
simulacije dinamičkog međudjelovanja između pantografa i
kontaktnog voda (EN 50318:2018)
Railway applications – Current collection systems – Validation
of simulation of the dynamic interaction between pantograph
and overhead contact line (EN 50318:2018)

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

- HRN EN 50470-1:2008/A1:2019 en pr
Električna brojila za izmjeničnu struju – 1. dio: Opći zahtjevi,
ispitivanja i ispitni uvjeti – Mjerna oprema (razredi točnosti A,
B i C) (EN 50470-1:2006/A1:2018)
Electricity metering equipment (a.c.) – Part 1: General
requirements, tests and test conditions – Metering equipment
(class indexes A, B and C) (EN 50470-1:2006/A1:2018)
- HRN EN 50470-2:2008/A1:2019 en pr
Električna brojila za izmjeničnu struju – 2. dio: Posebni
zahtjevi – Elektromehanička brojila djelatne energije (razredi
točnosti A i B) (EN 50470-2:2006/A1:2018)
Electricity metering equipment (a.c.) – Part 2: Particular
requirements – Electromechanical meters for active energy
(class indexes A and B) (EN 50470-2:2006/A1:2018)
- HRN EN 50470-3:2008/A1:2019 en pr
Električna brojila za izmjeničnu struju – 3. dio: Posebni
zahtjevi – Statička brojila djelatne energije (razredi točnosti A,
B i C) (EN 50470-3:2006/A1:2018)
Electricity metering equipment (a.c.) – Part 3: Particular
requirements – Static meters for active energy (class indexes
A, B and C) (EN 50470-3:2006/A1:2018)

HZN/TO E57, *Upravljanje energetskim sustavom i pridružene komunikacije*

- HRN EN IEC 62351-4:2019 en pr
Upravljanje energetskim sustavima i povezana
razmjena podataka – Sigurnost podataka i komunikacija
– 4. dio: Profili koji uključuju MMS (IEC 62351-4:2018;
EN IEC 62351-4:2018)
Power systems management and associated information
exchange – Data and communications security – Part 4:
Profiles including MMS and derivatives (IEC 62351-4:2018;
EN IEC 62351-4:2018)

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

- HRN EN 60335-2-11:2011/A2:2019 en pr
Kućanski i slični električni aparati – Sigurnost
– Dio 2-11: Posebni zahtjevi za bubnjaste sušilice
(IEC 60335-2-11:2008/am2:2015, MOD;
EN 60335-2-11:2010/A2:2018)
Household and similar electrical appliances – Safety
– Part 2-11: Particular requirements for tumble dryers
(IEC 60335-2-11:2008/am2:2015, MOD;
EN 60335-2-11:2010/A2:2018)
- HRN EN 62784:2019 en pr
Usisavači i uređaji za odvajanje prašine koji pružaju Dc
stupanj zaštite, za skupljanje zapaljive prašine – Posebni
zahtjevi (IEC 62784:2017; EN 62784:2018)
Vacuum cleaners and dust extractors providing equipment
protection level Dc for the collection of combustible dusts
– Particular requirements (IEC 62784:2017; EN 62784:2018)

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

- HRN HD 60364-5-56:2019 en pr
Niskonaponske električne instalacije – Dio 5-56: Odabir i
ugradnja električne opreme – Instalacije za sigurnosne svrhe
(IEC 60364-5-56:2018; HD 60364-5-56:2018)
Low-voltage electrical installations – Part 5-56: Selection
and erection of electrical equipment – Safety services
(IEC 60364-5-56:2018; HD 60364-5-56:2018)
- HRN HD 60364-7-722:2019 en pr
Niskonaponske električne instalacije – Dio 7-722: Zahtjevi za
posebne instalacije ili prostore – Napajanje električnih vozila
(IEC 60364-7-722:2018, MOD; HD 60364-7-722:2018)
Low-voltage electrical installations – Part 7-722:
Requirements for special installations or locations
– Supplies for electric vehicles (IEC 60364-7-722:2018, MOD;
HD 60364-7-722:2018)

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

- HRN EN IEC 61784-5-12:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-12: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 12 (IEC 61784-5-12:2018; EN IEC 61784-5-12:2018)
- Industrial communication networks – Profiles – Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12 (IEC 61784-5-12:2018; EN IEC 61784-5-12:2018)
- HRN EN IEC 61784-5-18:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-18: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 18 (IEC 61784-5-18:2018; EN IEC 61784-5-18:2018)
- Industrial communication networks – Profiles – Part 5-18: Installation of fieldbuses – Installation profiles for CPF 18 (IEC 61784-5-18:2018; EN IEC 61784-5-18:2018)
- HRN EN IEC 61784-5-20:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-20: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 20 (IEC 61784-5-20:2018; EN IEC 61784-5-20:2018)
- Industrial communication networks – Profiles – Part 5-20: Installation of fieldbuses – Installation profiles for CPF 20 (IEC 61784-5-20:2018; EN IEC 61784-5-20:2018)
- HRN EN IEC 61784-5-21:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-21: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 21 (IEC 61784-5-21:2018; EN IEC 61784-5-21:2018)
- Industrial communication networks – Profiles – Part 5-21: Installation of fieldbuses – Installation profiles for CPF 21 (IEC 61784-5-21:2018; EN IEC 61784-5-21:2018)
- HRN EN IEC 61784-5-2:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-2: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 2 (IEC 61784-5-2:2018; EN IEC 61784-5-2:2018)
- Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2 (IEC 61784-5-2:2018; EN IEC 61784-5-2:2018)
- HRN EN IEC 61784-5-3:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-3: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 3 (IEC 61784-5-3:2018; EN IEC 61784-5-3:2018)
- Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2018; EN IEC 61784-5-3:2018)
- HRN EN IEC 61784-5-6:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-6: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 6 (IEC 61784-5-6:2018; EN IEC 61784-5-6:2018)
- Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6 (IEC 61784-5-6:2018; EN IEC 61784-5-6:2018)
- HRN EN IEC 61784-5-8:2019 en pr
Industrijske komunikacijske mreže – Profili – Dio 5-8: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 8 (IEC 61784-5-8:2018; EN IEC 61784-5-8:2018)
- Industrial communication networks – Profiles – Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8 (IEC 61784-5-8:2018; EN IEC 61784-5-8:2018)

HZN/TO E100, Audio, video i multimedijski sustavi te njihova oprema

- HRN EN IEC 60268-21:2019 en pr
Oprema audiosustava – 21. dio: Akustička mjerenja (na temelju izlaza) (IEC 60268-21:2018; EN IEC 60268-21:2018)
- Sound system equipment – Part 21: Acoustical (output-based) measurements (IEC 60268-21:2018; EN IEC 60268-21:2018)

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

- HRN EN 1081:2019 en pr
Elastične, laminatne i modularne višeslojne podne obloge – Određivanje električne otpornosti (EN 1081:2018)
- Resilient, laminate and modular multilayer floor coverings – Determination of the electrical resistance (EN 1081:2018)
- HRN EN 1307:2019 en pr
Tekstilne podne obloge – Razredba (EN 1307:2014+A3:2018)
- Textile floor coverings – Classification (EN 1307:2014+A3:2018)

- HRN EN 12104:2019 en pr
Elastične podne obloge – Plutene podne ploče – Specifikacija (EN 12104:2018)
- Resilient floor coverings – Cork floor tiles – Specification (EN 12104:2018)
- HRN EN 17125:2019 en pr
Vrtložne i tople kupke za kućnu upotrebu – Sigurnosni zahtjevi i metode ispitivanja (EN 17125:2018)
- Domestic spas/whirlpool spas/hot tubs – Safety requirements and test methods (EN 17125:2018)
- HRN EN 17142:2019 en pr
Modularne višeslojne podne obloge – Elementi s površinskim slojem na bazi drvenog praha – Specifikacije, zahtjevi i metode ispitivanja (EN 17142:2018)
- Modular multilayer floor coverings – Elements with a wood powder based surface layer – Specifications, requirements and test methods (EN 17142:2018)
- HRN EN ISO 24342:2019 en pr
Elastične i tekstilne podne obloge – Određivanje duljine strana, ravnoće rubova i pravokutnosti ploča (ISO 24342:2018; EN ISO 24342:2018)
- Resilient and textile floor-coverings – Determination of side length, edge straightness and squareness of tiles (ISO 24342:2018; EN ISO 24342:2018)

HZN/TU B1, Graditeljstvo 1

- HRS CEN/TS 17197:2019 en pr
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza anorganskih tvari u produktima digestije i eluatima – Analiza optičkom emisijskom spektrometrijom s induktivno spregnutom plazmom (ICP-OES) (CEN/TS 17197:2018+AC:2018)
- Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Analysis by Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES) (CEN/TS 17197:2018+AC:2018)
- HRS CEN/TS 17200:2019 en pr
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza makroelemenata, mikroelemenata i elemenata u tragovima u produktima digestije i eluatima spektrometrijom masa s induktivno spregnutom plazmom (ICP-MS) (CEN/TS 17200:2018+AC:2018)
- Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Analysis by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS) (CEN/TS 17200:2018+AC:2018)
- HRS CEN/TS 17201:2019 en pr
Građevni proizvodi: Procjena otpuštanja opasnih tvari – Sadržaj anorganskih tvari – Metode analize produkata digestije zlatotopkom (CEN/TS 17201:2018+AC:2018)
- Construction products: Assessment of release of dangerous substances – Content of inorganic substances – Methods for analysis of aqua regia digests (CEN/TS 17201:2018+AC:2018)

HZN/TU I2, Strojstvo 2

- HRS CEN/TS 17273:2019 en pr
Nanotehnologije – Smjernice za otkrivanje i identifikaciju nanoobjekata u složenim matricama (CEN/TS 17273:2018)
- Nanotechnologies – Guidance on detection and identification of nano-objects in complex matrices (CEN/TS 17273:2018)
- HRS CEN/TS 17274:2019 en pr
Nanotehnologije – Smjernice za određivanje protokola za eksplozivnost i zapaljivost prašaka koji sadrže nanoobjekte (za transport, rukovanje i skladištenje) (CEN/TS 17274:2018)
- Nanotechnologies – Guidelines for determining protocols for the explosivity and flammability of powders containing nano-objects (for transport, handling and storage) (CEN/TS 17274:2018)
- HRS CEN/TS 17275:2019 en pr
Nanotehnologije – Smjernice za upravljanje i zbrinjavanje otpada od proizvodnje i prerade proizvedenih nanoobjekata (CEN/TS 17275:2018)
- Nanotechnologies – Guidelines for the management and disposal of waste from the manufacturing and processing of manufactured nano-objects (CEN/TS 17275:2018)
- HRN EN ISO 21183-2:2019 en pr
Lagane transportne trake – 2. dio: Popis ekvivalentnih pojmova (ISO 21183-2:2018; EN ISO 21183-2:2018)
- Light conveyor belts – Part 2: List of equivalent terms (ISO 21183-2:2018; EN ISO 21183-2:2018)

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

- HRN EN 2267-010:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene – Radna temperatura između -55 °C i 260 °C – Dio 010: DR porodica, za ispis UV laserskim pisačem – Norma za proizvod (EN 2267-010:2018)
Aerospace series – Cables, electrical, for general purpose – Operating temperatures between -55 °C and 260 °C – Part 010: DR family, single UV laser printable – Product standard (EN 2267-010:2018)
- HRN EN 2341:2019 en pr
Zrakoplovstvo – Aluminij i legure aluminija – Ekstrudirane šipke kvadratnog i četvrtastog presjeka – Dimenzije (EN 2341:2018)
Aerospace series – Aluminium and aluminium alloy – Square and rectangular extruded bars – Dimensions (EN 2341:2018)
- HRN EN 2379:2019 en pr
Zrakoplovstvo – Fluidi za ocjenjivanje nemetalnih materijala (EN 2379:2018)
Aerospace series – Fluids for assessment of non-metallic materials (EN 2379:2018)
- HRN EN 2450:2019 en pr
Zrakoplovstvo – Čelik 31Ni10 – 1 230 MPa ≤ Rm ≤ 1 420 MPa – Šipke – De ≤ 40 mm (EN 2450:2018)
Aerospace series – Steel 31Ni10 – 1 230 MPa ≤ Rm ≤ 1 420 MPa – Bars – De ≤ 40 mm (EN 2450:2018)
- HRN EN 2600:2019 en pr
Zrakoplovstvo – Označavanje metalnih poluproizvoda – Pravila (EN 2600:2018)
Aerospace series – Designation of metallic semi-finished products – Rules (EN 2600:2018)
- HRN EN 2709:2019 en pr
Zrakoplovstvo – Legura aluminija 2024- – T3510 – Šipke i profili – 1,2 mm ≤ (a ili D) ≤ 150 mm – S vanjskom grubom kontrolom zrna (EN 2709:2018)
Aerospace series – Aluminium alloy 2024- – T3510 – Bar and section – 1,2 mm ≤ (a or D) ≤ 150 mm – With peripheral coarse grain control (EN 2709:2018)
- HRN EN 2715:2019 en pr
Zrakoplovstvo – Makrografsko ispitivanje gnječanih proizvoda, materijala namijenjenog kovanju i otkivaka iz aluminija i legura aluminija (EN 2715:2018)
Aerospace series – Macrographic examination of aluminium and aluminium alloy wrought products, forging stock and forgings (EN 2715:2018)
- HRN EN 2716:2019 en pr
Zrakoplovstvo – Metode ispitivanja – Određivanje osjetljivosti na interkristalnu koroziju – Gnječeni proizvodi iz aluminija i legura aluminija niza AL-P2XXX, niza AL-P7XXX i legure aluminija i litija (EN 2716:2018)
Aerospace series – Test method – Determination of susceptibility to intergranular corrosion – Wrought aluminium alloy products AL-P2XXX- series, AL-P7XXX- series and aluminium-lithium alloys (EN 2716:2018)
- HRN EN 2726:2019 en pr
Zrakoplovstvo – Legura aluminija Al-C42201 – T6 – Lijevanje u pijesku – a ≤ 20 mm (EN 2726:2018)
Aerospace series – Aluminium alloy Al-C42201 – T6 – Sand castings – a ≤ 20 mm (EN 2726:2018)
- HRN EN 2728:2019 en pr
Zrakoplovstvo – Legura aluminija AL-C42101 – T6 – Lijevanje u pijesku – a ≤ 20 mm (EN 2728:2018)
Aerospace series – Aluminium alloy AL-C42101 – T6 – Sand casting – a ≤ 20 mm (EN 2728:2018)
- HRN EN 2813:2019 en pr
Zrakoplovstvo – Legura aluminija AL-P-6061 – T6 – Vučene cijevi za primjenu pod tlakom – 0,6 mm ≤ a ≤ 12,5 mm (EN 2813:2018)
Aerospace series – Aluminium alloy AL-P-6061 – T6 – Drawn tube for pressure applications – 0,6 mm ≤ a ≤ 12,5 mm (EN 2813:2018)
- HRN EN 3315:2019 en pr
Zrakoplovstvo – Legura titanija Ti-P64001 – Obrada otopinom i starenje – Otkivci – De ≤ 75 mm (EN 3315:2018)
Aerospace series – Titanium alloy Ti-P64001 – Solution treated and aged – Forgings – De ≤ 75 mm (EN 3315:2018)
- HRN EN 3660-003:2019 en pr
Zrakoplovstvo – Oprema utičnice kabela za kružne i kvadratne električne i optičke spojnice – Dio 003: Uvodna matica, tip A – Norma za proizvod (EN 3660-003:2018)
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 003: Grommet nut, style A – Product standard (EN 3660-003:2018)
- HRN EN 3745-411:2019 en pr
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 411. dio: Otpornost na fluide (EN 3745-411:2018)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 411: Resistance to fluids (EN 3745-411:2018)
- HRN EN 3745-506:2019 en pr
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 506. dio: Otpornost na udar (EN 3745-506:2018)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 506: Impact resistance (EN 3745-506:2018)
- HRN EN 4165-026:2019 en pr
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 026: Oprema za samostalne module – Norma za proizvod (EN 4165-026:2018)
Aerospace series – Connector, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 026: Accessories for single module connector – Product standard (EN 4165-026:2018)
- HRN EN 4611-003:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Dio 003: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruki ekstrudirani zid za zatvorenu primjenu – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4611-003:2018)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for enclosed applications – UV laser printable – Product standard (EN 4611-003:2018)
- HRN EN 4611-004:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Dio 004: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Dvostruki ekstrudirani zid za upotrebu na otvorenom – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4611-004:2018)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 004: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Dual extruded wall for open applications – UV laser printable – Product standard (EN 4611-004:2018)
- HRN EN 4641-106:2019 en pr
Zrakoplovstvo – Kabeli, optički, promjera omotača 125 μm – 106. dio: GI vlakna 62,5/125 μm polučvrste strukture, nazivnoga vanjskog promjera 0,9 mm – Norma za proizvod (EN 4641-106:2018)
Aerospace series – Cables, optical, 125 μm diameter cladding – Part 106: Semi-loose structure 62,5/125 μm GI fibre nominal 0,9 mm outside diameter – Product standard (EN 4641-106:2018)
- HRN EN 4641-200:2019 en pr
Zrakoplovstvo – Kabeli, optički, promjera omotača 125 μm – 200. dio: GI vlakna 9/125 μm polučvrste strukture, nazivnoga vanjskog promjera 0,9 mm – Norma za proizvod (EN 4641-200:2018)
Aerospace series – Cables, optical, 125 μm diameter cladding – Part 200: Semi-loose structure 9/125 μm GI fibre nominal 0,9 mm outside diameter – Product standard (EN 4641-200:2018)
- HRN EN 4641-201:2019 en pr
Zrakoplovstvo – Kabeli, optički, promjera omotača 125 μm – 201. dio: SM vlakna 9/125 μm polučvrste strukture, nazivnoga vanjskog promjera 1,8 mm – Norma za proizvod (EN 4641-201:2018)
Aerospace series – Cables, optical, 125 μm diameter cladding – Part 201: Semi-loose structure 9/125 μm SM fibre nominal 1,8 mm outside diameter – Product standard (EN 4641-201:2018)

HRN EN 4641-202:2019 en pr
Zrakoplovstvo – Kabeli, optički, promjera omotača 125 µm – 202. dio: SM vlakna 9/125 µm polučvrste konstrukcije ojačane jednostruko, nazivnoga vanjskog promjera 2,74 mm – Norma za proizvod (EN 4641-202:2018)
Aerospace series – Cables, optical, 125 µm diameter cladding – Part 202: Semi-loose, ruggedized simplex construction 9/125 µm SM fibre nominal 2,74 mm outside diameter – Product standard (EN 4641-202:2018)

HRN EN 4726:2019 en pr
Zrakoplovstvo – Parametri za prihvaćenje estetskih inačica za svu vidljivu opremu ugrađenu u zrakoplovnu kabinu u svim varijantama ugovora (EN 4726:2018)
Aerospace series – Acceptance parameters of aesthetical variations for all visible equipment installed in aircraft cabins under all contractual variations (EN 4726:2018)

HRN EN 4730:2019 en pr
Zrakoplovstvo – Antropometrijske mjere sjedala u zrakoplovu (EN 4730:2018)
Aerospace series – Anthropometric dimensioning of aircraft seats (EN 4730:2018)

HRN EN 4856:2019 en pr
Rotokopter – Sustavi za disanje u slučaju opasnosti – Zahtjevi, ispitivanje i označavanje (EN 4856:2018)
Rotorcraft – Emergency Breathing Systems (EBS) – Requirements, testing and marking (EN 4856:2018)

HRN EN 9107:2019 en pr
Zrakoplovstvo – Sustavi kvalitete – Odobranje izravnih isporuka – Upute za zrakoplovne kompanije (EN 9107:2018)
Aerospace series – Quality systems – Direct Delivery Authorization – Guidance for Aerospace Companies (EN 9107:2018)

HRN EN 16602-70-14:2019 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Korozija (EN 16602-70-14:2018)
Space product assurance – Corrosion (EN 16602-70-14:2018)

HRN EN 16602-70-39:2019 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Zavarivanje metalnih materijala za opremu za letenje (EN 16602-70-39:2018)
Space product assurance – Welding of metallic materials for flight hardware (EN 16602-70-39:2018)

HRN EN 16602-80:2019 en pr
Osiguranje kvalitete proizvoda za upotrebu u svemiru – Osiguranje kvalitete proizvoda za programsku podršku (EN 16602-80:2018)
Space product assurance – Software product assurance (EN 16602-80:2018)

HRN EN 16603-10-02:2019 en pr
Svemirsko inženjerstvo – Verifikacija (EN 16603-10-02:2018)
Space engineering – Verification (EN 16603-10-02:2018)

HRN EN 16842-6:2019 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metode ispitivanja i verifikacija – 6. dio: Čeoni viličari i vozila za teške terene s jarbolom i sjedalom za rukovatelja kapaciteta većeg od 10 000 kg (EN 16842-6:2018)
Powered industrial trucks – Visibility – Test methods and verification – Part 6: Sit-on counterbalance trucks and rough terrain masted trucks greater than 10 000 kg capacity (EN 16842-6:2018)

HRN EN 16842-7:2019 en pr
Industrijska vozila na motorni pogon – Vidljivost – Metode ispitivanja i verifikacija – 7. dio: Vozila promjenjivog dohvata i vozila s jarbolom za rukovanje kontejnerima za teret duljine 6 m i dulji (EN 16842-7:2018)
Powered industrial trucks – Visibility – Test methods and verification – Part 7: Variable-reach and masted container trucks handling freight containers of 6 m (20 ft) length and longer (EN 16842-7:2018)

HZN/TU U1, Opća elektrotehnika 1

HRN EN IEC 63000:2019 en pr
Tehnička dokumentacija za procjenu električnih i elektroničkih proizvoda s obzirom na ograničenje opasnih supstanci (IEC 63000:2016; EN IEC 63000:2018)
Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances (IEC 63000:2016; EN IEC 63000:2018)

HZN/TU V1, Elektronika 1

HRN EN IEC 60793-1-32:2019 en pr
Optička vlakna – Dio 1-32: Metode mjerenja i postupci ispitivanja – Sposobnost skidanja premaza (IEC 60793-1-32:2018; EN IEC 60793-1-32:2018)
Optical fibres – Part 1-32: Measurement methods and test procedures – Coating strippability (IEC 60793-1-32:2018; EN IEC 60793-1-32:2018)

HRN EN IEC 60869-1:2019 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Pasivni svjetlovodni uređaji za kontrolu snage – 1. dio: Opća specifikacija (IEC 60869-1:2018; EN IEC 60869-1:2018)
Fibre optic interconnecting devices and passive components – Fibre optic passive power control devices – Part 1: Generic specification (IEC 60869-1:2018; EN IEC 60869-1:2018)

HRN EN IEC 61051-1:2019 en pr
Varistori za uporabu u elektroničkoj opremi – 1. dio: Opća specifikacija (IEC 61051-1:2018; EN IEC 61051-1:2018)
Varistors for use in electronic equipment – Part 1: Generic specification (IEC 61051-1:2018; EN IEC 61051-1:2018)

HRN EN IEC 62149-10:2019 en pr
Fibre optic active components and devices – Performance standards – Part 10: Radio-over-fibre (RoF) transceivers for mobile fronthaul (IEC 62149-10:2018; EN IEC 62149-10:2018)

HRN EN IEC 62239-1:2019 en pr
Upravljanje procesima za elektroničku zrakoplovnu opremu – Plan upravljanja – 1. dio: Priprema i održavanje plana upravljanja elektroničkim komponentama (IEC 62239-1:2018; EN IEC 62239-1:2018)
Process management for avionics – Management plan – Part 1: Preparation and maintenance of an electronic components management plan (IEC 62239-1:2018; EN IEC 62239-1:2018)

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 22, Cestovna vozila

prEN 721 en
Leisure accommodation vehicles – Safety ventilation requirements
Vozila za odmor – Sigurnosni zahtjevi za ventilaciju

HZN/TO 28, Naftni proizvodi i maziva

prEN ISO 4259-3 en
Petroleum and related products – Precision of measurement methods and results – Part 3: Monitoring and management of precision data in relation to methods of test (ISO/DIS 4259-3:2018)

HZN/TO 44, Zavarivanje i srodni postupci

EN ISO 13918:2018/prA1 en
Welding – Studs and ceramic ferrules for arc stud welding (ISO 13918:2017/DAMd 1:2018)
Zavarivanje – Svornjaci i keramički prstenovi za elektrolučno zavarivanje svornjaka (ISO 13918:2017/DAMd 1:2018)

HZN/TO 92, *Zaštita od požara*

- prEN 13823 en
Reaction to fire tests for building products – Building products excluding floorings exposed to the thermal attack by a single burning item
Ispitivanja reakcije na požar građevnih proizvoda – Građevni proizvodi osim podnih obloga izloženi termičkom opterećenju pojedinačno gorućeg elementa

HZN/TO 120, *Koža i obuća*

- prEN ISO 20136 en
Leather – Determination of degradability by micro-organisms (ISO/DIS 20136:2018)
Koža – Određivanje razgradivosti pomoću mikroorganizama (ISO/DIS 20136:2018)

HZN/TO 121, *Anestetička i respiracijska oprema*

- EN ISO 5356-2:2012/prA1 en
Anaesthetic and respiratory equipment – Conical connectors – Part 2: Screw-threaded weight-bearing connectors (ISO 5356-2:2012/DAMd1:2018)
Anestetička i respiracijska oprema – Stožasti priključci – 2. dio: Priključci na navoj veće nosivosti (ISO 5356-2:2012/DAMd1:2018)

HZN/TO 135, *Nerazorna ispitivanja*

- prEN ISO 16809 en
Non-destructive testing – Ultrasonic thickness measurement (ISO 16809:2017)
Nerazorno ispitivanje – Mjerenje debljine ultrazvukom (ISO 16809:2017)

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

- prEN 13598-1 en
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 1: Specifications for ancillary fittings and shallow chambers
- prEN 13598-2 en
Plastics piping systems for non-pressure underground drainage and sewerage – Unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE) – Part 2: Specifications for manholes and inspection chambers
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i kanalizaciju – Neomekšani poli(vinil-klorid) (PVC-U), polipropilen (PP) i polietilen (PE) – 2. dio: Specifikacije za kontrolna okna i kontrolne komore

HZN/TO 147, *Kvaliteta vode*

- prEN ISO 13163 en
Water quality – Lead-210 – Test method using liquid scintillation counting (ISO 13163:2013)
Kvaliteta vode – Olovo-210 – Metoda ispitivanja s upotrebom tekućinske scintilacije (ISO 13163:2013)

HZN/TO 207, *Upravljanje okolišem*

- prEN ISO 14063 en
Environmental management – Environmental communication – Guidelines and examples (ISO/DIS 14063:2018)
Upravljanje okolišem – Komunikacija o okolišu – Smjernice i primjeri (ISO/DIS 14063:2018)

HZN/TO 221, *Geosintetici*

- prEN ISO 12956 en
Geotextiles and geotextilverwandte Produkte – Bestimmung der charakteristischen Öffnungsweite (ISO/DIS 12956:2018)
Geotekstil i proizvodi srodni s geotekstilom – Određivanje karakteristične veličine otvora (ISO/DIS 12956:2018)

HZN/TO 503, *Metalni materijali*

- prEN 573-3 en
Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products
Aluminij i aluminijeve legure – Kemijski sastav i oblik gnječeni proizvoda – 3. dio: Kemijski sastav i oblik proizvoda

HZN/TO 509, *Cestovna oprema*

- prEN 1824 en
Road marking materials – Road trials
Materijali za oznake na kolniku – Ispitna kola
- prEN 1871 en
Road marking materials – Paint, thermoplastic and cold plastic materials – Physical properties

- prEN 12802 en
Road marking materials – Laboratory methods for identification
Materijali za oznake na kolniku – Laboratorijske metode za utvrđivanje svojstava

HZN/TO 517, *Posebne vrste konstrukcija*

- prEN 15512 en
Steel static storage systems – Adjustable pallet racking systems – Principles for structural design
Čelični nepokretni skladišni sustavi – Podesivi sustavi polica za palete – Načela za projektiranje

HZN/TO 521, *Usluge održavanja*

- ISO 55002:2018 en
Asset management – Management systems – Guidelines for the application of ISO 55001
Upravljanje imovinom – Sustavi upravljanja – Smjernice za primjenu norme ISO 55001

HZN/TO 524, *Inteligentni transportni sustavi*

- FprCEN/TS 17154-1 en
Electronic fee collection – Evaluation of implementation for conformity to CEN/TS 16986 – Part 1: Test suite structure and purposes

- FprCEN/TS 17154-2 en
Electronic fee collection – Evaluation of implementation for conformity to CEN/TS 16986 – Part 2: Abstract test suite

- prEN ISO 22418 en
Intelligent transport systems – Fast service announcement protocol (FSAP) (ISO 22418:2018)

HZN/TO 528, *Oprema za željeznice*

- prEN 15302 en
Railway Applications – Wheel-rail contact geometry parameters – Definitions and methods for evaluation

- prEN 16334-2 en
Railway applications – Passenger alarm system – Part 2: System requirements for urban rail

- prEN 17318-1 en
Railway applications – Infrastructure – Plastic sleepers and bearers – Part 1: General requirements

- prEN 17318-2 en
Railway applications – Infrastructure – Plastic sleepers and bearers – Part 2: Product testing

- prEN 17318-3 en
Railway applications – Infrastructure – Plastic sleepers and bearers – Part 3: Material characteristics

- prEN 17319 en
Railway applications – Infrastructure – Performance requirements of rail fastening systems for tramways – Complementary element

HZN/TO 533, *Kolničke konstrukcije*

- prEN 12697-1 en
Bituminous mixtures – Test methods – Part 1: Soluble binder content
Bitumenske mješavine – Metode ispitivanja – 1. dio: Topivi udio veziva

- prEN 12697-6 en
Bituminous mixtures – Test methods – Part 6: Determination of bulk density of bituminous specimens
Bitumenske mješavine – Metode ispitivanja – 6. dio: Određivanje gustoće asfaltnih uzoraka

prEN 12697-11 en
Bituminous mixtures – Test methods – Part 11: Determination of the affinity between aggregate and bitumen
Bitumenske mješavine – Metode ispitivanja – 11. dio: Određivanje prionljivosti bitumena i agregata

prEN 12697-14 en
Bituminous mixtures – Test methods – Part 14: Water content
Bitumenske mješavine – Metode ispitivanja – 14. dio: Udio vode

prEN 12697-19 en
Bituminous mixtures – Test methods – Part 19: Permeability of specimen
Bitumenske mješavine – Metode ispitivanja – 19. dio: Propusnost uzorka

prEN 12697-20 en
Bituminous mixtures – Test methods – Part 20: Indentation using cube or Marshall specimens
Bitumenske mješavine – Metode ispitivanja – 20. dio: Utiskivanje na kockama ili cilindričnim uzorcima (CY)

prEN 12697-21 en
Bituminous mixtures – Test methods – Part 21: Indentation using plate specimens
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 21. dio: Utiskivanje na pločastim uzorcima

prEN 12697-28 en
Bituminous mixtures – Test methods – Part 28: Preparation of samples for determining binder content, water content and grading
Bitumenske mješavine – Metode ispitivanja – 28. dio: Priprema uzoraka za određivanje udjela veziva, udjela vode i granulometrijskog sastava

prEN 12697-29 en
Bituminous mixtures – Test methods – Part 29: Determination of the dimensions of a bituminous specimen
Bitumenske mješavine – Metode ispitivanja – 29. dio: Određivanje dimenzija asfaltnog uzorka

prEN 12697-34 en
Bituminous mixtures – Test methods – Part 34: Marshall test
Bitumenske mješavine – Metode ispitivanja – 34. dio: Marshallovo ispitivanje

prEN 12697-39 en
Bituminous mixtures – Test methods – Part 39: Binder content by ignition
Bitumenske mješavine – Metode ispitivanja – 39. dio: Određivanje udjela veziva spaljivanjem

prEN 12697-40 en
Bituminous mixtures – Test methods – Part 40: In situ drainability
Bitumenske mješavine – Metode ispitivanja – 40. dio: Vodopropusnost in situ

prEN 12697-45 en
Bituminous mixtures – Test methods – Part 45: Saturation Ageing Tensile Stiffness (SATS) conditioning test
Bitumenske mješavine – Metode ispitivanja – 45. dio: Ispitivanje starenja zasićenim asfaltnim uzorcima (SATS)

prEN 12697-46 en
Bituminous mixtures – Test methods – Part 46: Low temperature cracking and properties by uniaxial tension tests
Bitumenske mješavine – Metode ispitivanja – 46. dio: Niskotemperaturne pukotine i svojstva pri jednoosnim vlačnim ispitivanjima

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

prEN ISO 13350 en
Fans – Performance testing of jet fans (ISO/DIS 13350:2018)
Ventilatori – Ispitivanje značajka impulsnih ventilatora (ISO/DIS 13350:2018)

HZN/TO 560, Tekstilni proizvodi

prEN ISO 3175-5 en
Textiles – Professional care, drycleaning and wetcleaning of fabrics and garments – Part 5: Procedure for testing performance when cleaning and finishing using dibutoxymethane (ISO/DIS 3175-5:2018)

prEN ISO 3175-6 en
Textiles – Professional care; drycleaning and wetcleaning of fabrics and garments – Part 6: Procedure for testing performance when cleaning and finishing using decamethylpentacyclosiloxane (ISO/DIS 3175-6:2018)

prEN ISO 20706-1 en
Textiles – Qualitative and quantitative analysis of some bast fibres (flax, hemp, ramie) and their blends – Part 1: Fibre identification using microscopy methods (ISO/DIS 20706-1:2018)

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

EN ISO 14456:2016/prA1 en
Gas cylinders – Gas properties and associated classification (FTSC) codes (ISO 14456:2015/DAMd 1:2018)
Plinske boce – Svojstva plina i pridružene razredbene (FTSC) oznake (ISO 14456:2015/DAMd 1:2018)

HZN/TO E2, Rotacijski strojevi

EN 60034-18-42:2017/prA1:2018 en
Rotating electrical machines – Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters – Qualification tests (IEC 60034-18-42:2017/am1:201X)
Rotacijski električni strojevi – Dio 18-42: Električni sustavi izolacije otporni na parcijalna izbijanja (tip II), koji se upotrebljavaju u rotacijskim električnim strojevima napajanim iz pretvarača napona – Kvalifikacijska ispitivanja (IEC 60034-18-42:2017/am1:201X)

HZN/TO E17, Sklopni i upravljački uređaji

prEN IEC 60947-4-2:2018 en
Low-voltage switchgear and controlgear – Part 4-2: Contactors and motor-starters – AC semiconductor motor controllers and starters (IEC 60947-4-2:201X)
Niskonaponska sklopna aparatura – Dio 4-2: Sklopnici i motorski pokretači – Poluvodički motorski kontroleri i pokretači za izmjeničnu struju (IEC 60947-4-2:201X)

HZN/TO E23, Električni instalacijski pribor

prEN IEC 63172:2018 en
Methodology for determining the energy efficiency class of electrical accessories (IEC 63172:201X)
Metodologija za određivanje razreda energetske učinkovitosti električnog pribora (IEC 63172:201X)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

EN IEC 60238:2018/prA2:2019 en
Edison screw lampholders (IEC 60238:2016/am2:201X)
Grla za žarulje s Edisonovim navojem (IEC 60238:2016/am2:201X)

EN 60400:2017/prA1:2019 en
Lampholders for tubular fluorescent lamps and starterholders (IEC 60400:2017/am1:201X)
Grla za fluorescentne cijevi i startere (IEC 60400:2017/am1:201X)

EN 60570:2003/prA2:2019 en
Electrical supply track systems for luminaires (IEC 60570:2003/am2:201X)
Tračni sustavi električnoga napajanja za svjetiljke (IEC 60570:2003/am2:201X)

prEN IEC 60598-2-1:2019 en
Luminaires – Part 2: Particular requirements – Section One: Fixed general purpose luminaires (IEC 60598-2-1:201X)
Svjetiljke – 2. dio: Posebni zahtjevi – 1. poglavlje: Fiksne svjetiljke za opću uporabu (IEC 60598-2-1:201X)

EN 60838-1:2017/prA2:2019 en
Miscellaneous lampholders – Part 1: General requirements and tests (IEC 60838-1:2016/am2:201X)
Raznovrsna grla za žarulje – 1. dio: Opći zahtjevi i ispitivanja (IEC 60838-1:2016/am2:201X)

EN 61184:2017/prA1:2019 en
Bayonet lampholders (IEC 61184:2017/am1:201X)
Bajunetna grla za žarulje (IEC 61184:2017/am1:201X)

prEN IEC 62868-1:2019 en
Organic light emitting diode (OLED) Light sources for general lighting – Safety – Part 1: General requirements and tests (IEC 62868-1:201X)
Izvori svjetla od organskih svjetlećih dioda (OLED) za opću rasvjetu – Sigurnost – 1. dio: Opći zahtjevi i ispitivanja (IEC 62868-1:201X)

HZN/TO E37, Odvodnici prenapona

prEN IEC 61643-331:2018 en
Components for low-voltage surge protective devices – Part 331: Performance requirements and test methods for metal oxide varistors (MOV) (IEC 61643-331:201X)
Komponente prenaponskih zaštitnih naprava za niski napon – 331. dio: Izvedbeni zahtjevi i metode ispitivanja za metaloksidne varistore (MOV) (IEC 61643-331:201X)

HZN/TO E56, Pouzdanost

prEN IEC 61163-2:2018 en
Reliability stress screening – Part 2: Components (IEC 61163-2:201X)
Provjera pouzdanosti naprezanjem – 2. dio: Komponente (IEC 61163-2:201X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

prEN IEC 60335-1:2019 {frag 2} en
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:201X {frag 2})
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:201X {frag 2})

prEN IEC 60335-1:2019 {frag 3} en
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:201X {frag 3})
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:201X {frag 3})

prEN IEC 60335-1:2019 {frag 4} en
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:201X {frag 4})
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:201X {frag 4})

prEN IEC 60335-1:2019 {frag 5} en
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:201X {frag 5})
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:201X {frag 5})

HZN/TO E62, Električna oprema u medicinskoj praksi

prEN IEC 60601-2-19:2019 en
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:201X)
Medicinski električni uređaji – Dio 2-19: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke inkubatora za novorođenčad (IEC 60601-2-19:201X)

prEN IEC 60601-2-20:2019 en
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:201X)
Medicinski električni uređaji – Dio 2-20: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke prijevoznih inkubatora za novorođenčad (IEC 60601-2-20:201X)

prEN IEC 60601-2-21:2019 en
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (IEC 60601-2-21:201X)
Medicinski električni uređaji – Dio 2-21: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke za grijače novorođenčadi koji griju zračenjem (IEC 60601-2-21:201X)

prEN IEC 60601-2-50:2019 en
Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment (IEC 60601-2-50:201X)
Medicinska električna oprema – Dio 2-50: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za fototerapiju novorođenčadi (IEC 60601-2-50:201X)

prEN IEC 63077:2018 en
Good refurbishment practices for medical imaging equipment (IEC 63077:201X)

prEN IEC 80601-2-35:2019 en
Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads and mattresses and intended for heating in medical use (IEC 80601-2-35:201X)
Medicinska električna oprema – Dio 2-35: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za grijanje koji upotrebljavaju pokrivače, jastuke i madrace, a namijenjeni su za grijanje u medicinske svrhe (IEC 80601-2-35:201X)

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

EN IEC 61918:2018/prAA:2018 en
Industrial communication networks – Installation of communication networks in industrial premises
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima

HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu

FprEN 60730-2-9:2016/prA2:2018 en
Automatic electrical controls – Part 2-9: Particular requirements for temperature sensing control (IEC 60730-2-9:2015/am2:201X)
Električne naprave za automatsko upravljanje – Dio 2-9: Posebni zahtjevi za električne regulatore temperature (IEC 60730-2-9:2015/am2:201X)

HZN/TO E100, Audio, video i multimedijski sustavi te njihova oprema

prEN IEC 63005-2:2018 en
Event video data recorder for road vehicle accidents – Part 2: Test methods for evaluating the performance of basic functions (TA 17) (IEC 63005-2:201X)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

EN 55016-1-4:2018/prA1:2019 {frag 3} en
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:201X/am1:201X {frag 3})
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Antene i ispitna mjesta za mjerenje zračenih smetnja (CISPR 16-1-4:201X/am1:201X {frag 3})

prEN IEC 61000-4-11:2019 en
Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase (IEC 61000-4-11:201X)
Elektromagnetska kompatibilnost (EMC) – Dio 4-11: Ispitne i mjerne tehnike – Ispitivanje otpornosti na naponske propade, kratkotrajne prekide i naponske promjene za uređaje s ulaznom strujom do 16 A po fazi (IEC 61000-4-11:201X)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 338-1 V1.4.3:2018 en
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 1. dio: Opći zahtjevi

Draft EN 301 908-1 V11.1.7:2018 en
IMT cellular networks – Harmonised Standard for access to radio spectrum – Part 1: Introduction and common requirements
Celularne mreže IMT – Harmonizirana norma za pristup radijskom spektru – 1. dio: Uvod i opći zahtjevi

Draft EN 303 213-3 V1.2.0:2018 en

Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 3: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for a deployed cooperative sensor including its interfaces

Unaprijeđeni sustav vođenja i nadziranja kretanja na tlu (A-SMGCS) – 3. dio: Specifikacija zajednice za primjenu Uredbe o interoperabilnosti na jedinstvenom europskom nebu EC 552/2004 za instalirani kooperativni senzor s njegovim sučeljima

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

prEN ISO 10833 en

Textile floor coverings – Determination of resistance to damage at cut edges using the modified Vettermann drum test (ISO 10833:2017)

Tekstilne podne obloge – Određivanje otpornosti na oštećivanje odreznih rubova ispitivanjem modificiranim Vettermannovim bubnjem (ISO 10833:2017)

prEN ISO 16581 en

Resilient and laminate floor coverings – Determination of the effect of simulated movement of a furniture leg (ISO 16581:2014)

Elastične i laminatne podne obloge – Određivanje utjecaja simuliranog pomicanja noge namještaja (ISO 16581:2014)

HZN/TU B1, Graditeljstvo 1

FprCEN/TS 17331 en

Construction products: Assessment of release of dangerous substances – Content of organic substances – Methods for extraction and analysis

Građevni proizvodi: Procjena otpuštanja opasnih tvari – Sadržaj organskih tvari – Metode ekstrakcije i analize

FprCEN/TS 17332 en

Construction products: Assessment of release of dangerous substances – Analysis of organic substances in eluates

Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza organskih tvari u eluatima

HZN/TU M1, Metalni materijali 1

prEN ISO 4491-4 rev en

Metallic powders – Determination of oxygen content by reduction methods – Part 4: Total oxygen by reduction-extraction (ISO/DIS 4491-4:2018)

Metalni prah – Određivanje udjela kisika metodama redukcije – 4. dio: Ukupni kisik pomoću redukcije-ekstrakcije (ISO/DIS 4491-4:2018)

prEN ISO 11494 en

Jewellery and precious metals – Determination of platinum in platinum alloys – ICP-OES method using an internal standard element (ISO/DIS 11494:2018)

Nakit i plemeniti metali – Određivanje platine u legurama platine – Metoda ICP-OES upotrebom unutrašnjega standardnog elementa (ISO/DIS 11494:2018)

prEN ISO 11495 en

Jewellery and precious metals – Determination of palladium in palladium alloys – ICP-OES method using an internal standard element (ISO/DIS 11495:2018)

Nakit i plemeniti metali – Određivanje paladija u legurama paladija – Metoda ICP-OES upotrebom unutrašnjega standardnog elementa (ISO/DIS 11495:2018)

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

prEN ISO 7492 en

Dentistry – Dental explorer (ISO/FDIS 7492:2018)

Stomatologija – Stomatološka sonda (ISO/FDIS 7492:2018)

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

FprEN 3278 en

Aerospace series – Sleeves, tubular, protruding head, in corrosion resisting steel, passivated (0,25 mm wall thickness)

Zrakoplovstvo – Navlake, cjevaste, s izbočenom glavom, od čelika otpornog na koroziju, pasivizirane (debljine zida 0,25 mm)

FprEN 3299 en

Aerospace series – Shaft-nuts and threaded rings, self-locking, right- or left-hand MJ threads, in heat resisting steel FE-PA2601 (A286), silver plated – Technical specification

Zrakoplovstvo – Osovinske matice i navojni prsteni, samozatvarajući, lijevi ili desni MJ navoji, od čelika otpornog na toplinu FE-PA2601 (A286), prevučene srebrom – Tehnička specifikacija

FprEN 3685 en

Aerospace series – Bolts in heat resisting steel FE-PA2601 (A286) – Classification: 1 100 MPa/650 °C – Technical specification

Zrakoplovstvo – Matice od čelika otpornog na toplinu FE-PA2601 (A286) – Klasifikacija: 1100 MPa/650 °C – Tehnička specifikacija

FprEN 4161 en

Aerospace series – Screws, pan head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated – Classification: 1 100 PMA (at ambient temperature) / 235 °C

Zrakoplovstvo – Vijci, s ravnom glavom, s ujednačenim križnim urezom, normalnog struka grube tolerancije, dugog navoja, od legure čelika, prevučeni kadmijem – Klasifikacija: 1 100 MPa (pri temperaturi okoline) / 235 °C

prEN 16307-1 en

Industrial trucks – Safety requirements and verification – Part 1: Supplementary requirements for self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks

Industrijski kamioni – Sigurnosni zahtjevi i potvrđivanje – 1. dio: Dodatni zahtjevi za industrijske kamione s vlastitim pogonom osim kamiona bez vozača, kaminona različitoga dometa i teretnih kamiona

prEN 16602-70-16 en

Space product assurance – Adhesive bonding for spacecraft and launcher applications

HZN/TU V1, Elektronika 1

prEN IEC 61076-2-011:2018 en

Connectors for electrical and electronic equipment – Product requirements – Part 2-011: Circular connectors – Detail specification for B12 bayonet coupling connectors based on mating interfaces according to IEC 61076-2-101 and IEC 61076-2-109 (IEC 61076-2-011:201X)

prEN IEC 61300-2-54:2018 en

Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-54: Tests – Corrosive atmosphere (mixed gas) (IEC 61300-2-54:201X)

prEN IEC 62047-35:2018 en

Semiconductor devices – Micro-electromechanical devices – Part 35: Test method of electrical characteristics under bending deformation for flexible and foldable electro-mechanical devices (IEC 62047-35:201X)

prEN IEC 62109-3:2019 en

Safety of power converters for use in photovoltaic power systems – Part 3: Particular requirements for electronic devices in combination with photovoltaic elements (IEC 62109-3:201X)

prEN IEC 62343-3-3:2019 en

Dynamic modules – Part 3-3: Performance specification templates – Wavelength selective switches (IEC 62343-3-3:201X)

EN 62852:2015/prA1:2018 en

Connectors for DC-application in photovoltaic systems – Safety requirements and tests (IEC 62852:2014/am1:201X)

HZN/TU W1, Energetska elektrotehnika 1

prEN IEC 60519-1:2018 en

Safety in installations for electroheating and electromagnetic processing – Part 1: General requirements (IEC 60519-1:201X)

Sigurnost u instalacijama za električno grijanje i elektromagnetsku obradu – 1. dio: Opći zahtjevi (IEC 60519-1:201X)

- FrEN 60704-2-3:201X/prA11 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-3: Particular requirements for dishwashers
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-3: Posebni zahtjevi za perilice posuđa
- prEN IEC 60704-2-7:2018 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-7: Particular requirements for fans (IEC 60704-2-7:201X)
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 2. dio: Posebni zahtjevi za sušila za kosu (IEC 60704-2-7:201X)
- prEN IEC 61960-4:2019 en
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications – Part 4: Coin types (button) lithium secondary cells and batteries (IEC 61960-4:201X)
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni litijevi članci i baterije za primjenu u prijenosnim uređajima – 4. dio: Dugmasti litijevi sekundarni članci i baterije (IEC 61960-4:201X)
- prEN IEC 62282-8-102:2018 en
Fuel cell technologies – Part 8-102: Energy storage systems using fuel cell modules in reverse mode – Test procedures for proton exchange membrane single cell and stack performance including reversing operation (IEC 62282-8-102:201X)
- prEN IEC 62282-8-201:2018 en
Fuel cell technologies – Part 8-201: Energy storage systems using fuel cell modules in reverse mode – Power-to-power systems – Performance (IEC 62282-8-201:201X)
- prEN IEC/ASTM 62885-6 en
Surface cleaning appliances – Part 6: Wet hard floor cleaning appliances for household or similar use – Methods for measuring the performance (IEC/ASTM 62885-6:2018)
Uređaji za čišćenje površina – 6. dio: Uređaji za mokro čišćenje tvrdih podova za kućnu i sličnu primjenu – Metode za mjerenje radnih značajka (IEC/ASTM 62885-6:2018)
- prEN IEC 62885-8:2018 en
Surface cleaning appliances – Part 8: Dry vacuum cleaners for commercial use – Methods for measuring the performance (IEC 62885-8:201X)
Uređaji za čišćenje površina – 8. dio: Suhi usisavači za komercijalnu primjenu – Metode za mjerenje radnih značajka (IEC 62885-8:201X)
- prEN IEC 63115-1:2019 en
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride rechargeable cells and modules for use in industrial applications – Part 1: Performance (IEC 63115-1:201X)

1.4 Povučene hrvatske norme

Na prijedlog tehničkog odbora ravnatelj Hrvatskoga zavoda za norme donosi odluku o povlačenju hrvatske norme kada je donesena nova hrvatska norma ili kada je postojeća hrvatska norma postala neprimjenjiva.

Kada je koje područje uređeno propisima i neki od propisa (pravilnik, naredba, naputak) upućuje na norme koje su povučene, one se primjenjuju silom tih propisa i bit će, do izmjene propisa ili izradbe novih, na raspolaganju u Normoteci HZN-a.

HZN/TO 43, Akustika

- HRN EN ISO 17201-1:2008 en
Akustika – Buka streljana – 1. dio: Određivanje praska koji nastaje na izlazu cijevi mjerenjem (ISO 17201-1:2005; EN ISO 17201-1:2005)
Acoustics – Noise from shooting ranges – Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2005; EN ISO 17201-1:2005)
- zamijenjena s: HRN EN ISO 17201-1:2019

- HRN EN ISO 17201-1:2008/Ispr.1:2009 en
Akustika – Buka streljana – 1. dio: Određivanje praska koji nastaje na izlazu cijevi mjerenjem (ISO 17201-1:2005/Cor 1:2009; EN ISO 17201-1:2005/AC:2009)
Acoustics – Noise from shooting ranges – Part 1: Determination of muzzle blast by measurement (ISO 17201-1:2005/Cor 1:2009; EN ISO 17201-1:2005/AC:2009)
- zamijenjena s: HRN EN ISO 17201-1:2019

HZN/TO 71, Beton

- HRS CEN/TS 12390-10:2008 en
Ispitivanje očvrstnuloa betona – 10. dio: Određivanje relativne otpornosti betona na karbonizaciju (CEN/TS 12390-10:2007)
Testing hardened concrete – Part 10: Determination of the relative carbonation resistance of concrete (CEN/TS 12390-10:2007)
- zamijenjena s: HRN EN 12390-10:2019

HZN/TO 74, Cement i vapno

- HRN EN 196-6:2010 en
Metode ispitivanja cementa – Određivanje finoće (EN 196-6:2010)
Methods of testing cement – Determination of fineness (EN 196-6:2010)
- zamijenjena s: HRN EN 196-6:2019

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

- HRN EN 14825:2016 en
Klimatizacijski uređaji, rashladnici kapljevina i dizalice topline s kompresorima na električni pogon za grijanje i hlađenje prostora – Ispitivanje i mjerenje učinka pri uvjetima djelomičnog opterećenja i proračun sezonskih značajka (EN 14825:2016)
Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling – Testing and rating at part load conditions and calculation of seasonal performance (EN 14825:2016)
- zamijenjena s: HRN EN 14825:2019

HZN/TO 92, Zaštita od požara

- HRN EN 13501-1:2010 en
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 1. dio: Razredba prema rezultatima ispitivanja reakcije na požar (EN 13501-1:2007+A1:2009)
Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests (EN 13501-1:2007+A1:2009)
- zamijenjena s: HRN EN 13501-1:2019
- HRN EN 13501-6:2014 en
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 6. dio: Razredba prema rezultatima ispitivanja reakcije na požar električnih kabela (EN 13501-6:2014)
Fire classification of construction products and building elements – Part 6: Classification using data from reaction to fire tests on electric cables (EN 13501-6:2014)
- zamijenjena s: HRN EN 13501-6:2019

HZN/TO 135, Nerazorna ispitivanja

- HRI CEN ISO/TR 25108:2008 en
Nerazorno ispitivanje – Smjernice za organizacije koje provode osposobljavanje NDT-osoblja (ISO/TR 25108:2006; CEN ISO/TR 25108:2006)
Non-destructive testing – Guidelines for NDT personnel training organizations (ISO/TR 25108:2006; CEN ISO/TR 25108:2006)
- zamijenjena s: HRS CEN ISO/TS 25108:2019

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

- HRN EN ISO 13257:2017 en
Plastomerni cijevni sustavi za odvodnju onečišćenih i otpadnih voda unutar zgrada – Ispitna metoda za određivanje otpornosti pri cikličkim promjenama temperature (ISO 13257:2010; EN ISO 13257:2017)
Thermoplastics piping systems for non-pressure applications – Test method for resistance to elevated temperature cycling (ISO 13257:2010; EN ISO 13257:2017)
- zamijenjena s: HRN EN ISO 13257:2019

HRN CEN ISO/TS 15874-7:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polipropilen (PP) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15874-7:2003; CEN ISO/TS 15874-7:2003)
Plastics piping systems for hot and cold water installations – Polypropylene (PP) – Part 7: Guidance for the assessment of conformity (ISO/TS 15874-7:2003; CEN ISO/TS 15874-7:2003)
- zamijenjena s: HRS CEN ISO/TS 15874-7:2019

HRN CEN ISO/TS 15875-7:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Umreženi polietilen (PE-X) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15875-7:2003; CEN ISO/TS 15875-7:2003)
Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X) – Part 7: Guidance for the assessment of conformity (ISO/TS 15875-7:2003; CEN ISO/TS 15875-7:2003)
- zamijenjena s: HRS CEN ISO/TS 15875-7:2019

HRN CEN ISO/TS 15876-7:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15876-7:2003; CEN ISO/TS 15876-7:2003)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 7: Guidance for the assessment of conformity (ISO/TS 15876-7:2003; CEN ISO/TS 15876-7:2003)
- zamijenjena s: HRS CEN ISO/TS 15876-7:2019

HRS CEN ISO/TS 15877-7:2010 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Klorirani polivinil-klorid (PVC-C) – 7. dio: Upute za ocjenu sukladnosti (ISO/TS 15877-7:2009; CEN ISO/TS 15877-7:2009)
Plastics piping systems for hot and cold water installations – Chlorinated poly(vinyl chloride) (PVC-C) – Part 7: Guidance for the assessment of conformity (ISO/TS 15877-7:2009; CEN ISO/TS 15877-7:2009)
- zamijenjena s: HRS CEN ISO/TS 15877-7:2019

HRS CEN ISO/TS 22391-7:2012 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polietileni postojani pri povišenoj temperaturi (PE-RT) – 7. dio: Upute za ocjenjivanje sukladnosti (ISO/TS 22391-7:2011; CEN ISO/TS 22391-7:2011)
Plastics piping systems for hot and cold water installations – Polyethylene of raised temperature resistance (PE-RT) – Part 7: Guidance for the assessment of conformity (ISO/TS 22391-7:2011; CEN ISO/TS 22391-7:2011)
- zamijenjena s: HRS CEN ISO/TS 22391-7:2019

HZN/TO 147, Kvaliteta vode

HRN EN ISO 11704:2015 en

Kvaliteta vode – Mjerenje ukupne alfa i beta koncentracije aktivnosti u slatkoj vodi – Metoda tekućinske scintilacije (ISO 11704:2010; EN ISO 11704:2015)
Water quality – Measurement of gross alpha and beta activity concentration in non-saline water – Liquid scintillation counting method (ISO 11704:2010; EN ISO 11704:2015)
- zamijenjena s: HRN EN ISO 11704:2019

HZN/TO 179, Zidane konstrukcije

HRS CEN/TS 772-22:2008 en

Metode ispitivanja zidnih elemenata – 22. dio: Određivanje otpornosti opečnih zidnih elemenata na zamrzavanje i odmrzavanje (CEN/TS 772-22:2006)
Methods of test for masonry units – Part 22: Determination of freeze/thaw resistance of clay masonry units (CEN/TS 772-22:2006)
- zamijenjena s: HRN EN 772-22:2019

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

HRN EN 71-14:2017 en

Sigurnost igraćaka – 14. dio: Trampolini za kućnu uporabu (EN 71-14:2014+A1:2017)
Safety of toys – Part 14: Trampolines for domestic use (EN 71-14:2014+A1:2017)
- zamijenjena s: HRN EN 71-14:2019

HRN EN 1888:2012 en

Proizvodi za dojenčad i malu djecu – Prijevozna sredstva na kotačima za djecu – Sigurnosni zahtjevi i metode ispitivanja (EN 1888:2012)
Child care articles – Wheeled child conveyances – Safety requirements and test methods (EN 1888:2012)
- zamijenjena s: HRN EN 1888-1:2019

HZN/TO 182, Geotehničke konstrukcije

HRN EN 12716:2008 en

Izvedba posebnih geotehničkih radova – Mlazno injektiranje (EN 12716:2001)
Execution of special geotechnical works – Jet grouting (EN 12716:2001)
- zamijenjena s: HRN EN 12716:2019

HRS CEN ISO/TS 17892-10:2008 en

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 10. dio: Izravni posmik (ISO/TS 17892-10:2004; CEN ISO/TS 17892-10:2004)
Geotechnical investigation and testing – Laboratory testing of soil – Part 10: Direct shear tests (ISO/TS 17892-10:2004; CEN ISO/TS 17892-10:2004)
- zamijenjena s: HRN EN ISO 17892-10:2019

HZN/TO 190, Kvaliteta tla

HRN ISO 10381-1:2009 en

Kakvoća tla – Uzorkovanje – 1. dio: Upute za nacrt programa uzorkovanja (ISO 10381-1:2002)
Soil quality – Sampling – Part 1: Guidance on the design of sampling programmes (ISO 10381-1:2002)
- zamijenjena s: HRN ISO 18400-101:2017, HRN ISO 18400-104:2019, HRN ISO 18400-107:2017

HRN ISO 10381-4:2009 en

Kakvoća tla – Uzorkovanje – 4. dio: Upute za postupke istraživanja prirodnih, gotovo prirodnih i kultiviranih površina (ISO 10381-4:2003)
Soil quality – Sampling – Part 4: Guidance on the procedure for investigation of natural, near-natural and cultivated sites (ISO 10381-4:2003)
- zamijenjena s: HRN ISO 18400-104:2019, HRN ISO 18400-202:2019, HRN ISO 18400-205:2019

HRN ISO 10381-5:2009 en

Kakvoća tla – Uzorkovanje – 5. dio: Upute za postupke istraživanja urbanih i industrijskih površina s obzirom na kontaminaciju tla (ISO 10381-5:2005)
Soil quality – Sampling – Part 5: Guidance on the procedure for the investigation of urban and industrial sites with regard to soil contamination (ISO 10381-5:2005)
- zamijenjena s: HRN ISO 18400-104:2019, HRN ISO 18400-202:2019, HRN ISO 18400-203:2019

HRN ISO 10381-8:2009 en

Kakvoća tla – Uzorkovanje – 8. dio: Upute za uzorkovanje iskopanog tla (ISO 10381-8:2006)
Soil quality – Sampling – Part 8: Guidance on sampling of stockpiles (ISO 10381-8:2006)
- zamijenjena s: HRN ISO 18400-104:2019

HRN EN ISO 15175:2011 en

Kvaliteta tla – Karakterizacija tla koja se odnosi na zaštitu podzemnih voda (ISO 15175:2004; EN ISO 15175:2011)
Soil quality – Characterization of soil related to groundwater protection (ISO 15175:2004; EN ISO 15175:2011)
- zamijenjena s: HRN EN ISO 15175:2019

HRN EN ISO 16133:2012 en

Kvaliteta tla – Upute o uspostavljanju i provođenju programa nadzora (ISO 16133:2004; EN ISO 16133:2011)
Soil quality – Guidance on the establishment and maintenance of monitoring programmes (ISO 16133:2004; EN ISO 16133:2011)
- zamijenjena s: HRN EN ISO 16133:2019

HZN/TO 221, Geosintetici

HRN EN ISO 12957-1:2005 en

Geosintetici – Određivanje značajka trenja – 1. dio: Ispitivanje izravnim posmikom (ISO 12957-1:2005; EN ISO 12957-1:2005)
Geosynthetics – Determination of friction characteristics – Part 1: Direct shear test (ISO 12957-1:2005; EN ISO 12957-1:2005)
- zamijenjena s: HRN EN ISO 12957-1:2019

HRN EN ISO 13438:2005 en

Geotekstili i proizvodi srodni s geotekstilom – Selektivna ispitna metoda za određivanje otpornosti na oksidaciju (ISO 13438:2004; EN ISO 13438:2004)
Geotextiles and geotextile-related products – Screening test method for determining the resistance to oxidation (ISO 13438:2004; EN ISO 13438:2004)
- zamijenjena s: HRN EN ISO 13438:2019

HZN/TO 503, Metalni materijali

HRN EN ISO 3211:2010 en
Anodizacija aluminija i njegovih legura – Ocjenjivanje otpornosti prevlaka dobivenih anodnom oksidacijom na nastajanje pukotina pri deformiranju (ISO 3211:2010; EN ISO 3211:2010)
Anodizing of aluminium and its alloys – Assessment of resistance of anodic oxidation coatings to cracking by deformation (ISO 3211:2010; EN ISO 3211:2010)
- zamijenjena s: HRN EN ISO 3211:2019

HRN EN ISO 6506-2:2014 en
Metalni materijali – Ispitivanje tvrdoće prema Brinellu – 2. dio: Provjeravanje i umjeravanje ispitnih uređaja (ISO 6506-2:2014; EN ISO 6506-2:2014)
Metallic materials – Brinell hardness test – Part 2: Verification and calibration of testing machines (ISO 6506-2:2014; EN ISO 6506-2:2014)
- zamijenjena s: HRN EN ISO 6506-2:2019

HRN EN ISO 8994:2011 en
Anodna obrada aluminija i aluminijevih legura – Sustav ocjenjivanja za vrednovanje rupičaste korozije – Metoda isrcrtavanjem mreže (ISO 8994:2011; EN ISO 8994:2011)
Anodizing of aluminium and its alloys – Rating system for the evaluation of pitting corrosion – Grid method (ISO 8994:2011; EN ISO 8994:2011)
- zamijenjena s: HRN EN ISO 8994:2019

HRN ISO 14707:2010 en
Površinska kemijska analiza – Optička emisijska spektrometrija (GD-OES) – Uvod u uporabu (ISO 14707:2000)
Surface chemical analysis – Glow discharge optical emission spectrometry (GD-OES) – Introduction to use (ISO 14707:2000)
- zamijenjena s: HRN ISO 14707:2019

HRN ISO 18115-1:2010 en
Površinska kemijska analiza – Terminološki rječnik – 1. dio: Opće nazivlje i nazivlje koje se upotrebljava u spektroskopiji (ISO 18115-1:2010)
Surface chemical analysis – Vocabulary – Part 1: General terms and terms used in spectroscopy (ISO 18115-1:2010)
- zamijenjena s: HRN ISO 18115-1:2019

HRN ISO 18115-2:2010 en
Površinska kemijska analiza – Terminološki rječnik – 2. dio: Nazivlje koje se upotrebljava u mikroskopiji s pretražnom sondom (ISO 18115-2:2010)
Surface chemical analysis – Vocabulary – Part 2: Terms used in scanning-probe microscopy (ISO 18115-2:2010)
- zamijenjena s: HRN ISO 18115-2:2019

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 6158:2012 en
Metalne prevlake – Elektrokemijske kromatne prevlake za inženjerske namjene (ISO 6158:2011; EN ISO 6158:2011)
Metallic and other inorganic coatings – Electrodeposited coatings of chromium for engineering purposes (ISO 6158:2011; EN ISO 6158:2011)
- zamijenjena s: HRN EN ISO 6158:2019

HRN ISO 9587:2001 en
Metalne i druge anorganske prevlake – Predobrada željeza ili čelika s ciljem smanjenja mogućnosti pojave vodikove krhkosti (ISO 9587:1999)
Metallic and other inorganic coatings – Pretreatment of iron or steel to reduce the risk of hydrogen embrittlement (ISO 9587:1999)
- zamijenjena s: HRN ISO 9587:2019

HRN ISO 9588:2001 en
Metalne i druge anorganske prevlake – Naknadna obrada željeza ili čelika s ciljem smanjenja mogućnosti pojave vodikove krhkosti (ISO 9588:1999)
Metallic and other inorganic coatings – Post-coating treatment of iron or steel to reduce the risk of hydrogen embrittlement (ISO 9588:1999)
- zamijenjena s: HRN ISO 9588:2019

HRN ISO 9591:1999 en
Korozija legura aluminija – Određivanje otpornosti na korozijsko raspucavanje uz naprezanje (ISO 9591:1992)
Corrosion of aluminium alloys – Determination of resistance to stress corrosion cracking (ISO 9591:1992)
- zamijenjena s: HRN ISO 9591:2019

HZN/TO 505, Prijenos i distribucija plina

HRS CEN/TS 15399:2010 en
Sustavi opskrbe plinom – Smjernice za sustave upravljanja mrežom distribucije plina (CEN/TS 15399:2007)
Gas Supply Systems – Guidelines for Management systems for Gas Distribution Network (CEN/TS 15399:2007)
- zamijenjena s: HRN EN 15399:2019

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

HRN EN ISO 15112:2014 en
Prirodni plin – Određivanje ogrjevne vrijednosti (ISO 15112:2011; EN ISO 15112:2014)
Natural gas – Energy determination (ISO 15112:2011; EN ISO 15112:2014)
- zamijenjena s: HRN EN ISO 15112:2019

HZN/TO 508, Ambalaža i pakiranje

HRN EN ISO 20848-3:2008 en
Ambalaža – Plastične bačve – 3. dio: Sustav zatvaranja čepovima za plastične bačve nazivnog obujma od 113,6 l do 220 l (ISO 20848-3:2006; EN ISO 20848-3:2008)
Packaging – Plastics drums – Part 3: Plug/bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l (ISO 20848-3:2006; EN ISO 20848-3:2008)
- zamijenjena s: HRN EN ISO 20848-3:2019

HZN/TO 509, Cestovna oprema

HRN EN 1794-1:2018 en
Barijere za zaštitu od buke s cesta – Neakustična svojstva – 1. dio: Mehanička svojstva i zahtjevi za stabilnost (EN 1794-1:2018)
Road traffic noise reducing devices – Non-acoustic performance – Part 1: Mechanical performance and stability requirements (EN 1794-1:2018)
- zamijenjena s: HRN EN 1794-1:2019

HZN/TO 517, Posebne vrste konstrukcija

HRN EN 13374:2013 en
Privremene ograde – Specifikacija proizvoda – Metoda ispitivanja (EN 13374:2013)
Temporary edge protection systems – Product specification – Test methods (EN 13374:2013)
- zamijenjena s: HRN EN 13374:2019

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 14836:2008 en
Površine od sintetičkih materijala za vanjske sportske terene – Izloženost umjetnom starenju (EN 14836:2005+AC:2007)
Synthetic surfaces for outdoor sports areas – Exposure to artificial weathering (EN 14836:2005+AC:2007)
- zamijenjena s: HRN EN 14836:2019

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 14701-4:2011 en
Karakterizacija mulja – Filtracijska svojstva – 4. dio: Određivanje isušanih flokuliranih muljeva (EN 14701-4:2010)
Characterization of sludges – Filtration properties – Part 4: Determination of the drainability of flocculated sludges (EN 14701-4:2010)
- zamijenjena s: HRN EN 14701-4:2019

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 14906:2012 en
Elektronička naplata – Definicije programskih sučelja za dodijeljeno kratkovalno područje komunikacije (ISO 14906:2011; EN ISO 14906:2011)
Electronic fee collection – Application interface definition for dedicated short-range communication (ISO 14906:2011; EN ISO 14906:2011)
- zamijenjena s: HRN EN ISO 14906:2019

HRN EN ISO 14906:2012/A1:2015 en
Elektronička naplata – Definicije programskih sučelja za dodijeljeno kratkovalno područje komunikacije (ISO 14906:2011/Amd 1:2015; EN ISO 14906:2011/A1:2015)
Electronic fee collection – Application interface definition for dedicated short-range communication (ISO 14906:2011/Amd 1:2015; EN ISO 14906:2011/A1:2015)
- zamijenjena s: HRN EN ISO 14906:2019

HRN EN ISO 14906:2012/Ispr.1:2013 en
Elektronička naplata – Definicije programskih sučelja za dodijeljeno kratkovalno područje komunikacije – Tehnički ispravak 1 (ISO 14906:2011/Cor 1:2013; EN ISO 14906:2011/AC:2013)
Electronic fee collection – Application interface definition for dedicated short-range communication – Technical Corrigendum 1 (ISO 14906:2011/Cor 1:2013; EN ISO 14906:2011/AC:2013)
- zamijenjena s: HRN EN ISO 14906:2019

HRS CEN/TS 16157-1:2012 en
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 1. dio: Okruženje i okvir (CEN/TS 16157-1:2011)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 1: Context and framework (CEN/TS 16157-1:2011)
- zamijenjena s: HRN EN 16157-1:2019, HRN EN 16157-7:2019

HRS CEN/TS 16157-3:2012 en
Inteligentni transportni sustavi – DATEX II specifikacija za razmjenu podataka za upravljanje prometom i informiranje – 3. dio: Objava situacija (CEN/TS 16157-3:2011)
Intelligent transport systems – DATEX II data exchange specifications for traffic management and information – Part 3: Situation Publication (CEN/TS 16157-3:2011)
- zamijenjena s: HRN EN 16157-3:2019

HRS CEN ISO/TS 16407-2:2012 en
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-1 – 2. dio: Načelni niz testova (ISO/TS 16407-2:2012; CEN ISO/TS 16407-2:2012)
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-1 – Part 2: Abstract test suite (ISO/TS 16407-2:2012; CEN ISO/TS 16407-2:2012)
- zamijenjena s: HRN EN ISO 16407-2:2019

HRS CEN ISO/TS 16410-2:2012 en
Elektronička naplata – Vrednovanje opreme sukladno ISO/TS 17575-3 – 2. dio: Načelni niz testova (ISO/TS 16410-2:2012; CEN ISO/TS 16410-2:2012)
Electronic fee collection – Evaluation of equipment for conformity to ISO/TS 17575-3 – Part 2: Abstract test suite (ISO/TS 16410-2:2012; CEN ISO/TS 16410-2:2012)
- zamijenjena s: HRN EN ISO 16410-2:2019

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

HRN EN 12310-2:2003 en
Saviljive hidroizolacijske trake – Određivanje otpornosti na trganje – 2. dio: Plastične i elastomerne hidroizolacijske trake za krovove (EN 12310-2:2000)
Flexible sheets for waterproofing – Determination of resistance to tearing – Part 2: Plastic and rubber sheets for roof waterproofing (EN 12310-2:2000)
- zamijenjena s: HRN EN 12310-2:2019

HRN EN 16002:2010 en
Saviljive hidroizolacijske trake – Bitumenske, plastične i elastomerne hidroizolacijske trake za krovove – Određivanje otpornosti na podizanje vjetrom (EN 16002:2010)
Flexible sheets for waterproofing – Determination of the resistance to wind load of mechanically fastened flexible sheets for roof waterproofing (EN 16002:2010)
- zamijenjena s: HRN EN 16002:2019

HZN/TO 528, Oprema za željeznice

HRN EN 14067-4:2014 en
Željeznički sustav – Aerodinamika – 4. dio: Zahtjevi i ispitni postupci za aerodinamiku na otvorenoj pruzi (EN 14067-4:2013)
Railway applications – Aerodynamics – Part 4: Requirements and test procedures for aerodynamics on open track (EN 14067-4:2013)
- zamijenjena s: HRN EN 14067-4:2019

HRN EN 14363:2016 en
Željeznički sustav – Ispitivanje i simulacija za prihvatljivost voznih svojstava željezničkih vozila – Dinamička i statička ispitivanja (EN 14363:2016)
Railway applications – Testing and Simulation for the acceptance of running characteristics of railway vehicles – Running Behaviour and stationary tests (EN 14363:2016)
- zamijenjena s: HRN EN 14363:2019

HRN EN 15595:2011 en
Željeznički sustav – Kočenje – Zaštita od proklizavanja (EN 15595:2009+A1:2011)
Railway applications – Braking – Wheel slide protection (EN 15595:2009+A1:2011)
- zamijenjena s: HRN EN 15595:2019

HRN EN 15663:2017 en
Željeznički sustav – Referentne mase vozila (EN 15663:2017)
Railway applications – Vehicle reference masses (EN 15663:2017)
- zamijenjena s: HRN EN 15663:2019

HZN/TO 531, Plastika i guma

HRN EN ISO 294-2:2004 en
Plastika – Injekcijsko prešani ispiti plastomernih materijala – 2. dio: Male epruvete za rasteznu čvrstoću (ISO 294-2:1996; EN ISO 294-2:1998)
Plastics – Injection moulding of test specimens of thermoplastic materials – Part 2: Small tensile bars (ISO 294-2:1996; EN ISO 294-2:1998)
- zamijenjena s: HRN EN ISO 294-2:2019

HRN EN ISO 294-2:2004/A1:2008 en
Plastika – Injekcijsko prešani ispiti plastomernih materijala – 2. dio: Male epruvete za rasteznu čvrstoću (ISO 294-2:1996/Amd 1:2004; EN ISO 294-2:1998/A1:2005)
Plastics – Injection moulding of test specimens of thermoplastic materials – Part 2: Small tensile bars (ISO 294-2:1996/Amd 1:2004; EN ISO 294-2:1998/A1:2005)
- zamijenjena s: HRN EN ISO 294-2:2019

HRN EN 438-2:2016 en
Visokotlačni dekorativni laminati (HPL) – Ploče na osnovi duromernih smola (uobičajeno se nazivaju laminati) – 2. dio: Određivanje svojstava (EN 438-2:2016)
High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (Usually called Laminates) – Part 2: Determination of properties (EN 438-2:2016)
- zamijenjena s: HRN EN 438-2:2019

HRN EN ISO 527-3:2008 en
Plastika – Određivanje rasteznih svojstava – 3. dio: Ispitni uvjeti za filmove i folije (ISO 527-3:1995+Cor 1:2001; EN ISO 527-3:1995+AC:2002)
Plastics – Determination of tensile properties – Part 3: Test conditions for films and sheets (ISO 527-3:1995+Cor 1:2001; EN ISO 527-3:1995+AC:2002)
- zamijenjena s: HRN EN ISO 527-3:2019

HRN EN 1762:2017 en
Gumena crijeva i crijevni uređaji za ukapljeni naftni plin, LPG (kapljevita ili plinska faza), i prirodni plin do 25 bara (2,5 MPa) – Specifikacija (EN 1762:2017)
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 (EN 1762:2017)
- zamijenjena s: HRN EN 1762:2019

HRN EN ISO 4612:2008 en
Plastika – Priređivanje ispitnih PVC-pasta – Miješanje planetnom miješalicom (ISO 4612:1999; EN ISO 4612:1999)
Plastics – Preparation of PVC pastes for test purposes – Planetary-mixer method (ISO 4612:1999; EN ISO 4612:1999)
- zamijenjena s: HRN EN ISO 4612:2019

HRN EN ISO 11502:2008 en
Plastika – Film i folija – Određivanje otpornosti na blokiranje (ISO 11502:1995; EN ISO 11502:2005)
Plastics – Film and sheeting – Determination of blocking resistance (ISO 11502:1995; EN ISO 11502:2005)
- zamijenjena s: HRN EN ISO 11502:2019

HRN EN 13766:2010 en
Plastomerna, višeslojna, neumrežena crijeva i crijevni pribori za prijenos ukapljenoga naftnog plina i ukapljenoga prirodnog plina – Specifikacija (EN 13766:2010)
Thermoplastic multi-layer (non-vulcanized) hoses and hose assemblies for the transfer of liquid petroleum gas and liquefied natural gas – Specification (EN 13766:2010)
- zamijenjena s: HRN EN 13766:2019

HRN EN ISO 15527:2013 en
Plastika – Tlačno oblikovane ploče od polietilena (PE-UHMW, PE-HD) – Zahtjevi i ispitne metode (ISO 15527:2010; EN ISO 15527:2013)
Plastics – Compression-moulded sheets of polyethylene (PE-UHMW, PE-HD) – Requirements and test methods (ISO 15527:2010; EN ISO 15527:2013)
- zamijenjena s: HRN EN ISO 15527:2019

HZN/TO 532, *Dimnjaci*

HRN EN 16475-3:2016 en

Dimnjaci – Pribor – 3. dio: Regulatori podtlaka, uređaji za zatvaranje i kombinirani sustavi za dovod sekundarnog zraka – Zahtjevi i metode ispitivanja (EN 16475-3:2016)
Chimneys – Accessories – Part 3: Draught regulators, standstill opening devices and combined secondary air devices – Requirements and test methods (EN 16475-3:2016)
- zamijenjena s: HRN EN 16475-3:2019

HZN/TO 533, *Kolničke konstrukcije*

HRN EN 12697-3:2013 en

Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 3. dio: Izdvajanje bitumena: rotacijski otparivač (EN 12697-3:2013)
Bituminous mixtures – Test methods for hot mix asphalt – Part 3: Bitumen recovery: Rotary evaporator (EN 12697-3:2013)
- zamijenjena s: HRN EN 12697-3:2019

HRN EN 12697-5:2009 en

Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 5. dio: Određivanje gustoće asfaltne mješavine (EN 12697-5:2009)
Bituminous mixtures – Test methods for hot mix asphalt – Part 5: Determination of the maximum density (EN 12697-5:2009)
- zamijenjena s: HRN EN 12697-5:2019

HRN EN 12697-8:2003 en

Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 8. dio: Određivanje šupljina u asfaltnim uzorcima (EN 12697-8:2003)
Bituminous mixtures – Test methods for hot mix asphalt – Part 8: Determination of void characteristics of bituminous specimens (EN 12697-8:2003)
- zamijenjena s: HRN EN 12697-8:2019

HRN EN 12697-30:2012 en

Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 30. dio: Priprema uzorka udarnim zbijanjem (EN 12697-30:2012)
Bituminous mixtures – Test methods for hot mix asphalt – Part 30: Specimen preparation by impact compactor (EN 12697-30:2012)
- zamijenjena s: HRN EN 12697-30:2019

HRN EN 13880-8:2004 en

Vruće brtvene mase – 8. dio: Ispitna metoda za određivanje promjene mase nakon uranjanja u gorivo (EN 13880-8:2003)
Hot applied joint sealants – Part 8: Test method for the determination of the change in weight of fuel resistance joint sealants after fuel immersion (EN 13880-8:2003)
- zamijenjena s: HRN EN 13880-8:2019

HZN/TO 534, *Spremnici za teret*

HRN EN 12434:2004 en

Kriogenične posude – Savitljiva crijeva za niske temperature (EN 12434:2000+AC:2001)
Cryogenic vessels – Cryogenic flexible hoses (EN 12434:2000+AC:2001)
- zamijenjena s: HRN EN ISO 21012:2019

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

HRN EN 513:2001 en

Profili od neomekšanog poli(vinil-klorida) (PVC-U) za proizvodnju prozora i vrata – Određivanje otpornosti na umjetno starenje (EN 513:1999)
Unplasticized polyvinylchloride (PVC-U) profiles for the fabrication of windows and doors – Determination of the resistance to artificial weathering (EN 513:1999)
- zamijenjena s: HRN EN 513:2019

HZN/TO 555, *Medicinski proizvodi*

HRN EN 868-5:2010 en

Ambalaža za završno sterilizirane medicinske proizvode – 5. dio: Ljepljive vrećice i svitci od poroznih tvari i izrađeni od plastičnog filma – Zahtjevi i ispitne metode (EN 868-5:2009)
Packaging for terminally sterilized medical devices – Part 5: Sealable pouches and reels of porous materials and plastic film construction – Requirements and test methods (EN 868-5:2009)
- zamijenjena s: HRN EN 868-5:2019

HRN EN 868-8:2010 en

Ambalaža za završno sterilizirane medicinske proizvode – 8. dio: Spremnici za višestruku primjenu u sterilizaciji za parne sterilizatore prema normi EN 285 – Zahtjevi i ispitne metode (EN 868-8:2009)
Packaging for terminally sterilized medical devices – Part 8: Re-usable sterilization containers for steam sterilizers conforming to EN 285 – Requirements and test methods (EN 868-8:2009)
- zamijenjena s: HRN EN 868-8:2019

HRN EN 868-9:2010 en

Ambalaža za završno sterilizirane medicinske proizvode – 9. dio: Neobloženi, nevuneni materijali od poliolefina – Zahtjevi i ispitne metode (EN 868-9:2009)
Packaging for terminally sterilized medical devices – Part 9: Uncoated nonwoven materials of polyolefines – Requirements and test methods (EN 868-9:2009)
- zamijenjena s: HRN EN 868-9:2019

HRN EN 868-10:2010 en

Ambalaža za završno sterilizirane medicinske proizvode – 10. dio: Ljepljivo obloženi, nevuneni materijali od poliolefina – Zahtjevi i ispitne metode (EN 868-10:2009)
Packaging for terminally sterilized medical devices – Part 10: Adhesive coated nonwoven materials of polyolefines – Requirements and test methods (EN 868-10:2009)
- zamijenjena s: HRN EN 868-10:2019

HRN EN ISO 15883-4:2010 en

Uređaji za pranje i dezinfekciju – 4. dio: Zahtjevi i ispitivanja za uređaje za pranje i dezinfekciju u termičkoj dezinfekciji termolabilnih endoskopa (ISO 15883-4:2008; EN ISO 15883-4:2009)
Washer-disinfectors – Part 4: Requirements and tests for washer-disinfectors employing chemical disinfection for thermolabile endoscopes (ISO 15883-4:2008; EN ISO 15883-4:2009)
- zamijenjena s: HRN EN ISO 15883-4:2019

HRS CEN/TS 16826-1:2015 en

Molekularne in vitro dijagnostičke pretrage – Specifikacije za prethodne ispitne postupke za smrznuto tkivo – 1. dio: Izolirana RNK (CEN/TS 16826-1:2015)
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for snap frozen tissue – Part 1: Isolated RNA (CEN/TS 16826-1:2015)
- zamijenjena s: HRN EN ISO 20184-1:2019

HRS CEN/TS 16827-1:2015 en

Molekularne in vitro dijagnostičke pretrage – Specifikacije za prethodne ispitne postupke za tkivo fiksirano formalinom i uronjeno u parafin (FFPE) – 1. dio: Izolirana RNK (CEN/TS 16827-1:2015)
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for FFPE tissue – Part 1: Isolated RNA (CEN/TS 16827-1:2015)
- zamijenjena s: HRN EN ISO 20166-1:2019

HRS CEN/TS 16827-2:2015 en

Molekularne in vitro dijagnostičke pretrage – Specifikacije za prethodne ispitne postupke za tkivo fiksirano formalinom i uronjeno u parafin (FFPE) – 2. dio: Izolirani proteini (CEN/TS 16827-2:2015)
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for FFPE tissue – Part 2: Isolated proteins (CEN/TS 16827-2:2015)
- zamijenjena s: HRN EN ISO 20166-2:2019

HZN/TO 557, *Zaštitna odjeća*

HRN EN 388:2016 en

Rukavice za zaštitu od mehaničkih rizika (EN 388:2016)
Protective gloves against mechanical risks (EN 388:2016)
- zamijenjena s: HRN EN 388:2019

HRN EN 16523-2:2015 en

Određivanje otpornosti materijala na upijanje kemikalija – 2. dio: Upijanje plinovitih kemikalija u uvjetima stalnog dodira (EN 16523-2:2015)
Determination of material resistance to permeation by chemicals – Part 2: Permeation by gaseous chemical under conditions of continuous contact (EN 16523-2:2015)
- zamijenjena s: HRN EN 16523-2:2019

HZN/TO 571, Sport, igrališta i ostali rekreacijski sadržaji i oprema

HRN EN 959:2008 en
Planinarska oprema – Stijenska sidra – Sigurnosni zahtjevi i metode ispitivanja (EN 959:2007)
Mountaineering equipment – Rock anchors – Safety requirements and test methods (EN 959:2007)
- zamijenjena s: HRN EN 959:2019

HRN EN 12277:2015 en
Planinarska oprema – Penjački pojasi – Sigurnosni zahtjevi i metode ispitivanja (EN 12277:2015)
Mountaineering equipment – Harnesses – Safety requirements and test methods (EN 12277:2015)
- zamijenjena s: HRN EN 12277:2019

HZN/TO 577, Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša

HRS CEN/TS 16190:2012 en
Muljevi, obrađeni biootpad i tlo – Određivanje dioksina i furana i dioksinu sličnih polikloriranih bifenila plinskom kromatografijom s visoko rezolucijskom detekcijom masenim spektrometrom (HR GC-MS) (CEN/TS 16190:2012)
Sludge, treated biowaste and soil – Determination of dioxins and furans and dioxin-like polychlorinated biphenyls by gas chromatography with high resolution mass selective detection (HR GC-MS) (CEN/TS 16190:2012)
- zamijenjena s: HRN EN 16190:2019

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN 60601-1-11:2011 en
Medicinski električni uređaji – Dio 1-11: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za medicinske električne uređaje i opremu uporabljene u okolini kućne zdravstvene njege (IEC 60601-1-11: 2010; EN 60601-1-11:2010)
Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment (IEC 60601-1-11: 2010; EN 60601-1-11:2010)
- zamijenjena s: HRN EN 60601-1-11:2015

HRN EN 60601-1-1:2003 en
Medicinska električna oprema – Dio 1-1: Opći zahtjevi za sigurnost – Popratna norma: Sigurnosni zahtjevi za medicinske električne sustave (IEC 60601-1-1:2000; EN 60601-1-1:2001)
Medical electrical equipment – Part 1-1: General requirements for safety – Collateral standard: Safety requirements for medical electrical systems (IEC 60601-1-1:2000; EN 60601-1-1:2001)
- zamijenjena s: HRN EN 60601-1:2008

HRN EN 60601-1:1999/Ispr.1:2014 en
Medicinski električni uređaji – 1. dio: Opći sigurnosni zahtjevi (EN 60601-1:1990/A1:1993/AC:1994)
Medical electrical equipment – Part 1: General requirements for safety (EN 60601-1:1990/A1:1993/AC:1994)
- zamijenjena s: HRN EN 60601-1:2008

HRN EN 60601-1:1999/Ispr.2:2016 en
Medicinski električni uređaji – 1. dio: Opći sigurnosni zahtjevi (EN 60601-1:1990/AC:1994)
Medical electrical equipment – Part 1: General requirements for safety (EN 60601-1:1990/AC:1994)
- bez zamjene

HRN EN 60601-1-2:2008 en
Medicinska električna oprema – Dio 1-2: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Elektromagnetska kompatibilnost – Zahtjevi i ispitivanja (IEC 60601-1-2:2007, MOD; EN 60601-1-2:2007)
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests (IEC 60601-1-2:2007, MOD; EN 60601-1-2:2007)
- zamijenjena s: HRN EN 60601-1-2:2015

HRN EN 60601-1-2:2008/Ispr.1:2011 en
Medicinska električna oprema – Dio 1-2: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Elektromagnetska kompatibilnost – Zahtjevi i ispitivanja (EN 60601-1-2:2007/AC:2010)
Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests (EN 60601-1-2:2007/AC:2010)
- zamijenjena s: HRN EN 60601-1-2:2015

HRN EN 60601-1-4:1999 en
Medicinski električni uređaji – 1. dio: Opći sigurnosni zahtjevi – 4: Popratna norma: Električni medicinski sustavi koji se mogu programirati (IEC 60601-1-4:1996; EN 60601-1-4:1996)
Medical electrical equipment – Part 1: General requirements for safety – 4. Collateral standard: Programmable electrical medical systems (IEC 60601-1-4:1996; EN 60601-1-4:1996)
- zamijenjena s: HRN EN 60601-1:2008

HRN EN 60601-1-4:1999/A1:2003 en
Medicinska električna oprema – Dio 1-4: Opći zahtjevi za sigurnost – Popratna norma: Programabilni elektromedicinski sustavi (IEC 60601-1-4:1996/am1:1999; EN 60601-1-4:1996/A1:1999)
Medical electrical equipment – Part 1-4: General requirements for safety – Collateral standard: Programmable electrical medical systems (IEC 60601-1-4:1996/am1:1999; EN 60601-1-4:1996/A1:1999)
- zamijenjena s: HRN EN 60601-1:2008

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

HRN EN 61918:2008 en
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:2007, MOD; EN 61918:2008)
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:2007, MOD; EN 61918:2008)
- zamijenjena s: HRN EN 61918:2014

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

HRN EN 994:2013 en
Tekstilne podne obloge – Određivanje duljine stranica, pravokutnosti i ravnoće rubova ploča (EN 994:2012)
Textile floor coverings – Determination of the side length, squareness and straightness of tiles (EN 994:2012)
- zamijenjena s: HRN EN ISO 24342:2019

HRN EN 1081:2004 en
Elastične podne obloge – Određivanje električne otpornosti (EN 1081:1998)
Resilient floor coverings – Determination of the electrical resistance (EN 1081:1998)
- zamijenjena s: HRN EN 1081:2019

HRN EN 1307:2018 en
Tekstilne podne obloge – Razredba (EN 1307:2014+A2:2018)
Textile floor coverings – Classification (EN 1307:2014+A2:2018)
- zamijenjena s: HRN EN 1307:2019

HRN EN 12104:2004 en
Elastične podne obloge – Plutene podne ploče – Specifikacija (EN 12104:2000)
Resilient floor coverings – Cork floor tiles – Specification (EN 12104:2000)
- zamijenjena s: HRN EN 12104:2019

HRN EN ISO 24342:2013 en
Elastične i tekstilne podne obloge – Određivanje duljine strana, ravnoće rubova i pravokutnosti ploča (ISO 24342:2007+Amd 1:2012; EN ISO 24342:2012+A1:2012)
Resilient and textile floor coverings – Determination of side length, edge, straightness and squareness of tiles (ISO 24342:2007+Amd 1:2012; EN ISO 24342:2012+A1:2012)
- zamijenjena s: HRN EN ISO 24342:2019

HZN/TU B1, *Graditeljstvo 1*

HRS CEN/TS 17197:2018 en

Građevni proizvodi – Procjena otpuštanja opasnih tvari – Analiza anorganskih tvari u produktima digestije i eluatima – 1. dio: Analiza optičkom emisijskom spektrometrijom s induktivno spregnutom plazmom (ICP-OES) (CEN/TS 17197:2018)
Construction products – Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Part 1: Analysis by Inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES) (CEN/TS 17197:2018)
- zamijenjena s: HRS CEN/TS 17197:2019

HRS CEN/TS 17200:2018 en

Građevni proizvodi: Procjena otpuštanja opasnih tvari – Analiza makroelemenata, mikroelemenata i elemenata u tragovima u produktima digestije i eluatima spektrometrijom masa s induktivno spregnutom plazmom (ICP-MS) (CEN/TS 17200:2018)
Construction products: Assessment of release of dangerous substances – Analysis of inorganic substances in digests and eluates – Analysis by Inductively Coupled Plasma – Mass Spectrometry (ICP-MS) (CEN/TS 17200:2018)
- zamijenjena s: HRS CEN/TS 17200:2019

HRS CEN/TS 17201:2018 en

Građevni proizvodi – Procjena otpuštanja opasnih tvari – Sadržaj anorganskih tvari – Metode analize produkata digestije zlatotopkom (CEN/TS 17201:2018)
Construction products – Assessment of release of dangerous substances – Analysis of content of inorganic substances (CEN/TS 17201:2018)
- zamijenjena s: HRS CEN/TS 17201:2019

HZN/TU I2, *Strojarstvo 2*

HRN EN ISO 21183-2:2008 en,fr

Light conveyor belts – Part 2: List of equivalent terms (ISO 21183-2:2005; EN ISO 21183-2:2006)
- zamijenjena s: HRN EN ISO 21183-2:2019

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

HRN EN 2267-010:2017 en

Zrakoplovstvo – Kabeli, električni, opće namjene – Radna temperatura između -55 °C i 260 °C – Dio 010: DR porodica, za ispis UV laserskim pišaćem – Norma za proizvod (EN 2267-010:2017)
Aerospace series – Cables, electrical, for general purpose – Operating temperatures between -55 °C and 260 °C – Part 010: DR family, single UV laser printable – Product standard (EN 2267-010:2017)
- zamijenjena s: HRN EN 2267-010:2019

HRN EN 3745-411:2008 en

Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 411. dio: Otpornost na fluide (EN 3745-411:2007)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 411: Resistance to fluids (EN 3745-411:2007)
- zamijenjena s: HRN EN 3745-411:2019

HRN EN 3745-506:2011 en

Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 506. dio: Otpornost na udar (EN 3745-506:2009)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 506: Impact resistance (EN 3745-506:2009)
- zamijenjena s: HRN EN 3745-506:2019

HRN EN 4165-026:2015 en

Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 026: Oprema za samostalne module – Norma za proizvod (EN 4165-026:2015)
Aerospace series – Connector, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 026: Accessories for single module connector – Product standard (EN 4165-026:2015)
- zamijenjena s: HRN EN 4165-026:2019

HRN EN 4611-003:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – 003. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruki ekstrudirani zid za zatvorenu primjenu – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4611-003:2012)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for enclosed applications – UV laser printable – Product standard (EN 4611-003:2012)
- zamijenjena s: HRN EN 4611-003:2019

HRN EN 4611-004:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – 004. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Dvostruki ekstrudirani zid za upotrebu na otvorenu – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4611-004:2012)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 004: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Dual extruded wall for open applications – UV laser printable – Product standard (EN 4611-004:2012)
- zamijenjena s: HRN EN 4611-004:2019

HRN EN 4726:2015 en

Zrakoplovstvo – Prihvaćanje neznatnih odstupanja u izgledu dijelova kabine zrakoplova (EN 4726:2015)
Aerospace series – Acceptance of the cosmetic variations in appearance of aircraft cabin parts (EN 4726:2015)
- zamijenjena s: HRN EN 4726:2019

HZN/TU V1, *Elektronika 1*

HRN EN 60401-3:2008 en

Terms and nomenclature for cores made of magnetically soft ferrites – Part 3: Guidelines on the format of data appearing in manufacturers' catalogues of transformer and inductor cores (IEC 60401-3:2003; EN 60401-3:2003)
- zamijenjena s: HRN EN 60401-3:2016

HRN EN 60424-1:2008 en

Ferrite cores – Guide on the limits of surface irregularities – Part 1: General specification (IEC 60424-1:1999; EN 60424-1:1999)
- zamijenjena s: HRN EN 60424-1:2016

HRN EN 60424-2:2008 en

Guidance of the limits of surface irregularities of ferrite cores – Part 2: RM-cores (IEC 60424-2:1997; EN 60424-2:1997)
- zamijenjena s: HRN EN 60424-2:2016

HRN EN 60424-4:2008 en

Ferrite cores – Guide on the limits of surface irregularities – Part 4: Ring cores (IEC 60424-4:2001; EN 60424-4:2001)
- zamijenjena s: HRN EN 60424-4:2016

HRN EN 60793-2-10:2012 en

Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres (IEC 60793-2-10:2011; EN 60793-2-10:2011)
- zamijenjena s: HRN EN 60793-2-10:2016

HRN EN 60793-2-20:2009 en

Optical fibres – Part 2-20: Product specifications – Sectional specification for category A2 multimode fibres (IEC 60793-2-20:2007; EN 60793-2-20:2009)
- zamijenjena s: HRN EN 60793-2-20:2016

HRN EN 60793-2-40:2012 en

Optical fibres – Part 2-40: Product specifications – Sectional specification for category A4 multimode fibres (IEC 60793-2-40:2009; EN 60793-2-40:2011)
- zamijenjena s: HRN EN 60793-2-40:2016

HRN EN 60793-2-50:2014 en

Optička vlakna – Dio 2-50: Specifikacije proizvoda – Sekcijska specifikacija za vlakna razreda B za jedan način rada (IEC 60793-2-50:2012+Corr.1:2014; EN 60793-2-50:2013)
Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres (IEC 60793-2-50:2012+Corr.1:2014; EN 60793-2-50:2013)
- zamijenjena s: HRN EN 60793-2-50:2016

- HRN EN 60794-1-1:2012 en
Optical fibre cables – Part 1-1: Generic specification – General (IEC 60794-1-1:2011+Corr.1:2012; EN 60794-1-1:2011)
- zamijenjena s: HRN EN 60794-1-1:2016
- HRN EN 60794-3-21:2008 en
Optical fibre cables – Part 3-21: Outdoor cables – Detailed specification for optical self-supporting aerial telecommunication cables for use in premises cabling (IEC 60794-3-21:2005; EN 60794-3-21:2006)
- zamijenjena s: HRN EN 60794-3-21:2016
- HRN EN 61185:2008 en
Ferrite cores (ETD-cores) intended for use in power supply applications – Dimensions (IEC 61185:2005; EN 61185:2005)
- zamijenjena s: HRN EN 62317-6:2016
- HRN EN 61300-3-21:2008 en
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-21: Examinations and measurements – Switching time and bounce time (IEC 61300-3-21:1998; EN 61300-3-21:1998)
- zamijenjena s: HRN EN 61300-3-21:2016

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.

HZN/TO 22, Cestovna vozila

- **umjesto**
HRN ISO 5775-2:2017
Gume i naplatci za bicikle – 2. dio: Naplatci (ISO 5775-2:2015)
Bicycle tyres and rims – Part 2: Rims (ISO 5775-2:2015)
- **treba biti**
HRN ISO 5775-2:2017
Gume i naplatci za bicikle – 2. dio: Naplatci (ISO 5775-2:2015, **ispravljena verzija 2016-12-01**)
Bicycle tyres and rims – Part 2: Rims (ISO 5775-2:2015, **Corrected version 2016-12-01**)
- **umjesto**
HRN ISO 20562:2015
Ventili za gume – ISO provrti za igle ventila br. 1, br. 2, br. 3 i br. 4 (ISO 20562:2014)
Tyre valves – ISO core chambers No. 1, No. 2, No. 3 and No. 4 (ISO 20562:2014)
- **treba biti**
HRN ISO 20562:2015
Ventili za gume – ISO provrti za igle ventila br. 1, br. 2, br. 3 i br. 4 (ISO 20562:2014, **ispravljena verzija 2014-06-15**)
Tyre valves – ISO core chambers No. 1, No. 2, No. 3 and No. 4 (ISO 20562:2014, **Corrected version 2014-06-15**)

HZN/TO 28, Naftni proizvodi i maziva

- **umjesto**
HRN ISO 11158:2011
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred H (hidraulički sustavi) – Specifikacije za kategorije HH, HL, HM, HV i HG (ISO 11158:2009)
Lubricants, industrial oils and related products (class L) – Family H (hydraulic systems) – Specifications for categories HH, HL, HM, HV and HG (ISO 11158:2009)
- **treba biti**
HRN ISO 11158:2011
Maziva, industrijska ulja i srodni proizvodi (razred L) – Podrazred H (hidraulički sustavi) – Specifikacije za kategorije HH, HL, HM, HV i HG (ISO 11158:2009, **ispravljena verzija 2009-11**)
Lubricants, industrial oils and related products (class L) – Family H (hydraulic systems) – Specifications for categories HH, HL, HM, HV and HG (ISO 11158:2009, **Corrected version 2009-11**)

HZN/TO 44, Zavarivanje i srodni postupci

- **umjesto**
HRN EN ISO 3581:2016
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode za ručno elektrolučno zavarivanje nehrđajućih i vatrootpornih čelika – Razredba (ISO 3581:2016; EN ISO 3581:2016)
Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification (ISO 3581:2016; EN ISO 3581:2016)
- **treba biti**
HRN EN ISO 3581:2016
Dodatni i potrošni materijali za zavarivanje – Obložene elektrode za ručno elektrolučno zavarivanje nehrđajućih i vatrootpornih čelika – Razredba (ISO 3581:2016, **ispravljena verzija 2017-11-01**; EN ISO 3581:2016)
Welding consumables – Covered electrodes for manual metal arc welding of stainless and heat-resisting steels – Classification (ISO 3581:2016, **Corrected version 2017-11-01**; EN ISO 3581:2016)
- **umjesto**
HRN EN ISO 14272:2016
Elektrootporno zavarivanje – Razorno ispitivanje zavarenih spojeva – Dimenzije uzoraka i postupak poprečnog vlačnog ispitivanja točkastih i utisnutih bradavičastih elektrootporno zavarenih spojeva (ISO 14272:2016; EN ISO 14272:2016)
Resistance welding – Destructive testing of welds – Specimen dimensions and procedure for cross tension testing of resistance spot and embossed projection welds (ISO 14272:2016; EN ISO 14272:2016)
- **treba biti**
HRN EN ISO 14272:2016
Elektrootporno zavarivanje – Razorno ispitivanje zavarenih spojeva – Dimenzije uzoraka i postupak poprečnog vlačnog ispitivanja točkastih i utisnutih bradavičastih elektrootporno zavarenih spojeva (ISO 14272:2016, **ispravljena verzija 2016-09-01**; EN ISO 14272:2016)
Resistance welding – Destructive testing of welds – Specimen dimensions and procedure for cross tension testing of resistance spot and embossed projection welds (ISO 14272:2016, **Corrected version 2016-09-01**; EN ISO 14272:2016)
- **umjesto**
HRN EN ISO 15609-5:2011
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 5. dio: Elektrootporno zavarivanje (ISO 15609-5:2011; EN ISO 15609-5:2011)
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 5: Resistance welding (ISO 15609-5:2011; EN ISO 15609-5:2011)
- **treba biti**
HRN EN ISO 15609-5:2011
Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Specifikacija postupka zavarivanja – 5. dio: Elektrootporno zavarivanje (ISO 15609-5:2011, **ispravljena verzija 2011-12-01**; EN ISO 15609-5:2011)
Specification and qualification of welding procedures for metallic materials – Welding procedure specification – Part 5: Resistance welding (ISO 15609-5:2011, **Corrected version 2011-12-01**; EN ISO 15609-5:2011)

- **umjesto**

HRN EN ISO 15614-1:2017

Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 1. dio: Elektrolučno i plinsko zavarivanje čelika i elektrolučno zavarivanje nikla i legura nikla (ISO 15614-1:2017; EN ISO 15614-1:2017)
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017; EN ISO 15614-1:2017)

- **treba biti**

HRN EN ISO 15614-1:2017

Specifikacija i kvalifikacija postupaka zavarivanja za metalne materijale – Ispitivanje postupka zavarivanja – 1. dio: Elektrolučno i plinsko zavarivanje čelika i elektrolučno zavarivanje nikla i legura nikla (ISO 15614-1:2017, **ispravljena verzija 2017-10-01**; EN ISO 15614-1:2017)
Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (ISO 15614-1:2017, **Corrected version 2017-10-01**; EN ISO 15614-1:2017)

HZN/TO 69, *Primjena statističkih metoda*

- **umjesto**

HRN ISO 13528:2017

Statističke metode pri ispitivanju sposobnosti putem međulaboratorijske usporedbe (ISO 13528:2015)
Statistical methods for use in proficiency testing by interlaboratory comparison (ISO 13528:2015)

- **treba biti**

HRN ISO 13528:2017

Statističke metode pri ispitivanju sposobnosti putem međulaboratorijske usporedbe (ISO 13528:2015, **ispravljena verzija 2016-10-15**)
Statistical methods for use in proficiency testing by interlaboratory comparison (ISO 13528:2015, **Corrected version 2016-10-15**)

HZN/TO 130, *Grafička tehnologija*

- **umjesto**

HRN ISO 12647-3:2014

Grafička tehnologija – Kontrola postupaka za kontrolu rasterskih izvadaka, probnog i proizvodnog otiska – 3. dio: Novinski ofsetni tisak (ISO 12647-3:2013)
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 3: Coldset offset lithography on newsprint (ISO 12647-3:2013)

- **treba biti**

HRN ISO 12647-3:2014

Grafička tehnologija – Kontrola postupaka za kontrolu rasterskih izvadaka, probnog i proizvodnog otiska – 3. dio: Novinski ofsetni tisak (ISO 12647-3:2013, **ispravljena verzija 2014-02-15**)
Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 3: Coldset offset lithography on newsprint (ISO 12647-3:2013, **Corrected version 2014-02-15**)

HZN/TO 135, *Nerazorna ispitivanja*

- **umjesto**

HRN EN ISO 3452-1:2013

Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (ISO 3452-1:2013; EN ISO 3452-1:2013)
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2013; EN ISO 3452-1:2013)

- **treba biti**

HRN EN ISO 3452-1:2013

Nerazorno ispitivanje – Ispitivanje penetrantima – 1. dio: Opća načela (ISO 3452-1:2013, **ispravljena verzija 2014-05-01**; EN ISO 3452-1:2013)
Non-destructive testing – Penetrant testing – Part 1: General principles (ISO 3452-1:2013, **Corrected version 2014-05-01**; EN ISO 3452-1:2013)

HZN/TO 145, *Grafički simboli*

- **umjesto**

HRN ISO 3864-3:2014

Grafički simboli – Boje i znakovi sigurnosti – 3. dio: Načela oblikovanja grafičkih simbola za uporabu na znakovima sigurnosti (ISO 3864-3:2012)
Graphical symbols – Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs (ISO 3864-3:2012)

- **treba biti**

HRN ISO 3864-3:2014

Grafički simboli – Boje i znakovi sigurnosti – 3. dio: Načela oblikovanja grafičkih simbola za uporabu na znakovima sigurnosti (ISO 3864-3:2012, **ispravljena verzija 2012-06-15**)
Graphical symbols – Safety colours and safety signs – Part 3: Design principles for graphical symbols for use in safety signs (ISO 3864-3:2012, **Corrected version 2012-06-15**)

HZN/TO 182, *Geotehničke konstrukcije*

- **umjesto**

HRN EN ISO 17892-3:2016

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 3. dio: Određivanje gustoće čvrstih čestica (ISO 17892-3:2015; EN ISO 17892-3:2015)
Geotechnical investigation and testing – Laboratory testing of soil – Part 3: Determination of particle density (ISO 17892-3:2015; EN ISO 17892-3:2015)

- **treba biti**

HRN EN ISO 17892-3:2016

Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 3. dio: Određivanje gustoće čvrstih čestica (ISO 17892-3:2015, **ispravljena verzija 2015-12-15**; EN ISO 17892-3:2015)
Geotechnical investigation and testing – Laboratory testing of soil – Part 3: Determination of particle density (ISO 17892-3:2015, **Corrected version 2015-12-15**; EN ISO 17892-3:2015)

HZN/TO 503, *Metalni materijali*

- **umjesto**

HRN EN ISO 8434-1:2018

Metalni cijevni priključci za upotrebu u hidraulici i pneumatici te za opću namjenu – 1. dio: 24° stožasti priključci (ISO 8434-1:2018; EN ISO 8434-1:2018)
Metallic tube connections for fluid power and general use – Part 1: 24° cone connectors (ISO 8434-1:2018; EN ISO 8434-1:2018)

- **treba biti**

HRN EN ISO 8434-1:2018

Metalni cijevni priključci za upotrebu u hidraulici i pneumatici te za opću namjenu – 1. dio: 24° stožasti priključci (ISO 8434-1:2018, **ispravljena verzija 2018-10**; EN ISO 8434-1:2018)
Metallic tube connections for fluid power and general use – Part 1: 24° cone connectors (ISO 8434-1:2018, **Corrected version 2018-10**; EN ISO 8434-1:2018)

- **umjesto**

HRN EN ISO 10113:2014

Metalni materijali – Lim i traka – Određivanje faktora plastične anizotropije (ISO 10113:2006; EN ISO 10113:2014)
Metallic materials – Sheet and strip – Determination of plastic strain ratio (ISO 10113:2006; EN ISO 10113:2014)

- **treba biti**

HRN EN ISO 10113:2014

Metalni materijali – Lim i traka – Određivanje faktora plastične anizotropije (ISO 10113:2006, **ispravljena verzija 2007-08-01**; EN ISO 10113:2014)
Metallic materials – Sheet and strip – Determination of plastic strain ratio (ISO 10113:2006, **Corrected version 2007-08-01**; EN ISO 10113:2014)

HZN/TO 504, Korozija i zaštita metala i legura

- **umjesto**

HRN EN ISO 7539-6:2018

Korozija metala i legura – Ispitivanje korozije uz naprezanje – 6. dio: Priprema i primjena uzoraka s urezom za ispitivanja pod stalnim opterećenjem ili stalnim pomakom (ISO 7539-6:2018; EN ISO 7539-6:2018)
Corrosion of metals and alloys – Stress corrosion testing – Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement (ISO 7539-6:2018; EN ISO 7539-6:2018)

- **treba biti**

HRN EN ISO 7539-6:2018

Korozija metala i legura – Ispitivanje korozije uz naprezanje – 6. dio: Priprema i primjena uzoraka s urezom za ispitivanja pod stalnim opterećenjem ili stalnim pomakom (ISO 7539-6:2018, **ispravljena verzija 2018-11**; EN ISO 7539-6:2018)
Corrosion of metals and alloys – Stress corrosion testing – Part 6: Preparation and use of precracked specimens for tests under constant load or constant displacement (ISO 7539-6:2018, **Corrected version 2018-11**; EN ISO 7539-6:2018)

HZN/TO 521, Usluge održavanja

- **umjesto**

HRN ISO 55000:2016

Upravljanje imovinom – Pregled, načela i nazivlje (ISO 55000:2014)
Asset management – Overview, principles and terminology (ISO 55000:2014)

- **treba biti**

HRN ISO 55000:2016

Upravljanje imovinom – Pregled, načela i nazivlje (ISO 55000:2014, **ispravljena verzija 2014-03-15**)
Asset management – Overview, principles and terminology (ISO 55000:2014, **Corrected version 2014-03-15**)

HZN/TO 531, Plastika i guma

- **umjesto**

HRN EN ISO 13802:2015

Plastika – Provjera uređaja za mjerenje radnje loma – Određivanje savojne žilavosti po Charpyju i Izodu te rastezne žilavosti (ISO 13802:2015; EN ISO 13802:2015)
Plastics – Verification of pendulum impact-testing machines – Charpy, Izod and tensile impact-testing (ISO 13802:2015; EN ISO 13802:2015)

- **treba biti**

HRN EN ISO 13802:2015

Plastika – Provjera uređaja za mjerenje radnje loma – Određivanje savojne žilavosti po Charpyju i Izodu te rastezne žilavosti (ISO 13802:2015, **ispravljena verzija 2016-04-01**; EN ISO 13802:2015)
Plastics – Verification of pendulum impact-testing machines – Charpy, Izod and tensile impact-testing (ISO 13802:2015, **Corrected version 2016-04-01**; EN ISO 13802:2015)

HZN/TO 562, Alatni strojevi i alati

- **umjesto**

HRN EN ISO 23125:2015

Alatni strojevi – Sigurnost – Tokarilice (ISO 23125:2015; EN ISO 23125:2015)
Machine tools – Safety – Turning machines (ISO 23125:2015; EN ISO 23125:2015)

- **treba biti**

HRN EN ISO 23125:2015

Alatni strojevi – Sigurnost – Tokarilice (ISO 23125:2015, **ispravljena verzija 2016-03-15**; EN ISO 23125:2015)
Machine tools – Safety – Turning machines (ISO 23125:2015, **Corrected version 2016-03-15**; EN ISO 23125:2015)

HZN/TO 577, Metode ispitivanja za karakterizaciju krutih i tekućih sastavnica i opterećenja okoliša

- **umjesto**

HRS CEN ISO/TS 29843-2:2014

Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 2. dio: Analiza masnih kiselina u fosfolipidima (PLFA) primjenom jednostavne metode ekstrakcije PLFA (ISO/TS 29843-2:2011; CEN ISO/TS 29843-2:2014)
Soil quality – Determination of soil microbial diversity – Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method (ISO/TS 29843-2:2011; CEN ISO/TS 29843-2:2014)

- **treba biti**

HRS CEN ISO/TS 29843-2:2014

Kvaliteta tla – Određivanje mikrobne raznolikosti tla – 2. dio: Analiza masnih kiselina u fosfolipidima (PLFA) primjenom jednostavne metode ekstrakcije PLFA (ISO/TS 29843-2:2011, **ispravljena verzija 2012-02-01**; CEN ISO/TS 29843-2:2014)
Soil quality – Determination of soil microbial diversity – Part 2: Method by phospholipid fatty acid analysis (PLFA) using the simple PLFA extraction method (ISO/TS 29843-2:2011, **Corrected version 2012-02-01**; CEN ISO/TS 29843-2:2014)

HZN/TU I1, Strojarstvo 1

- **umjesto**

HRN EN ISO 8528-13:2016

Izmjenični generator pogonjen klipnim motorom s unutrašnjim izgaranjem – 13. dio: Sigurnost (ISO 8528-13:2016; EN ISO 8528-13:2016)
Reciprocating internal combustion engine driven alternating current generating sets – Part 13: Safety (ISO 8528-13:2016; EN ISO 8528-13:2016)

- **treba biti**

HRN EN ISO 8528-13:2016

Izmjenični generator pogonjen klipnim motorom s unutrašnjim izgaranjem – 13. dio: Sigurnost (ISO 8528-13:2016, **ispravljena verzija 2016-10-15**; EN ISO 8528-13:2016)
Reciprocating internal combustion engine driven alternating current generating sets – Part 13: Safety (ISO 8528-13:2016, **Corrected version 2016-10-15**; EN ISO 8528-13:2016)

HZN/TU I2, Strojarstvo 2

- **umjesto**

HRN EN ISO 18589-3:2017

Mjerenje radioaktivnosti u okolišu – Tlo – 3. dio: Metoda ispitivanja radionuklida koji emitiraju gama zračenje primjenom gama spektrometrije (ISO 18589-3:2015; EN ISO 18589-3:2017)
Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2015; EN ISO 18589-3:2017)

- **treba biti**

HRN EN ISO 18589-3:2017

Mjerenje radioaktivnosti u okolišu – Tlo – 3. dio: Metoda ispitivanja radionuklida koji emitiraju gama zračenje primjenom gama spektrometrije (ISO 18589-3:2015, **ispravljena verzija 2015-12-01**; EN ISO 18589-3:2017)
Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2015, **Corrected version 2015-12-01**; EN ISO 18589-3:2017)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljuju njihovi naslovi na hrvatskome jeziku, koji nisu nužno uključeni u norme koje su prethodno objavljene. Obavijest o naslovima na hrvatskome jeziku smatra se službenom informacijom.

HZN/ TO 550, *Opskrba vodom*

HRN EN 15664-2:2011 en pr
Utjecaj metalnih materijala na vodu namijenjenu ljudskoj potrošnji – Stanica za dinamičko ispitivanje procjene otpuštanja metala – 2. dio: Vode za ispitivanje (EN 15664-2:2010)
Influence of metallic materials on water intended for human consumption – Dynamic rig test for assessment of metal release – Part 2: Test waters (EN 15664-2:2010)

HRN EN 15795:2010 en pr
Proizvodi koji se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Prirodni neekspandirani aluminosilikati (EN 15795:2010)
Products used for treatment of water intended for human consumption – Natural unexpanded aluminosilicates (EN 15795:2010)

HRN EN 15848:2010 en pr
Oprema za pripremu vode u zgradama – Podesivi sustavi za doziranje kemikalija – Zahtjevi za izvedbu, sigurnost i ispitivanje (EN 15848:2010)
Water conditioning equipment inside buildings – Adjustable chemical dosing systems – Requirements for performance, safety and testing (EN 15848:2010)

HRN EN 16145:2013 en pr
Sanitarne armature – Izvlačni priključci za armature sudopera i umivaonika – Opća tehnička specifikacija (EN 16145:2012)
Sanitary tapware – Extractable outlets for sink and basin mixers – General technical specification (EN 16145:2012)

HRN EN 17093:2018 en pr
Kućanski uređaji za obradu vode za piće koji nisu priključeni na vodoopskrbni sustav – Vrčevi s filtrima za vodu – Zahtjevi za sigurnost i radna svojstva, označivanje i prateće informacije (EN 17093:2018)
Domestic appliances used for drinking water treatment not connected to water supply – Jug water filter systems – Safety and performance requirements, labeling and information to be supplied (EN 17093:2018)

HZN/ TU I2, *Strojarstvo 2*

HRN EN ISO 18589-2:2017 en pr
Mjerenje radioaktivnosti u okolišu – Tlo – 2. dio: Smjernice za odabir strategije uzorkovanja, uzorkovanje i prethodna obrada uzoraka (ISO 18589-2:2015; EN ISO 18589-2:2017)
Measurement of radioactivity in the environment – Soil – Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2015; EN ISO 18589-2:2017)

HRN EN ISO 18589-7:2016 en pr
Mjerenje radioaktivnosti u okolišu – Tlo – 7. dio: In situ mjerenje radionuklida koji emitiraju gama zračenje (ISO 18589-7:2013; EN ISO 18589-7:2016)
Measurement of radioactivity in the environment – Soil – Part 7: In situ measurement of gamma-emitting radionuclides (ISO 18589-7:2013; EN ISO 18589-7:2016)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 172, *Optika i optički instrumenti*

Sljedeće hrvatske norme objavljene na engleskome jeziku sada su dostupne i na hrvatskome jeziku:

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

HRN EN 14139:2011 hr-en pr-pp
Oftalmološka optika – Specifikacije za gotove naočale (EN 14139:2010)
Ophthalmic optics – Specifications for ready-to-wear spectacles (EN 14139:2010)

HZN/TO Z2, *Ocjenjivanje sukladnosti i akreditacija*

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome i engleskome jeziku, kao dvojezično izdanje:

HRN EN ISO/IEC 17025:2017 hr,en-en pr-pp
Opći zahtjevi za osposobljenost ispitnih i umjernih laboratorija (ISO/IEC 17025:2017; EN ISO/IEC 17025:2017)
General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2017; EN ISO/IEC 17025:2017)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.07 Matematika. Prirodne znanosti (Rječnici)

Međunarodna normizacija IEC

IEC 60050-891 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 891:
Electrobiology; Amendment 1

01.040.13 Okoliš. Zaštita zdravlja. Sigurnost (Rječnici)

Međunarodna normizacija ISO

ISO 4007:2018
Personal protective equipment – Eye and face protection
– Vocabulary

01.040.17 Mjeriteljstvo i mjerenje. Fizikalne pojave (Rječnici)

Međunarodna normizacija ISO

ISO 2041:2018
Mechanical vibration, shock and condition monitoring
– Vocabulary

ISO 14839-1:2018
Mechanical vibration – Vibration of rotating machinery
equipped with active magnetic bearings – Part 1: Vocabulary

IEC

IEC 60050-801 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 801:
Acoustics and electroacoustics; Amendment 1

01.040.29 Elektrotehnika (Rječnici)

Međunarodna normizacija IEC

IEC 60050-161 AMD 8:2018
International Electrotechnical Vocabulary (IEV) – Part 161:
Electromagnetic compatibility; Amendment 8

IEC 60050-714 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 714:
Switching and signalling in telecommunications; Amendment 3

IEC 60050-721 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 721:
Telegraphy, facsimile and data communication; Amendment 3

IEC 60050-723 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 723:
Broadcasting: Sound, television, data; Amendment 4

IEC 60050-726 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 726:
Transmission lines and waveguides; Amendment 3

IEC 60050-731 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 731:
Optical fibre communication; Amendment 3

IEC 60050-801 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 801:
Acoustics and electroacoustics; Amendment 1

IEC 60050-806 AMD 2:2018
International Electrotechnical Vocabulary (IEV) – Part 806:
Recording and reproduction of audio and video; Amendment 2

IEC 60050-891 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 891:
Electrobiology; Amendment 1

01.040.33 Telekomunikacije. Audiotehnika i videotehnika (Rječnici)

Međunarodna normizacija IEC

IEC 60050-161 AMD 8:2018
International Electrotechnical Vocabulary (IEV) – Part 161:
Electromagnetic compatibility; Amendment 8

IEC 60050-702 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 702:
Oscillations, signals and related devices; Amendment 4

IEC 60050-704 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 704:
Transmission; Amendment 3

IEC 60050-713 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 713:
Radiocommunications: transmitters, receivers, networks and
operation; Amendment 3

IEC 60050-714 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 714:
Switching and signalling in telecommunications; Amendment 3

IEC 60050-721 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 721:
Telegraphy, facsimile and data communication; Amendment 3

IEC 60050-723 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 723:
Broadcasting: Sound, television, data; Amendment 4

IEC 60050-726 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 726:
Transmission lines and waveguides; Amendment 3

IEC 60050-731 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 731:
Optical fibre communication; Amendment 3

IEC 60050-806 AMD 2:2018
International Electrotechnical Vocabulary (IEV) – Part 806:
Recording and reproduction of audio and video; Amendment 2

IEC 60050-808 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 808:
Video cameras for non-broadcasting; Amendment 1

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Međunarodna normizacija IEC

IEC 60050-704 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 704:
Transmission; Amendment 3

01.040.37 Tehnologija obrade slike (Rječnici)

Međunarodna normizacija ISO

ISO 9211-1:2018
Optics and photonics – Optical coatings – Part 1: Vocabulary

01.040.47 Brodogradnja i pomorske konstrukcije (Rječnici)

Međunarodna normizacija IEC

IEC 60092-101:2018
Electrical installations in ships – Part 101: Definitions and
general requirements

01.040.65 Poljoprivreda (Rječnici)

Međunarodna normizacija ISO

ISO 7112:2018
Machinery for forestry – Portable brush-cutters and grass-trimmers – Vocabulary

01.100.20 Crteži u strojarstvu

Međunarodna normizacija ISO

ISO 10110-14:2018
Optics and photonics – Preparation of drawings for optical elements and systems – Part 14: Wavefront deformation tolerance

03.100.01 Ustroj poduzeća i upravljanje poduzećem općenito

Međunarodna normizacija ISO

ISO 22326:2018
Security and resilience – Emergency management – Guidelines for monitoring facilities with identified hazards

ISO 22327:2018
Security and resilience – Emergency management – Guidelines for implementation of a community-based landslide early warning system

ISO 22381:2018
Security and resilience – Authenticity, integrity and trust for products and documents – Guidelines for establishing interoperability among object identification systems to deter counterfeiting and illicit trade

ISO 22382:2018
Security and resilience – Authenticity, integrity and trust for products and documents – Guidelines for the content, security, issuance and examination of excise tax stamps

ISO 22395:2018
Security and resilience – Community resilience – Guidelines for supporting vulnerable persons in an emergency

03.120.01 Kvaliteta općenito

Europska normizacija CENELEC

EN IEC 60812:2018
Failure modes and effects analysis (FMEA and FMECA) (IEC 60812:2018)

EN IEC 62853:2018
Open systems dependability (IEC 62853:2018)

03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

Europska normizacija CEN

EN 9145:2018
Aerospace series – Requirements for Advanced Product Quality Planning and Production Part Approval Process

03.120.99 Ostale norme koje se odnose na kvalitetu

Međunarodna normizacija IEC

IEC 62881:2018
Cause and effect matrix

07.030 Fizika. Kemija

Međunarodna normizacija ISO

ISO 21255:2018
Fine bubble technology – Storage and transportation of ultrafine bubble dispersion in water

07.080 Biologija. Botanika. Zoologija

Međunarodna normizacija IEC

IEC 60050-891 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 891: Electrobiology; Amendment 1

07.100.20 Mikrobiologija vode

Međunarodna normizacija ISO

ISO 8199:2018
Water quality – General requirements and guidance for microbiological examinations by culture

11.040.25 Šprice. Igle. Kateteri

Međunarodna normizacija ISO

ISO 13926-1:2018
Pen systems – Part 1: Glass cylinders for pen-injectors for medical use

11.040.55 Dijagnostička oprema

Međunarodna normizacija IEC

IEC 61010-2-101:2018
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment

11.040.70 Oftalmološka oprema

Međunarodna normizacija ISO

ISO 7405:2018
Dentistry – Evaluation of biocompatibility of medical devices used in dentistry

11.080.01 Sterilizacija i dezinfekcija općenito

Međunarodna normizacija ISO

ISO 11135 AMD 1:2018
Revision of Annex E, Single batch release

ISO 25424:2018
Sterilization of health care products – Low temperature steam and formaldehyde – Requirements for development, validation and routine control of a sterilization process for medical devices

11.100.10 In vitro dijagnostički ispitni sustavi

Međunarodna normizacija IEC

IEC 61010-2-101:2018
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment

11.100.99 Ostale norme koje se odnose na laboratorijsku medicinu

Međunarodna normizacija ISO

ISO 7405:2018
Dentistry – Evaluation of biocompatibility of medical devices used in dentistry

11.200 Kontrola rađanja. Mehanička kontracepcijska sredstva

Međunarodna normizacija ISO

ISO/TR 19969:2018
Guidance on sample handling for determination of bursting volume and pressure, and testing for freedom from holes for male condom

13.020.20 Ekogospodarstvo

Međunarodna normizacija ISO

ISO 30500:2018
Non-sewered sanitation systems – Prefabricated integrated treatment units – General safety and performance requirements for design and testing

13.020.40 Onečišćenje, nadzor nad onečišćenjem i zaštita od onečišćenja

Međunarodna normizacija ISO

ISO 27919-1:2018
Carbon dioxide capture – Part 1: Performance evaluation methods for post-combustion CO₂ capture integrated with a power plant

13.020.99 Ostale norme koje se odnose na zaštitu okoliša

Međunarodna normizacija ISO

ISO 17325-3:2018
Ships and marine technology – Marine environment protection – Oil booms – Part 3: End connectors

13.040.20 Atmosfera okoliša

Međunarodna normizacija ISO

ISO 12219-8:2018
Interior air of road vehicles – Part 8: Handling and packaging of materials and components for emission testing

ISO 16000-36:2018
Indoor air – Part 36: Standard method for assessing the reduction rate of culturable airborne bacteria by air purifiers using a test chamber

13.040.30 Atmosfera u radnome prostoru

Međunarodna normizacija ISO

ISO 21832:2018
Workplace air – Metals and metalloids in airborne particles – Requirements for evaluation of measuring procedures

13.060.30 Kanalizacijske vode

Međunarodna normizacija ISO

ISO 20419:2018
Treated wastewater reuse for irrigation – Guidelines for the adaptation of irrigation systems and practices to treated wastewater

13.060.50 Ispitivanje voda na kemijske tvari

Međunarodna normizacija ISO

ISO 15681-2:2018
Water quality – Determination of orthophosphate and total phosphorus contents by flow analysis (FIA and CFA) – Part 2: Method by continuous flow analysis (CFA)

ISO 20236:2018
Water quality – Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TNb) and dissolved bound nitrogen (DNb) after high temperature catalytic oxidative combustion

ISO 21676:2018
Water quality – Determination of the dissolved fraction of selected active pharmaceutical ingredients, transformation products and other organic substances in water and treated waste water – Method using high performance liquid chromatography and mass spectrometric detection (HPLC-MS/MS or -HRMS) after direct injection

13.060.70 Ispitivanje bioloških svojstava vode

Međunarodna normizacija ISO

ISO 10634:2018
Water quality – Preparation and treatment of poorly water-soluble organic compounds for the subsequent evaluation of their biodegradability in an aqueous medium

13.080.05 Ispitivanje tla općenito, uključujući uzorkovanje

Međunarodna normizacija ISO

ISO 18400-104:2018
Soil quality – Sampling – Part 104: Strategies

ISO 18400-202:2018
Soil quality – Sampling – Part 202: Preliminary investigations

ISO 18400-203:2018
Soil quality – Sampling – Part 203: Investigation of potentially contaminated sites

ISO 18400-205:2018
Soil quality – Sampling – Part 205: Guidance on the procedure for investigation of natural, near-natural and cultivated sites

ISO 18400-206:2018
Soil quality – Sampling – Part 206: Collection, handling and storage of soil under aerobic conditions for the assessment of microbiological processes, biomass and diversity in the laboratory

13.080.10 Kemijske značajke tla

Međunarodna normizacija ISO

ISO 23161:2018
Soil quality – Determination of selected organotin compounds – Gas-chromatographic method

13.080.30 Biološka svojstva tla

Međunarodna normizacija
ISO

ISO 17924:2018
Soil quality – Assessment of human exposure from ingestion of soil and soil material – Procedure for the estimation of the human bioaccessibility/bioavailability of metals in soil

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Europska normizacija
CENELEC

EN IEC 60332-3-10:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus (IEC 60332-3-10:2018)

EN IEC 60332-3-21:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R (IEC 60332-3-21:2018)

EN IEC 60332-3-22:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A (IEC 60332-3-22:2018)

EN IEC 60332-3-23:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B (IEC 60332-3-23:2018)

EN IEC 60332-3-24:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C (IEC 60332-3-24:2018)

EN IEC 60332-3-25:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D (IEC 60332-3-25:2018)

Međunarodna normizacija
IEC

IEC 60332-3-10 Corrigendum 1:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus; Corrigendum 1

13.220.50 Vatrootpornost građevnih materijala i elemenata

Međunarodna normizacija
ISO

ISO 21843:2018
Determination of the resistance to hydrocarbon pool fires of fire protection materials and systems for pressure vessels

13.280 Zaštita od zračenja

Međunarodna normizacija
ISO

ISO 12807:2018
Safe transport of radioactive materials – Leakage testing on packages

13.320 Alarmni sustavi i sustavi uzbunjivanja

Europska normizacija
CENELEC

EN 50136-1:2012/A1:2018
Alarm systems – Alarm transmission systems and equipment – Part 1: General requirements for alarm transmission systems

13.340.10 Zaštitna odjeća

Međunarodna normizacija
ISO

ISO 11393-2:2018
Protective clothing for users of hand-held chainsaws – Part 2: Performance requirements and test methods for leg protectors

ISO 11393-5:2018
Protective clothing for users of hand-held chainsaws – Part 5: Performance requirements and test methods for protective gaiters

ISO 11393-6:2018
Protective clothing for users of hand-held chainsaws – Part 6: Performance requirements and test methods for upper body protectors

13.340.20 Zaštitna oprema za glavu

Međunarodna normizacija
ISO

ISO 4007:2018
Personal protective equipment – Eye and face protection – Vocabulary

ISO 4869-1:2018
Acoustics – Hearing protectors – Part 1: Subjective method for the measurement of sound attenuation

ISO 4869-2:2018
Acoustics – Hearing protectors – Part 2: Estimation of effective A-weighted sound pressure levels when hearing protectors are worn

13.340.30 Uređaji za zaštitu dišnih organa

Međunarodna normizacija
ISO

ISO 16900-5 AMD 1:2018
Respiratory protective devices – Methods of test and test equipment – Part 5: Breathing machine, metabolic simulator, RPD headforms and torso, tools and verification tools – Amendment 1: RPD head forms front and side view

13.340.40 Zaštita ruku i šaka

Međunarodna normizacija
ISO

ISO 11393-4:2018
Protective clothing for users of hand-held chainsaws – Part 4: Performance requirements and test methods for protective gloves

13.340.50 Zaštita nogu i stopala

Europska normizacija
CEN

EN 13832-1:2018
Footwear protecting against chemicals – Part 1: Terminology and test methods

17.140.01 Akustička mjerenja i smanjenje buke općenito

Međunarodna normizacija
IEC

IEC 60050-801 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 801:
Acoustics and electroacoustics; Amendment 1

17.160 Vibracije, udari i mjerenja vibracija

Međunarodna normizacija
ISO

ISO 2041:2018
Mechanical vibration, shock and condition monitoring
– Vocabulary

ISO 14839-1:2018
Mechanical vibration – Vibration of rotating machinery
equipped with active magnetic bearings – Part 1: Vocabulary

17.180.20 Boje i mjerenje svjetlosti

Europska normizacija
CENELEC

EN 62707-1:2014/A1:2018
LED-binning – Part 1: General requirements and
white colour grid intended for automotive applications
(IEC 62707-1:2013/A1:2018)

17.220.20 Mjerenje električnih i magnetskih veličina

Međunarodna normizacija
IEC

IEC 61557-12:2018
Electrical safety in low voltage distribution systems up to
1000 V AC and 1500 V DC. – Equipment for testing,
measuring or monitoring of protective measures – Part 12:
Power metering and monitoring devices (PMD)

17.240 Mjerenja zračenja

Međunarodna normizacija
IEC

IEC 63047:2018
Nuclear instrumentation – Data format for list mode digital data
acquisition used in radiation detection and measurement

21.020 Značajke i konstrukcija strojeva, uređaja i opreme

Europska normizacija
CENELEC

EN IEC 60812:2018
Failure modes and effects analysis (FMEA and FMECA)
(IEC 60812:2018)

21.100.10 Klizni ležajevi

Međunarodna normizacija
ISO

ISO 4379:2018
Plain bearings – Copper alloy bushes

ISO 14287:2018
Plain bearings – Pad materials for tilting pad bearings

ISO 21433:2018
Plain bearings – Handling of plain bearings

21.100.20 Valjni ležajevi

Međunarodna normizacija
ISO

ISO 19843:2018
Rolling bearings – Ceramic bearing balls – Determination of
strength by notched ball test

21.200 Zupčanici

Međunarodna normizacija
ISO

ISO/TR 6336-31:2018
Calculation of load capacity of spur and helical gears – Part 31:
Calculation examples of micropitting load capacity

23.020.35 Plinske boce

Europska normizacija
CEN

EN ISO 18119:2018
Gas cylinders – Seamless steel and seamless
aluminium-alloy gas cylinders and tubes – Periodic inspection
and testing (ISO 18119:2018)

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Europska normizacija
CEN

EN ISO 15494:2018
Plastics piping systems for industrial applications
– Polybutene (PB), polyethylene (PE), polyethylene of raised
temperature resistance (PE-RT), crosslinked polyethylene
(PE-X), polypropylene (PP) – Metric series for specifications
for components and the system (ISO 15494:2015)

23.040.20 Plastične cijevi

Europska normizacija
CEN

EN ISO 11297-3:2018
Plastics piping systems for renovation of underground
drainage and sewerage networks under pressure – Part 3:
Lining with close-fit pipes (ISO 11297-3:2018)

Međunarodna normizacija
ISO

ISO 11299-1:2018
Plastics piping systems for renovation of underground gas
supply networks – Part 1: General

ISO 11299-2:2018
Plastics piping systems for renovation of underground gas
supply networks – Part 2: Lining with continuous pipes

ISO 11299-3:2018
Plastics piping systems for renovation of underground gas
supply networks – Part 3: Lining with close-fit pipes

23.040.45 Plastične spojnice

Europska normizacija
CEN

EN ISO 11297-3:2018
Plastics piping systems for renovation of underground
drainage and sewerage networks under pressure – Part 3:
Lining with close-fit pipes (ISO 11297-3:2018)

Međunarodna normizacija ISO

- ISO 11299-1:2018
Plastics piping systems for renovation of underground gas supply networks – Part 1: General
- ISO 11299-2:2018
Plastics piping systems for renovation of underground gas supply networks – Part 2: Lining with continuous pipes
- ISO 11299-3:2018
Plastics piping systems for renovation of underground gas supply networks – Part 3: Lining with close-fit pipes

23.100.20 Cilindri

Međunarodna normizacija ISO

- ISO 6099:2018
Fluid power systems and components – Cylinders – Identification code for mounting dimensions and mounting types

23.100.60 Filtri, brtve i onečišćenje fluida

Međunarodna normizacija ISO

- ISO 2942:2018
Hydraulic fluid power – Filter elements – Verification of fabrication integrity and determination of the first bubble point

25.040.01 Sustavi industrijske automatizacije općenito

Međunarodna normizacija ISO

- ISO 16300-1:2018
Automation systems and integration – Interoperability of capability units for manufacturing application solutions – Part 1: Interoperability criteria of capability units per application requirements
- ISO/TR 22400-10:2018
Automation systems and integration – Key performance indicators (KPIs) for manufacturing operations management – Part 10: Operational sequence description of data acquisition

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Međunarodna normizacija ISO

- ISO 10303-57:2018
Industrial automation systems and integration – Product data representation and exchange – Part 57: Integrated generic resource: Persistent identification of elements in procedural shape modelling
- ISO 10303-62:2018
Industrial automation systems and integration – Product data representation and exchange – Part 62: Integrated generic resource: Equivalence validation of product data

25.100.40 Pile

Međunarodna normizacija ISO

- ISO 2296:2018
Metal slitting saws with fine and coarse teeth – Metric series

25.120.10 Oprema za kovanje. Preše. Škare

Međunarodna normizacija ISO

- ISO 11901-2:2018
Tools for pressing – Gas springs – Part 2: Specification of accessories
- ISO 20928:2018
Tools for pressing – Spring plungers with helicoidal compression steel spring or gas spring
- ISO 20929:2018
Tools for pressing – Heel guidings in large stamping and forming dies

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Međunarodna normizacija ISO

- ISO 17279-1:2018
Welding – Micro joining of 2nd generation high temperature superconductors – Part 1: General requirements for the procedure
- ISO 17279-2:2018
Welding – Micro joining of 2nd generation high temperature superconductors – Part 2: Qualification for welding and testing personnel

25.160.30 Oprema za zavarivanje

Međunarodna normizacija IEC

- IEC 60974-14:2018
Arc welding equipment – Part 14: Calibration, validation and consistency testing

25.160.40 Zavareni spojevi i zavari

Međunarodna normizacija ISO

- ISO 17640:2018
Non-destructive testing of welds – Ultrasonic testing – Techniques, testing levels, and assessment

25.220.10 Priprema površina

Međunarodna normizacija ISO

- ISO 11125-1:2018
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 1: Sampling
- ISO 11125-7:2018
Preparation of steel substrates before application of paints and related products – Test methods for metallic blast-cleaning abrasives – Part 7: Determination of moisture

27.010 Tehnika prijenosa energije i topline općenito

Europska normizacija CENELEC

- EN IEC 62325-503:2018
Framework for energy market communications – Part 503: Market data exchanges guidelines for the IEC 62325-351 profile (IEC 62325-503:2018)

27.020 Motori s unutrašnjim izgaranjem

Međunarodna normizacija ISO

ISO 8528-5:2018
Reciprocating internal combustion engine driven alternating current generating sets – Part 5: Generating sets

27.075 Tehnologije vodika

Europska normizacija CEN

EN 17124:2018
Hydrogen fuel – Product specification and quality assurance – Proton exchange membrane (PEM) fuel cell applications for road vehicles

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Međunarodna normizacija ISO

ISO 12807:2018
Safe transport of radioactive materials – Leakage testing on packages

27.160 Solarna energetika

Europska normizacija CENELEC

EN IEC 61853-3:2018
Photovoltaic (PV) module performance testing and energy rating – Part 3: Energy rating of PV modules (IEC 61853-3:2018)

EN IEC 61853-4:2018
Photovoltaic (PV) module performance testing and energy rating – Part 4: Standard reference climatic profiles (IEC 61853-4:2018)

EN 62446-1:2016/A1:2018
Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection (IEC 62446-1:2016/A1:2018)

EN IEC 62862-3-2:2018
Solar thermal electric plants – Part 3-2: Systems and components – General requirements and test methods for large-size parabolic-trough collectors (IEC 62862-3-2:2018)

27.190 Biološki izvori i alternativni izvori energije

Međunarodna normizacija ISO

ISO 20023:2018
Solid biofuels – Safety of solid biofuel pellets – Safe handling and storage of wood pellets in residential and other small-scale applications

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

EN IEC 60812:2018
Failure modes and effects analysis (FMEA and FMECA) (IEC 60812:2018)

Međunarodna normizacija IEC

IEC 60050-161 AMD 8:2018
International Electrotechnical Vocabulary (IEV) – Part 161: Electromagnetic compatibility; Amendment 8

IEC 60050-714 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 714: Switching and signalling in telecommunications; Amendment 3

IEC 60050-721 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 721: Telegraphy, facsimile and data communication; Amendment 3

IEC 60050-723 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 723: Broadcasting: Sound, television, data; Amendment 4

IEC 60050-726 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 726: Transmission lines and waveguides; Amendment 3

IEC 60050-731 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 731: Optical fibre communication; Amendment 3

IEC 60050-801 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 801: Acoustics and electroacoustics; Amendment 1

IEC 60050-806 AMD 2:2018
International Electrotechnical Vocabulary (IEV) – Part 806: Recording and reproduction of audio and video; Amendment 2

IEC 60050-891 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 891: Electrobiology; Amendment 1

29.030 Magnetni materijali

Europska normizacija CENELEC

EN IEC 60404-13:2018
Magnetic materials – Part 13: Methods of measurement of resistivity, density and stacking factor of electrical steel strip and sheet (IEC 60404-13:2018)

29.050 Supravodljivost i vodljivi materijali

Europska normizacija CENELEC

EN IEC 61788-23:2018
Superconductivity – Part 23: Residual resistance ratio measurement – Residual resistance ratio of Nb superconductors (IEC 61788-23:2018)

EN IEC 61788-25:2018
Superconductivity – Part 25: Mechanical properties measurement – Room temperature tensile test on REBCO wires (IEC 61788-25:2018)

29.060.20 Kabeli

Europska normizacija CENELEC

EN IEC 60332-3-10:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus (IEC 60332-3-10:2018)

EN IEC 60332-3-21:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A F/R (IEC 60332-3-21:2018)

EN IEC 60332-3-22:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A (IEC 60332-3-22:2018)

EN IEC 60332-3-23:2018
Tests on electric and optical fibre cables under fire conditions – Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category B (IEC 60332-3-23:2018)

EN IEC 60332-3-24:2018

Tests on electric and optical fibre cables under fire conditions – Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category C (IEC 60332-3-24:2018)

EN IEC 60332-3-25:2018

Tests on electric and optical fibre cables under fire conditions – Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category D (IEC 60332-3-25:2018)

Međunarodna normizacija IEC

IEC 60332-3-10 Corrigendum 1:2018

Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus; Corrigendum 1

29.120.30 Utikači, utičnice, sprežnici

Međunarodna normizacija IEC

IEC 60320-3 AMD 1:2018

Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges; Amendment 1

IEC 60320-3 Edition 1.1:2018

Appliance couplers for household and similar general purposes – Part 3: Standard sheets and gauges

29.120.40 Sklopke

Međunarodna normizacija IEC

IEC 61058-2-4:2018

Switches for appliances – Part 2-4: Particular requirements for independently mounted switches

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 50069:2018

High-voltage switchgear and controlgear – Gas-filled welded composite enclosures of cast and wrought aluminium alloys

29.130.20 Niskonaponski rasklopni i upravljački uređaji

Međunarodna normizacija IEC

IEC 60947-4-1:2018

Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters

29.140.01 Svjetiljke općenito

Međunarodna normizacija IEC

IEC/TR 63139:2018

Explanation of the mathematical addition of working voltages, insulation between circuits and use of PELV in TC 34 standards

29.140.10 Kape i držači svjetiljki

Europska normizacija CENELEC

EN 60061-1:1993/A58:2018

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp Caps (IEC 60061-1:1969/A58:2018)

EN 60061-2:1993/A54:2018

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/A54:2018)

EN 60061-3:1993/A55:2018

Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/A55:2018)

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija CENELEC

EN 50107-3:2018/AC:2018

Product standard covering luminous signs with discharge lamps and/or LED (light emitting diodes) and/or EL (electroluminescent) light sources with a nominal voltage not exceeding 1000 V, with the exclusion of general lighting, traffic- or emergency related purpose

EN 61167:2018

Metal halide lamps – Performance specification (IEC 61167:2018, modified)

Međunarodna normizacija IEC

IEC 61167 AMD 1:2018

Metal halide lamps – Performance specification; Amendment 1

IEC 61167 Edition 4.1:2018

Metal halide lamps – Performance specification

29.140.99 Ostale norme koje se odnose na svjetiljke

Europska normizacija CENELEC

EN 62612:2013/A2:2018

Self-ballasted LED lamps for general lighting services with supply voltages > 50 V – Performance requirements (IEC 62612:2013/A2:2018)

EN 62707-1:2013/A1:2018

LED-binning – Part 1: General requirements and white colour grid intended for automotive applications (IEC 62707-1:2013/A1:2018)

29.160.01 Rotacijski strojevi općenito

Europska normizacija CENELEC

EN IEC 60034-14:2018

Rotating electrical machines – Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher – Measurement, evaluation and limits of vibration severity (IEC 60034-14:2018)

29.160.40 Električni agregati

Međunarodna normizacija ISO

ISO 8528-5:2018

Reciprocating internal combustion engine driven alternating current generating sets – Part 5: Generating sets

29.180 Transformatori. Prigušnice

Europska normizacija
CENELEC

EN IEC 60076-11:2018
Power transformers – Part 11: Dry-type transformers
(IEC 60076-11:2018)

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Europska normizacija
CENELEC

EN 60335-2-29:2004/A11:2018
Household and similar electrical appliances – Safety
– Part 2-29: Particular requirements for battery chargers

31.020 Elektronički sastavni dijelovi općenito

Međunarodna normizacija
IEC

IEC 62368-1:2018
Audio/video, information and communication technology
equipment – Part 1: Safety requirements

31.040.20 Potencijometri, promjenjivi otpornici

Međunarodna normizacija
IEC

IEC 61051-1:2018
Varistors for use in electronic equipment – Part 1: Generic
specification

31.180 Tiskani krugovi i pločice

Europska normizacija
CENELEC

EN IEC 61189-2-630:2018
Test methods for electrical materials, printed board and other
interconnection structures and assemblies – Part 2-630:
Test methods for materials for interconnection structures
– Moisture absorption after pressure vessel conditioning
(IEC 61189-2-630:2018)

EN IEC 61191-1:2018
Printed board assemblies – Part 1: Generic specification
– Requirements for soldered electrical and electronic
assemblies using surface mount and related assembly
technologies (IEC 61191-1:2018)

31.200 Integrirani krugovi. Mikroelektronika

Europska normizacija
CENELEC

EN IEC 62435-6:2018
Electronic components – Long-term storage of electronic
semiconductor devices – Part 6: Packaged or finished devices
(IEC 62435-6:2018)

31.220.10 Utikačke i utičničke naprave. Konektori

Međunarodna normizacija
IEC

IEC 60512-1:2018
Connectors for electrical and electronic equipment – Tests
and measurements – Part 1: Generic specification

IEC/PAS 60512-27-200:2018
Connectors for electrical and electronic equipment – Tests
and measurements – Part 27-200: Additional specifications
for signal integrity tests up to 2000 MHz on IEC 60603-7
series connectors – Tests 27a to 27g

31.240 Mehaničke konstrukcije za elektroničku opremu

Europska normizacija
CENELEC

EN IEC 60297-3-110:2018
Mechanical structures for electrical and electronic equipment
– Dimensions of mechanical structures of the 482,6 mm
(19 in) series – Part 3-110: Residential racks and cabinets
for smart houses (IEC 60297-3-110:2018)

33.020 Telekomunikacije općenito

Međunarodna normizacija
IEC

IEC 60050-702 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 702:
Oscillations, signals and related devices; Amendment 4

IEC 60050-704 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 704:
Transmission; Amendment 3

IEC 60050-714 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 714:
Switching and signalling in telecommunications;
Amendment 3

33.040.01 Telekomunikacijski sustavi općenito

Međunarodna normizacija
IEC

IEC 60050-721 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 721:
Telegraphy, facsimile and data communication; Amendment 3

33.040.40 Mreže za prijenos podataka

Europska normizacija
CENELEC

EN 61850-6:2010/A1:2018
Communication networks and systems for power utility
automation – Part 6: Configuration description language for
communication in power utility automation systems related to
IEDs (IEC 61850-6:2009/A1:2018)

33.060.20 Prijamna i odašiljačka oprema

Međunarodna normizacija
IEC

IEC 60050-713 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 713:
Radiocommunications: transmitters, receivers, networks and
operation; Amendment 3

33.060.40 Kabelski distribucijski sustavi

Europska normizacija
CENELEC

EN IEC 60728-113:2018
Cable networks for television signals, sound signals and
interactive services – Part 113: Optical systems for broadcast
signal transmissions loaded with digital channels only
(IEC 60728-113:2018)

33.100.01 Elektromagnetska kompatibilnost općenito

Međunarodna normizacija IEC

IEC 60050-161 AMD 8:2018
International Electrotechnical Vocabulary (IEV) – Part 161:
Electromagnetic compatibility; Amendment 8

33.100.20 Otpornost

Europska normizacija CENELEC

EN 55016-4-2:2011/A2:2018
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/A2:2018)

33.120.10 Koaksijalni kabeli. Valovodi

Međunarodna normizacija IEC

IEC 60050-726 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 726:
Transmission lines and waveguides; Amendment 3

33.120.20 Žice i simetrični kabeli

Međunarodna normizacija IEC

IEC 61156-1-4:2018
Multicore and symmetrical pair/quad cables for digital
communications – Part 1-4: Assessment of conductor heating
in bundled cables due to the deployment of remote powering

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Međunarodna normizacija IEC

IEC 60050-723 AMD 4:2018
International Electrotechnical Vocabulary (IEV) – Part 723:
Broadcasting: Sound, television, data; Amendment 4

IEC 60050-806 AMD 2:2018
International Electrotechnical Vocabulary (IEV) – Part 806:
Recording and reproduction of audio and video; Amendment 2

IEC 62368-1:2018
Audio/video, information and communication technology
equipment – Part 1: Safety requirements

33.160.40 Videosustavi

Međunarodna normizacija IEC

IEC 60050-808 AMD 1:2018
International Electrotechnical Vocabulary (IEV) – Part 808:
Video cameras for non-broadcasting; Amendment 1

33.170 Televizijski i radijski prijenos

Međunarodna normizacija IEC

IEC 62106-1:2018
Radio data system (RDS) – VHF/FM sound broadcasting in
the frequency range from 64,0 MHz to 108,0 MHz – Part 1:
Modulation characteristics and baseband coding

IEC 62106-2:2018
Radio data system (RDS) – VHF/FM sound broadcasting in
the frequency range from 64,0 MHz to 108,0 MHz – Part 2:
Message format: Coding and definitions of RDS features

33.180.01 Svjetlovodni sustavi općenito

Međunarodna normizacija IEC

IEC 60050-731 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 731:
Optical fibre communication; Amendment 3

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija CENELEC

EN IEC 60332-3-10:2018
Tests on electric and optical fibre cables under fire conditions
– Part 3-10: Test for vertical flame spread of vertically-mounted
bunched wires or cables – Apparatus (IEC 60332-3-10:2018)

EN IEC 60332-3-22:2018
Tests on electric and optical fibre cables under fire
conditions – Part 3-22: Test for vertical flame spread of
vertically-mounted bunched wires or cables – Category A
(IEC 60332-3-22:2018)

EN IEC 60332-3-23:2018
Tests on electric and optical fibre cables under fire
conditions – Part 3-23: Test for vertical flame spread of
vertically-mounted bunched wires or cables – Category B
(IEC 60332-3-23:2018)

EN IEC 60332-3-24:2018
Tests on electric and optical fibre cables under fire
conditions – Part 3-24: Test for vertical flame spread of
vertically-mounted bunched wires or cables – Category C
(IEC 60332-3-24:2018)

EN IEC 60332-3-25:2018
Tests on electric and optical fibre cables under fire
conditions – Part 3-25: Test for vertical flame spread of
vertically-mounted bunched wires or cables – Category D
(IEC 60332-3-25:2018)

EN IEC 60793-1-49:2018
Optical fibres – Part 1-49: Measurement methods and test
procedures – Differential mode delay (IEC 60793-1-49:2018)

EN IEC 60794-4-20:2018
Optical fibre cables – Part 4-20: Sectional specification
– Aerial optical cables along electrical power lines – Family
specification for ADSS (all dielectric self-supported) optical
cables (IEC 60794-4-20:2018)

Međunarodna normizacija IEC

IEC 60332-3-10 Corrigendum 1:2018
Tests on electric and optical fibre cables under fire conditions
– Part 3-10: Test for vertical flame spread of vertically-mounted
bunched wires or cables – Apparatus; Corrigendum 1

33.180.20 Svjetlovodni vezne naprave

Europska normizacija CENELEC

EN IEC 61753-1:2018
Fibre optic interconnecting devices and passive components
– Performance standard – Part 1: General and guidance
(IEC 61753-1:2018)

EN IEC 62005-9-4:2018
Fibre optic interconnecting devices and passive components
– Reliability – Part 9-4: High power qualification of
passive optical components for environmental category C
(IEC 62005-9-4:2018)

33.180.99 Ostala svjetlovodna oprema

Europska normizacija
CENELEC

EN IEC 61757:2018
Fibre optic sensors – Generic specification (IEC 61757:2018)

35.020 Informacijska tehnologija (IT) općenito

Međunarodna normizacija
IEC

IEC 62368-1:2018
Audio/video, information and communication technology
equipment – Part 1: Safety requirements

35.030 Informatička sigurnost

Međunarodna normizacija
ISO

ISO/IEC 11770-2:2018
IT Security techniques – Key management – Part 2:
Mechanisms using symmetric techniques

ISO/IEC 27050-2:2018
Information technology – Electronic discovery – Part 2:
Guidance for governance and management of electronic
discovery

ISO/IEC 29147:2018
Information technology – Security techniques – Vulnerability
disclosure

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija
ISO

ISO/IEC 21000-8 AMD 4:2018
Information technology – Multimedia framework (MPEG-21)
– Part 8: Reference software – Amendment 4: Media value
chain ontology extensions on time-segments and multi-track
audio

ISO/IEC 23000-17:2018
Information technology – Multimedia application format
(MPEG-A) – Part 17: Multiple sensorial media application
format

ISO/IEC 23000-19 AMD 1:2018
Information technology – Multimedia application format
(MPEG-A) – Part 19: Common media application format
(CMAF) for segmented media – Amendment 1: SHVC media
profile and additional audio media profiles

ISO/IEC 23005-2:2018
Information technology – Media context and control – Part 2:
Control information

ISO/IEC 23005-4:2018
Information technology – Media context and control – Part 4:
Virtual world object characteristics

ISO/IEC 23009-4:2018
Information technology – Dynamic adaptive streaming
over HTTP (DASH) – Part 4: Segment encryption and
authentication

IEC

IEC 60050-704 AMD 3:2018
International Electrotechnical Vocabulary (IEV) – Part 704:
Transmission; Amendment 3

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija
ISO

ISO 28560-2:2018
Information and documentation – RFID in libraries – Part 2:
Encoding of RFID data elements based on rules from
ISO/IEC 15962

ISO/IEC 29167-21:2018
Information technology – Automatic identification and data
capture techniques – Part 21: Crypto suite SIMON security
services for air interface communications

35.100.01 Međupovezivanje otvorenih sustava općenito

Europska normizacija
CENELEC

EN IEC 62853:2018
Open systems dependability (IEC 62853:2018)

35.100.20 Sloj veze između podataka

Europska normizacija
CENELEC

EN IEC 61784-5-3:2018
Industrial communication networks – Profiles – Part 5-3:
Installation of fieldbuses – Installation profiles for CPF 3
(IEC 61784-5-3:2018)

35.100.60 Sloj prikazivanja

Međunarodna normizacija
ISO

ISO/IEC 8824-1 Technical Corrigendum 3:2018
Information technology – Abstract Syntax Notation
One (ASN.1): Specification of basic notation; Technical
Corrigendum 3

ISO/IEC 8825-7 Technical Corrigendum 4:2018
Information technology – ASN.1 encoding rules – Part 7:
Specification of Octet Encoding Rules (OER); Technical
Corrigendum 4

ISO/IEC 8825-8:2018
Information technology – ASN.1 encoding rules – Part 8:
Specification of JavaScript Object Notation Encoding Rules
(JER)

35.110 Umrežavanje

Međunarodna normizacija
ISO

ISO/IEC/IEEE 8802-1AE AMD 3:2018
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Part 1AE: Media access control (MAC) security
– Amendment 3: Ethernet data encryption devices

ISO/IEC/IEEE 8802-3 AMD 6:2018
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 3: Standard for
Ethernet – Amendment 6: Physical layer specifications
and management parameters for ethernet passive optical
networks protocol over coax

ISO/IEC/IEEE 8802-3 AMD 8:2018
Information technology – Telecommunications and information
exchange between systems – Local and metropolitan area
networks – Specific requirements – Part 3: Standard for
Ethernet – Amendment 8: Physical layer and management
parameters for power over data lines (PoDL) of single
balanced twisted-pair ethernet

ISO/IEC/IEEE 8802-3 AMD 9:2018

Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 3: Standard for Ethernet – Amendment 9: Physical layer specifications and management parameters for 1000 Mb/s operation over plastic optical fiber

35.160 Mikroprocesorski sustavi

Europska normizacija
CENELEC

EN IEC 61784-5-3:2018

Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2018)

35.240.15 Identifikacijske kartice i pripadajuće naprave

Međunarodna normizacija
ISO

ISO/IEC 24787:2018

Information technology – Identification cards – On-card biometric comparison

35.240.20 Primjene informacijske tehnologije u uredskom poslovanju

Međunarodna normizacija
ISO

ISO/IEC 20071-23:2018

Information technology – User interface component accessibility – Part 23: Visual presentation of audio information (including captions and subtitles)

35.240.30 Primjene informacijske tehnologije u obavješćivanju, dokumentaciji i izdavaštvu

Međunarodna normizacija
ISO

ISO 28560-2:2018

Information and documentation – RFID in libraries – Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962

35.240.50 Primjene informacijske tehnologije u industriji

Europska normizacija
CENELEC

EN IEC 61784-5-3:2018

Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2018)

EN IEC 62325-503:2018

Framework for energy market communications – Part 503: Market data exchanges guidelines for the IEC 62325-351 profile (IEC 62325-503:2018)

35.240.70 Primjene informacijske tehnologije u znanosti

Međunarodna normizacija
ISO

ISO 19123-2:2018

Geographic information – Schema for coverage geometry and functions – Part 2: Coverage implementation schema

35.240.99 Primjene IT-a u ostalim područjima

Međunarodna normizacija
ISO

ISO 25119-1:2018

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development

ISO 25119-2:2018

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase

ISO 25119-3:2018

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software

ISO 25119-4:2018

Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes

IEC

IEC 63047:2018

Nuclear instrumentation – Data format for list mode digital data acquisition used in radiation detection and measurement

37.020 Optička oprema

Međunarodna normizacija
ISO

ISO 9211-1:2018

Optics and photonics – Optical coatings – Part 1: Vocabulary

ISO 9211-6:2018

Optics and photonics – Optical coatings – Part 6: Minimum requirements for reflecting coatings

ISO 10110-14:2018

Optics and photonics – Preparation of drawings for optical elements and systems – Part 14: Wavefront deformation tolerance

37.040.99 Ostale norme koje se odnose na fotografiju

Međunarodna normizacija
ISO

ISO/TR 18945:2018

Imaging materials – Pictorial colour reflection prints – Comparison of image degradation observed between ISO 18930 accelerated weathering test method and outdoor exposure

39.040.10 Ručni i džepni satovi

Međunarodna normizacija
ISO

ISO 6425:2018

Horology – Divers' watches

43.020 Cestovna vozila općenito

Međunarodna normizacija
ISO

ISO 12219-8:2018

Interior air of road vehicles – Part 8: Handling and packaging of materials and components for emission testing

43.040.65 Sustavi za laštenje i brisanje stakla

Međunarodna normizacija ISO

- ISO 13216-3:2018
Road vehicles – Anchorages in vehicles and attachments to anchorages for child restraint systems – Part 3: Classification of child restraint system and space in vehicle

43.060.40 Sustavi goriva

Međunarodna normizacija ISO

- ISO 7612:2018
Diesel engines – Base-mounted in-line fuel injection pumps and high-pressure supply pumps for common rail fuel injection systems – Mounting dimensions
- ISO 19881:2018
Gaseous hydrogen – Land vehicle fuel containers
- ISO 21266-1:2018
Road vehicles – Compressed gaseous hydrogen (CGH₂) and hydrogen/natural gas blends fuel systems – Part 1: Safety requirements
- ISO 21266-2:2018
Road vehicles – Compressed gaseous hydrogen (CGH₂) and hydrogen/natural gas blends fuel systems – Part 2: Test methods

43.080.01 Gospodarska vozila općenito

Međunarodna normizacija ISO

- ISO 21308-6:2018
Road vehicles – Product data exchange between chassis and bodywork manufacturers (BEP) – Part 6: Coding of hook loader bodywork
- ISO 21308-7:2018
Road vehicles – Product data exchange between chassis and body work manufacturers (BEP) – Part 7: Coding of skip loader bodywork

43.120 Električna cestovna vozila

Međunarodna normizacija ISO

- ISO 6469-3:2018
Electrically propelled road vehicles – Safety specifications – Part 3: Electrical safety

45.020 Željeznička tehnika općenito

Međunarodna normizacija ISO

- ISO 20138-1:2018
Railway applications – Calculation of braking performance (stopping, slowing and stationary braking) – Part 1: General algorithms utilizing mean value calculation
- ISO/TR 22131:2018
Railway applications – Railway braking – Country specific applications for ISO 20138-1

45.060.10 Vučna vozila

Europska normizacija CENELEC

- EN 50463-2:2017/AC:2018
Railway applications – Energy measurement on board trains – Part 2: Energy measuring

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Međunarodna normizacija IEC

- IEC 60092-101:2018
Electrical installations in ships – Part 101: Definitions and general requirements

47.020.70 Oprema za navigaciju i upravljanje

Europska normizacija CENELEC

- EN IEC 61993-2:2018
Maritime navigation and radiocommunication equipment and systems – Automatic Identification Systems (AIS) – Part 2: Class A shipborne equipment of the automatic identification system (AIS) – Operational and performance requirements, methods of test and required test results (IEC 61993-2:2018)
- EN IEC 62923-1:2018
Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 1: Operational and performance requirements, methods of testing and required test results (IEC 62923-1:2018)
- EN IEC 62923-2:2018
Maritime navigation and radiocommunication equipment and systems – Bridge alert management – Part 2: Alert and cluster identifiers and other additional features (IEC 62923-2:2018)

Međunarodna normizacija ISO

- ISO 19847:2018
Ships and marine technology – Shipboard data servers to share field data at sea
- ISO 19848:2018
Ships and marine technology – Standard data for shipboard machinery and equipment

47.020.99 Ostale norme koje se odnose na brodogradnju i pomorske konstrukcije

Međunarodna normizacija ISO

- ISO 17325-3:2018
Ships and marine technology – Marine environment protection – Oil booms – Part 3: End connectors

47.080 Mala plovila

Europska normizacija CEN

- EN ISO 12215-1:2018
Small craft – Hull construction and scantlings – Part 1: Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate (ISO 12215-1:2000)

49.020 Zrakoplovi i svemirska vozila općenito

Europska normizacija CEN

- EN 9145:2018
Aerospace series – Requirements for Advanced Product Quality Planning and Production Part Approval Process
- EN 9146:2018
Aerospace series – Foreign Object Damage (FOD) Prevention Program – Requirements for Aviation, Space, and Defence Organizations

49.025 Materijali za zrakoplovne konstrukcije

Europska normizacija CEN

- EN 2369:2018
Aerospace series – Wires, heat resisting alloys – Diameter $0,2\text{ mm} \leq D \leq 8\text{ mm}$ – Dimensions

49.030.30 Matice

Europska normizacija CEN

- EN 2894:2018
Aerospace series – Nuts, bihexagonal, self-locking, with counterbore, in heat resisting nickel base alloy, passivated, MoS2 lubricated – Classification: 1550 MPa (at ambient temperature) / 315 °C

49.035 Sastavni dijelovi za zrakoplovne konstrukcije

Europska normizacija CEN

- EN 4710-01:2018
Aerospace series – Quick release fastening systems for non-structural applications – Part 01: Technical specification
- EN 4710-03:2018
Aerospace series – Quick release fastening systems for non-structural applications – Part 03: Spring clamp

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

- EN 2591-228:2018
Aerospace series – Elements of electrical and optical connection – Test methods – Part 228: Ferrule withdrawal force
- EN 2591-403:2018
Aerospace series – Elements of electrical and optical connection – Test methods – Part 403: Sinusoidal and random vibration
- EN 3660-004:2018
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 004: Cable outlet, style A, straight, unsealed with clamp strain relief – Product standard
- EN 3660-005:2018
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 005: Cable outlet, style A, 90°, unsealed with clamp strain relief – Product standard
- EN 3745-202:2018
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 202: Fibre dimensions
- EN 4611-006:2018
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 006: Silver plated copper Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications – UV laser printable – Product standard
- EN 4611-007:2018
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Part 007: Nickel plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications – UV laser printable – Product standard

- EN 4708-102:2018
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 102: Very flexible polymer – Operating temperature -75 °C to 150 °C – Product standard

- EN 4708-106:2018
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 106: Limited fire hazard sleeving – Operating temperatures -30 °C to 105 °C – Product standard

- EN 4839-001:2018
Aerospace series – Arc fault circuit breakers, three-poles, temperature compensated, rated current 3 A to 25 A – 115 V a.c. 400 Hz constant frequency – Part 001: Technical specification

- EN 4839-003:2018
Aerospace series – Arc Fault Circuit breakers, three-pole, temperature compensated, rated currents 3 A to 25 A, 115/200 V a.c. 400 Hz constant frequency – Part 003: Without auxiliary contacts – Product standard

49.090 Oprema i instrumenti u zrakoplovu

Europska normizacija CEN

- EN 2591-228:2018
Aerospace series – Elements of electrical and optical connection – Test methods – Part 228: Ferrule withdrawal force
- EN 2591-403:2018
Aerospace series – Elements of electrical and optical connection – Test methods – Part 403: Sinusoidal and random vibration

53.060 Industrijski prijevozni sustavi

Europska normizacija CEN

- EN 1459-2+A1:2018
Rough-terrain trucks – Safety requirements and verification – Part 2: Slewing variable-reach trucks

53.100 Strojevi za zemljane radove

Europska normizacija CEN

- EN ISO 19014-3:2018
Earth-moving machinery – Functional safety – Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system (ISO 19014-3:2018)

55.100 Boce. Vrčevi. Lonci

Međunarodna normizacija ISO

- ISO 10106:2018
Cork stoppers – Determination of global migration

55.230 Strojevi za distribuciju i prodaju

Međunarodna normizacija IEC

- IEC 60335-2-75 AMD 2:2018
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines; Amendment 2
- IEC 60335-2-75 Edition 3.2:2018
Household and similar electrical appliances – Safety – Part 2-75: Particular requirements for commercial dispensing appliances and vending machines

59.060.01 Tekstilna vlakna općenito

Međunarodna normizacija ISO

ISO 1833-6:2018
Textiles – Quantitative chemical analysis – Part 6: Mixtures of viscose, certain types of cupro, modal or lyocell with certain other fibres (method using formic acid and zinc chloride)

59.080.01 Tekstili općenito

Međunarodna normizacija ISO

ISO 21232:2018
Textiles – Determination of moisturizing effect of textile materials by measurement of microclimate between textiles and simulated human skin using sweating guarded hotplate

59.080.30 Tekstilni proizvodi

Međunarodna normizacija ISO

ISO 20158:2018
Textiles – Determination of water absorption time and water absorption capacity of textile fabrics

59.080.40 Naslojeni plošni tekstil

Međunarodna normizacija ISO

ISO 32100:2018
Rubber- or plastics-coated fabrics – Physical and mechanical tests – Determination of flex resistance by the flexometer method

59.080.50 Užad

Europska normizacija CEN

EN ISO 10325:2018
Fibre ropes – High modulus polyethylene – 8-strand braided ropes, 12-strand braided ropes and covered ropes (ISO 10325:2018)

Međunarodna normizacija ISO

ISO 20615:2018
Fibre ropes – Electrostatic surface potential measuring method

59.140.30 Koža i krzno

Međunarodna normizacija ISO

ISO 23702-1:2018
Leather – Organic fluorine – Part 1: Determination of the non-volatile compound content by extraction method using liquid chromatography/tandem mass spectrometry detector (LC-MS/MS)

65.040.10 Nastambe, instalacije i oprema za stoku

Europska normizacija CENELEC

EN IEC 60335-2-76:2018
Household and similar electrical appliances – Safety – Part 2-76: Particular requirements for electric fence energizers (IEC 60335-2-76:2018)

65.040.30 Staklenici i ostale instalacije

Međunarodna normizacija ISO

ISO 25119-1:2018
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development

ISO 25119-2:2018
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 2: Concept phase

ISO 25119-3:2018
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software

ISO 25119-4:2018
Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes

65.060.30 Oprema za sjetvu i sadnju

Europska normizacija CEN

EN ISO 4254-9:2018
Agricultural machinery – Safety – Part 9: Seed drills (ISO 4254-9:2018)

Međunarodna normizacija ISO

ISO 4254-9:2018
Agricultural machinery – Safety – Part 9: Seed drills

65.060.35 Oprema za navodnjavanje i isušivanje

Međunarodna normizacija ISO

ISO 20419:2018
Treated wastewater reuse for irrigation – Guidelines for the adaptation of irrigation systems and practices to treated wastewater

65.060.80 Oprema za šumarstvo

Međunarodna normizacija ISO

ISO 7112:2018
Machinery for forestry – Portable brush-cutters and grass-trimmers – Vocabulary

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija ISO

ISO 7210:2018
Routine analytical cigarette-smoking machine – Additional test methods for machine verification

ISO 20778:2018
Cigarettes – Routine analytical cigarette smoking machine – Definitions and standard conditions with an intense smoking regime

ISO 20779:2018
Cigarettes – Generation and collection of total particulate matter using a routine analytical smoking machine with an intense smoking regime

67.220.10 Mirodije i začini

Međunarodna normizacija ISO

ISO 20377:2018
Dried parsley (*Petroselinum crispum*) – Specification

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Međunarodna normizacija IEC

IEC 61010-2-051:2018
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-051: Particular requirements for laboratory equipment for mixing and stirring

71.040.50 Fizikalnokemijske metode analize

Međunarodna normizacija IEC

IEC 61010-2-051:2018
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-051: Particular requirements for laboratory equipment for mixing and stirring

71.040.99 Ostale norme koje se odnose na analitičku kemiju

Međunarodna normizacija ISO

ISO 20720:2018
Microbeam analysis – Methods of specimen preparation for analysis of general powders using WDS and EDS

71.100.20 Plinovi za industrijsku primjenu

Europska normizacija CEN

EN 17124:2018
Hydrogen fuel – Product specification and quality assurance – Proton exchange membrane (PEM) fuel cell applications for road vehicles

Međunarodna normizacija ISO

ISO 19881:2018
Gaseous hydrogen – Land vehicle fuel containers

73.040 Ugljen

Međunarodna normizacija ISO

ISO 13605:2018
Solid mineral fuels – Major and minor elements in coal ash and coke ash – Wavelength dispersive x-ray fluorescence spectrometric method

75.020 Crpenje i obrada nafte i prirodnoga plina

Međunarodna normizacija ISO

ISO 17782:2018
Petroleum, petrochemical and natural gas industries – Scheme for conformity assessment of manufacturers of special materials

ISO 35104:2018
Petroleum and natural gas industries – Arctic operations – Ice management

75.060 Prirodni plin

Međunarodna normizacija ISO

ISO 6974-3:2018
Natural gas – Determination of composition and associated uncertainty by gas chromatography – Part 3: Precision and bias

ISO 20676:2018
Natural gas – Upstream area – Determination of hydrogen sulfide content by laser absorption spectroscopy

75.100 Maziva, industrijska ulja i srodni proizvodi

Međunarodna normizacija ISO

ISO 22285:2018
Petroleum products and lubricants – Determination of oil separation from grease – Pressure filtration method

ISO 22286:2018
Petroleum products and lubricants – Determination of the dropping point of grease with an automatic apparatus

75.160.10 Kruta goriva

Međunarodna normizacija ISO

ISO 13605:2018
Solid mineral fuels – Major and minor elements in coal ash and coke ash – Wavelength dispersive x-ray fluorescence spectrometric method

75.160.20 Tekuća goriva

Međunarodna normizacija ISO

ISO 12156-1:2018
Diesel fuel – Assessment of lubricity using the high-frequency reciprocating rig (HFRR) – Part 1: Test method

75.160.40 Biogoriva

Međunarodna normizacija ISO

ISO 20023:2018
Solid biofuels – Safety of solid biofuel pellets – Safe handling and storage of wood pellets in residential and other small-scale applications

75.180.01 Oprema za naftnu industriju i industriju prirodnoga plina općenito

Međunarodna normizacija ISO

ISO 20815:2018
Petroleum, petrochemical and natural gas industries – Production assurance and reliability management

75.180.10 Oprema za iskorištavanje i vađenje

Međunarodna normizacija ISO

ISO 11961:2018
Petroleum and natural gas industries – Steel drill pipe

75.180.20 Procesna oprema

Međunarodna normizacija ISO

- ISO 18796-1:2018
Petroleum, petrochemicals and natural gas industries
– Internal coating and lining of carbon steel process vessels
– Part 1: Technical requirements

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Međunarodna normizacija ISO

- ISO 11299-1:2018
Plastics piping systems for renovation of underground gas supply networks – Part 1: General
- ISO 11299-2:2018
Plastics piping systems for renovation of underground gas supply networks – Part 2: Lining with continuous pipes
- ISO 11299-3:2018
Plastics piping systems for renovation of underground gas supply networks – Part 3: Lining with close-fit pipes
- ISO 15590-1:2018
Petroleum and natural gas industries – Induction bends, fittings and flanges for pipeline transportation systems – Part 1: Induction bends
- ISO 20815:2018
Petroleum, petrochemical and natural gas industries – Production assurance and reliability management
- ISO 21809-1:2018
Petroleum and natural gas industries – External coatings for buried or submerged pipelines used in pipeline transportation systems – Part 1: Polyolefin coatings (3-layer PE and 3-layer PP)

77.040.10 Mehaničko ispitivanje metala

Europska normizacija CEN

- EN ISO 204:2018
Metallic materials – Uniaxial creep testing in tension – Method of test (ISO 204:2018)

77.080.20 Čelici

Međunarodna normizacija ISO

- ISO 4945:2018
Steel – Determination of nitrogen – Spectrophotometric method

77.140.15 Čelici za armiranje betona

Međunarodna normizacija ISO

- ISO 10144:2018
Steels for the reinforcement and prestressing of concrete – Certification scheme for steel bars and wires
- ISO 15835-1:2018
Steels for the reinforcement of concrete – Reinforcement couplers for mechanical splices of bars – Part 1: Requirements
- ISO 15835-2:2018
Steels for the reinforcement of concrete – Reinforcement couplers for mechanical splices of bars – Part 2: Test methods

77.140.75 Čelične cijevi i čelične cijevi za posebnu namjenu

Međunarodna normizacija ISO

- ISO 11961:2018
Petroleum and natural gas industries – Steel drill pipe

77.160 Metalurgija praha

Međunarodna normizacija ISO

- ISO 4022:2018
Permeable sintered metal materials – Determination of fluid permeability

79.040 Drvo, trupci i piljena građa

Međunarodna normizacija ISO

- ISO 9709:2018
Structural timber – Visual strength grading – Basic principles

79.100 Pluto i proizvodi od pluta

Međunarodna normizacija ISO

- ISO 1997:2018
Granulated cork and cork powder – Classification, properties and packing
- ISO 2030:2018
Granulated cork – Size analysis by mechanical sieving
- ISO 10106:2018
Cork stoppers – Determination of global migration

81.040.20 Staklo u graditeljstvu

Međunarodna normizacija ISO

- ISO 19916-1:2018
Glass in building – Vacuum insulating glass – Part 1: Basic specification of products and evaluation methods for thermal and sound insulating performance

83.040.10 Lateks i sirova guma

Međunarodna normizacija ISO

- ISO 24698-1:2018
Rubber, raw – Determination of bound acrylonitrile content in acrylonitrile-butadiene rubber (NBR) – Part 1: Combustion (Dumas) method
- ISO 24698-2:2018
Rubber, raw – Determination of bound acrylonitrile content in acrylonitrile-butadiene rubber (NBR) – Part 2: Kjeldahl method

83.040.20 Sastojci gume

Međunarodna normizacija ISO

- ISO 8332:2018
Rubber compounding ingredients – Sulfur – Methods of test

83.060 Guma

Međunarodna normizacija ISO

- ISO 2782-2:2018
Rubber, vulcanized or thermoplastic – Determination of permeability to gases – Part 2: Equal-pressure method
- ISO 4661-2:2018
Rubber, vulcanized – Preparation of samples and test pieces – Part 2: Chemical tests
- ISO 6101-6:2018
Rubber – Determination of metal content by atomic absorption spectrometry – Part 6: Determination of magnesium content

83.080.01 Plastika općenito

Međunarodna normizacija ISO

- ISO 19935-1:2018
Plastics – Temperature modulated DSC – Part 1: General principles
- ISO 20753:2018
Plastics – Test specimens

83.080.10 Duromerni materijali

Međunarodna normizacija ISO

- ISO 21257:2018
Plastics – Polymer polyols for use in the production of polyurethane – Determination of the residual acrylonitrile and styrene monomer content by gas chromatography

83.080.20 Plastomerni materijali

Europska normizacija CEN

- EN ISO 21970-2:2018
Plastics – Polyketone (PK) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21970-2:2018)

83.140.99 Ostali gumeni i plastični proizvodi

Međunarodna normizacija ISO

- ISO 22762-1:2018
Elastomeric seismic-protection isolators – Part 1: Test methods
- ISO 22762-2:2018
Elastomeric seismic-protection isolators – Part 2: Applications for bridges – Specifications
- ISO 22762-3:2018
Elastomeric seismic-protection isolators – Part 3: Applications for buildings – Specifications

83.160.30 Gume za poljoprivredne i ostale strojeve

Međunarodna normizacija ISO

- ISO 7867-1:2018
Metric series for agricultural, forestry machines and construction tyres – Part 1: Tyre designation, dimensions and marking, and tyre/rim coordination
- ISO 7867-2:2018
Metric series for agricultural, forestry machines and construction tyres – Part 2: Load ratings for agricultural tyres

87.040 Boje i lakovi

Međunarodna normizacija ISO

- ISO 4623-1:2018
Paints and varnishes – Determination of resistance to filiform corrosion – Part 1: Steel substrates
- ISO 7783:2018
Paints and varnishes – Determination of water-vapour transmission properties – Cup method

87.060.20 Veziva

Međunarodna normizacija ISO

- ISO 4629-3:2018
Binders for paints and varnishes – Determination of hydroxyl value – Part 3: Rapid test

91.080.40 Betonske konstrukcije

Međunarodna normizacija ISO

- ISO 10144:2018
Steels for the reinforcement and prestressing of concrete – Certification scheme for steel bars and wires

91.100.10 Cement. Gips. Vapno. Mort

Europska normizacija CEN

- EN 13892-9:2018
Methods of test for screed materials – Part 9: Dimensional stability

91.100.23 Keramičke pločice

Europska normizacija CEN

- EN ISO 10545-2:2018
Ceramic tiles – Part 2: Determination of dimensions and surface quality (ISO 10545-2:2018)

91.100.60 Materijali za toplinsku i zvučnu izolaciju

Europska normizacija CEN

- EN 14064-1:2018
Thermal insulation products for buildings – In-situ formed loose-fill mineral wool (MW) products – Part 1: Specification for the loose-fill products before installation

91.120.25 Zaštita od seizmičkih djelovanja i vibracija

Međunarodna normizacija ISO

- ISO 22762-3:2018
Elastomeric seismic-protection isolators – Part 3: Applications for buildings – Specifications

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija CEN

- EN ISO 29463-2:2018
High-efficiency filters and filter media for removing particles in air – Part 2: Aerosol production, measuring equipment and particle-counting statistics (ISO 29463-2:2011)
- EN ISO 29463-3:2018
High-efficiency filters and filter media for removing particles in air – Part 3: Testing flat sheet filter media (ISO 29463-3:2011)
- EN ISO 29463-4:2018
High-efficiency filters and filter media for removing particles in air – Part 4: Test method for determining leakage of filter elements-Scan method (ISO 29463-4:2011)
- EN ISO 29463-5:2018
High-efficiency filters and filter media for removing particles in air – Part 5: Test method for filter elements (ISO 29463-5:2011)

91.140.50 Sustavi opskrbe električnom energijom

Međunarodna normizacija IEC

- IEC 60364-8-2:2018
Low-voltage electrical installations – Part 8-2: Prosumer's low-voltage electrical installations

91.140.70 Sanitarne instalacije

Europska normizacija CEN

- EN 12764+A1:2018
Sanitary appliances – Specification for whirlpool baths
- EN 14428+A1:2018
Shower enclosures – Functional requirements and test methods

Međunarodna normizacija ISO

- ISO 30500:2018
Non-sewered sanitation systems – Prefabricated integrated treatment units – General safety and performance requirements for design and testing

91.140.80 Odvodni sustavi

Europska normizacija CEN

- EN ISO 11297-3:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 3: Lining with close-fit pipes (ISO 11297-3:2018)

93.020 Zemljani radovi. Iskopavanja. Temeljenje. Podzemni radovi

Europska normizacija CEN

- EN ISO 22476-8:2018
Geotechnical investigation and testing – Field testing – Part 8: Full displacement pressuremeter test (ISO 22476-8:2018)

93.030 Vanjski kanalizacijski sustavi

Europska normizacija CEN

- EN ISO 11297-3:2018
Plastics piping systems for renovation of underground drainage and sewerage networks under pressure – Part 3: Lining with close-fit pipes (ISO 11297-3:2018)

93.040 Mostogradnja

Međunarodna normizacija ISO

- ISO 22762-2:2018
Elastomeric seismic-protection isolators – Part 2: Applications for bridges – Specifications

97.040.10 Kućanski namještaj

Europska normizacija CEN

- EN 13310+A1:2018
Kitchen sinks – Functional requirements and test methods

97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

Međunarodna normizacija ISO

- ISO/TR 19867-3:2018
Clean cookstoves and clean cooking solutions – Harmonized laboratory test protocols – Part 3: Voluntary performance targets for cookstoves based on laboratory testing

97.040.50 Mali kuhinjski uređaji

Europska normizacija CENELEC

- EN 60335-2-74:2003/A11:2018
Household and similar electrical appliances – Safety – Part 2-74: Particular requirements for portable immersion heaters

97.060 Praonički uređaji

Europska normizacija CENELEC

- EN 60335-2-85:2003/A11:2018
Household and similar electrical appliances – Safety – Part 2-85: Particular requirements for fabric steamers

97.080 Uređaji za čišćenje podova

Europska normizacija CENELEC

- EN IEC 62885-5:2018
Surface cleaning appliances – Part 5: High pressure cleaners and steam cleaners for household and commercial use – Methods for measuring performance (IEC 62885-5:2018)

97.100.10 Električni grijači

Europska normizacija CENELEC

- EN 60675:1995/A2:2018
Household electric direct-acting room heaters – Methods for measuring performance (IEC 60675:1994/A2:2018)

97.150 Netekstilni podni prekrivači

Europska normizacija CEN

EN 16354:2018
Laminate floor coverings – Underlays – Specification, requirements and test methods

Međunarodna normizacija ISO

ISO 24343-2:2018
Resilient and laminate floor coverings – Determination of indentation and residual indentation – Part 2: Short-term indentation and residual indentation of resilient floor covering

ISO 24343-3:2018
Resilient and laminate floor coverings – Determination of indentation and residual indentation – Part 3: Indentation of resilient semi-flexible/vinyl composition tiles

97.180 Razna kućanska i gospodarska oprema

Europska normizacija CENELEC

EN 60335-2-55:2003/A11:2018
Household and similar electrical appliances – Safety – Part 2-55: Particular requirements for electrical appliances for use with aquariums and garden ponds

EN 60335-2-59:2003/A11:2018
Household and similar electrical appliances – Safety – Part 2-59: Particular requirements for insect killers

97.220.40 Oprema za sportove na otvorenom i sportove na vodi

Međunarodna normizacija ISO

ISO 6425:2018
Horology – Divers' watches