

Hrvatski zavod za norme

Oglasnik za normativne dokumente

9/2019 rujan, 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 1869:2019 en pr
Vatrogasni pokrivači (EN 1869:2019)
Fire blankets (EN 1869:2019)

HRN EN 13565-1:2019 en pr
Stabilni protupožarni sustavi – Sustavi s pjenom – 1. dio: Zahtjevi i metode ispitivanja dijelova (EN 13565-1:2019)
Fixed firefighting systems – Foam systems – Part 1: Requirements and test methods for components (EN 13565-1:2019)

HRN EN 14972-16:2019 en pr
Stabilni protupožarni sustavi – Sustavi vodene magle – 16. dio: Protokol ispitivanja za industrijske friteze za sustave otvorenih mlaznica (EN 14972-16:2019)
Fixed firefighting systems – Water mist systems – Part 16: Test protocol for industrial oil cookers for open nozzle systems (EN 14972-16:2019)

HRN EN 15182-3:2019 en pr
Prijenosna oprema za stvaranje i nanašanje sredstva za gašenje pomoću vatrogasnih pumpi – Ručne mlaznice za vatrogasnu uporabu – 3. dio: Ručne mlaznice PN 16 s punim mlazom i /ili s jednim fiksnim kutom raspršenog mlaza (EN 15182-3:2019)
Portable equipment for projecting extinguishing agents supplied by firefighting pumps – Hand-held branchpipes for fire service use – Part 3: Smooth bore jet and/or one fixed spray jet angle branchpipes PN 16 (EN 15182-3:2019)

HRN EN 15182-4:2019 en pr
Prijenosna oprema za stvaranje i nanašanje sredstva za gašenje pomoću vatrogasnih pumpi – Ručne mlaznice za vatrogasnu uporabu – 4. dio: Visokotlačne ručne mlaznice PN 40 (EN 15182-4:2019)
Portable equipment for projecting extinguishing agents supplied by firefighting pumps – Hand-held branchpipes for fire service use – Part 4: High pressure branchpipes PN 40 (EN 15182-4:2019)

HZN/TO 28, *Naftni proizvodi i maziva*

HRN EN ISO 3924:2019 en pr
Naftni proizvodi – Određivanje područja destilacije – Metoda plinske kromatografije (ISO 3924:2019; EN ISO 3924:2019)
Petroleum products – Determination of boiling range distribution – Gas chromatography method (ISO 3924:2019; EN ISO 3924:2019)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 15614-1:2017/A1:2019 en pr
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/Amd 1:2019; EN ISO 15614-1:2017/A1:2019)
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/Amd 1:2019; EN ISO 15614-1:2017/A1:2019)

HZN/TO 47, *Kemija*

HRN EN 15154-6:2019 en pr
Sigurnosni tuševi u slučaju opasnosti – 6. dio: Tuševi za tijelo s više mlaznica s priključkom na vodovod za mjesta koja nisu laboratoriji (EN 15154-6:2019)
Emergency safety showers – Part 6: Plumbed-in multiple nozzle body showers for sites other than laboratories (EN 15154-6:2019)

HZN/TO 71, *Beton*

HRN EN 12350-1:2019 en pr
Ispitivanje svježega betona – 1. dio: Uzorkovanje i uobičajena oprema (EN 12350-1:2019)
Testing fresh concrete – Part 1: Sampling and common apparatus (EN 12350-1:2019)

HRN EN 12350-2:2019 en pr
Ispitivanje svježega betona – 2. dio: Ispitivanje slijeganjem (EN 12350-2:2019)
Testing fresh concrete – Part 2: Slump-test (EN 12350-2:2019)

HRN EN 12350-3:2019 en pr
Ispitivanje svježega betona – 3. dio: Vebe ispitivanje (EN 12350-3:2019)
Testing fresh concrete – Part 3: Vebe test (EN 12350-3:2019)

HRN EN 12350-4:2019 en pr
Ispitivanje svježega betona – 4. dio: Stupanj zbijenosti (EN 12350-4:2019)
Testing fresh concrete – Part 4: Degree of compactability (EN 12350-4:2019)

HRN EN 12350-5:2019 en pr
Ispitivanje svježega betona – 5. dio: Ispitivanje rasprostriranjem (EN 12350-5:2019)
Testing fresh concrete – Part 5: Flow table test (EN 12350-5:2019)

HRN EN 12350-6:2019 en pr
Ispitivanje svježega betona – 6. dio: Gustoća (EN 12350-6:2019)
Testing fresh concrete – Part 6: Density (EN 12350-6:2019)

HRN EN 12350-7:2019 en pr
Ispitivanje svježega betona – 7. dio: Sadržaj pora – Tlačne metode (EN 12350-7:2019)
Testing fresh concrete – Part 7: Air content – Pressure methods (EN 12350-7:2019)

HRN EN 12350-8:2019 en pr
Ispitivanje svježega betona – 8. dio: Samozbijajući beton – Ispitivanje rasprostriranja slijeganjem (EN 12350-8:2019)
Testing fresh concrete – Part 8: Self-compacting concrete – Slump-flow test (EN 12350-8:2019)

HRN EN 12390-2:2019 en pr
Ispitivanje očvrsluloga betona – 2. dio: Izrada i njega ispitnih uzoraka za ispitivanja čvrstoće (EN 12390-2:2019)
Testing hardened concrete – Part 2: Making and curing specimens for strength tests (EN 12390-2:2019)

HRN EN 12390-3:2019 en pr
Ispitivanje očvrsluloga betona – 3. dio: Tlačna čvrstoća ispitnih uzoraka (EN 12390-3:2019)
Testing hardened concrete – Part 3: Compressive strength of test specimens (EN 12390-3:2019)

HRN EN 12390-5:2019 en pr
Ispitivanje očvrsluloga betona – 5. dio: Čvrstoća ispitnih uzoraka na savijanje (EN 12390-5:2019)
Testing hardened concrete – Part 5: Flexural strength of test specimens (EN 12390-5:2019)

HRN EN 12390-7:2019 en pr
Ispitivanje očvrsluloga betona – 7. dio: Gustoća očvrsluloga betona (EN 12390-7:2019)
Testing hardened concrete – Part 7: Density of hardened concrete (EN 12390-7:2019)

HRN EN 12390-8:2019 en pr
Ispitivanje očvrsluloga betona – 8. dio: Dubina prodora vode pod tlakom (EN 12390-8:2019)
Testing hardened concrete – Part 8: Depth of penetration of water under pressure (EN 12390-8:2019)

HRN EN 12390-15:2019 en pr
Ispitivanje očvršnuologa betona – 15. dio: Adijabatska metoda za određivanje topline oslobođene za vrijeme procesa očvršćivanja betona (EN 12390-15:2019)
Testing hardened concrete – Part 15: Adiabatic method for the determination of heat released by concrete during its hardening process (EN 12390-15:2019)

HRN EN 12504-1:2019 en pr
Ispitivanje betona u konstrukcijama – 1. dio: Izvađeni ispitni uzorci – Uzimanje, pregled i ispitivanje tlačne čvrstoće (EN 12504-1:2019)
Testing concrete in structures – Part 1: Cored specimens – Taking; examining and testing in compression (EN 12504-1:2019)

HRN EN 13791:2019 en pr
Ocjena in-situ tlačne čvrstoće u konstrukcijama i predgotovljenim betonskim dijelovima (EN 13791:2019)
Assessment of in-situ compressive strength in structures and precast concrete components (EN 13791:2019)

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

HRN EN 17066-1:2019 en pr
Transportna sredstva s izoliranim prostorom za temperaturno osjetljivu robu – Zahtjevi i ispitivanja – 1. dio: Kontejner (EN 17066-1:2019)
Insulated means of transport for temperature sensitive goods – Requirements and testing – Part 1: Container (EN 17066-1:2019)

HZN/TO 92, Zaštita od požara

HRN EN 13381-7:2019 en pr
Metode ispitivanja za određivanje doprinosa otpornosti na požar konstrukcijskih elemenata – 7. dio: Zaštita primijenjena na drvenim elementima (EN 13381-7:2019)
Test methods for determining the contribution to the fire resistance of structural members – Part 7: Applied protection to timber members (EN 13381-7:2019)

HRN EN 15254-3:2019 en pr
Proširena primjena rezultata ispitivanja otpornosti na požar – Nenosivi zidovi – 3. dio: Lagani pregradni zidovi (EN 15254-3:2019)
Extended application of results from fire resistance tests – Non-loadbearing walls – Part 3: Lightweight partitions (EN 15254-3:2019)

HRN EN 15269-1:2019 en pr
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 1. dio: Opći zahtjevi (EN 15269-1:2019)
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 1: General requirements (EN 15269-1:2019)

HZN/TO 130, Grafička tehnologija

HRN ISO 17972-3:2019 en pr
Grafička tehnologija – Format razmjene kolornih podataka (Cx/F/X) – 3. dio: Ciljna testna polja (Cx/F/X – 3) (ISO 17972-3:2017)
Graphic technology – Colour data exchange format (Cx/F/X) – Part 3: Output target data (Cx/F/X-3) (ISO 17972-3:2017)

HRN ISO 17972-4:2019 en pr
Grafička tehnologija – Format razmjene kolornih podataka (Cx/F/X) – 4. dio: Karakterizacija podataka spot boja (ISO 17972-4:2018)
Graphic technology – Colour data exchange format (Cx/F/X) – Part 4: Spot colour characterisation data (Cx/F/X-4) (ISO 17972-4:2018)

HZN/TO 134, Gnojiva i poboljšivači tla

HRN EN 17246:2019 en pr
Gnojiva – Određivanje perklorata u mineralnim gnojivima ionskom kromatografijom s utvrđivanjem vodljivosti (IC-CD) (EN 17246:2019)
Fertilizers – Determination of perchlorate in mineral fertilizers by ion chromatography and conductivity detection (IC-CD) (EN 17246:2019)

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

HRN EN 17150:2019 en pr
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i akumulaciju nepitke vode – Metoda ispitivanja za određivanje kratkotrajne tlačne otpornosti spremnika (EN 17150:2019)
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Test method for determination of short-term compression strength of boxes (EN 17150:2019)

HRN EN 17151:2019 en pr
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i akumulaciju nepitke vode – Metoda ispitivanja za određivanje dugotrajne tlačne otpornosti spremnika (EN 17151:2019)
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Test method for determination of long-term compression strength of boxes (EN 17151:2019)

HRN EN 17152-1:2019 en pr
Plastični cijevni sustavi za netlačnu podzemnu odvodnju i akumulaciju nepitke vode – Spremnici za sustave ispuštanja, privremene i trajne akumulacije – 1. dio: Specifikacije za spremnike za oborinsku vodu od PP i PVC-U (EN 17152-1:2019)
Plastics piping systems for non-pressure underground conveyance and storage of non-potable water – Boxes used for infiltration, attenuation and storage systems – Part 1: Specifications for storm water boxes made of PP and PVC-U (EN 17152-1:2019)

HZN/TO 146, Kvaliteta zraka

HRN EN 13098:2019 en pr
Profesionalna izloženost – Mjerenje mikroorganizama i mikrobnih komponenti u zraku – Opći zahtjevi (EN 13098:2019)
Workplace exposure – Measurement of airborne micro-organisms and microbial compounds – General requirements (EN 13098:2019)

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

HRS ISO/TS 12869:2019 en pr
Kvaliteta vode – Detekcija i kvantifikacija vrste Legionella spp. i/ili Legionella pneumophila iz koncentriranog uzorka metodom lančane reakcije polimerazom u stvarnom vremenu (qPCR) (ISO/TS 12869:2019)
Water quality – Detection and quantification of Legionella spp. and/or Legionella pneumophila by concentration and genic amplification by quantitative polymerase chain reaction (qPCR) (ISO/TS 12869:2019)

HZN/TO 159, Ergonomija

HRN EN ISO 9241-210:2019 en pr
Ergonomija interakcije čovjek-sustav – 210. dio: Dizajn interaktivnih sustava prilagođenih ljudima (ISO 9241-210:2019; EN ISO 9241-210:2019)
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2019; EN ISO 9241-210:2019)

HRN EN ISO 10551:2019 en pr
Ergonomija fizičkog okruženja – Ljestvice za subjektivnu procjenu fizičkog okruženja (ISO 10551:2019; EN ISO 10551:2019)
Ergonomics of the physical environment – Subjective judgement scales for assessing physical environments (ISO 10551:2019; EN ISO 10551:2019)

HZN/TO 163, Toplinska izolacija

HRN EN 13494:2019 en pr
Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje vlačne čvrstoće prionljivosti ljepila i temeljnog sloja na toplinsko-izolacijskom materijalu (EN 13494:2019)
Thermal insulation products for building applications – Determination of the tensile bond strength of the adhesive and of the base coat to the thermal insulation material (EN 13494:2019)

HRN EN 13495:2019 en pr
Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje otpornosti na čupanje povezanih sustava za vanjsku toplinsku izolaciju (ETICS) (ispitivanje pjenastim blokom) (EN 13495:2019)
Thermal insulation products for building applications – Determination of the pull-off resistance of external thermal insulation composite systems (ETICS) (foam block test) (EN 13495:2019)

HRN EN 15101-1:2019 en pr
Toplinsko-izolacijski proizvodi za zgrade – Na mjestu oblikovani izolacijski proizvodi od celuloznog punila (LFCI) – 1. dio: Specifikacija za proizvode prije ugradnje (EN 15101-1:2013+A1:2019)
Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCI) products – Part 1: Specification for the products before installation (EN 15101-1:2013+A1:2019)

HRN EN ISO 16535:2019 en pr
Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje dugotrajne vodoupojnosti pri uranjanju (ISO 16535:2019; EN ISO 16535:2019)
Thermal insulating products for building applications – Determination of long-term water absorption by immersion (ISO 16535:2019; EN ISO 16535:2019)

HRN EN ISO 16536:2019 en pr
Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje dugotrajne vodoupojnosti pri difuziji (ISO 16536:2019; EN ISO 16536:2019)
Thermal insulating products for building applications – Determination of long-term water absorption by diffusion (ISO 16536:2019; EN ISO 16536:2019)

HRN EN ISO 29767:2019 en pr
Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje kratkotrajne vodoupojnosti kod kratkotrajnog djelomičnog uranjanja (ISO 29767:2019; EN ISO 29767:2019)
Thermal insulating products for building applications – Determination of short-term water absorption by partial immersion (ISO 29767:2019; EN ISO 29767:2019)

HZN/TO 165, Drvene konstrukcije

HRN EN 14081-1:2019 en pr
Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 1. dio: Opći zahtjevi (EN 14081-1:2016+A1:2019)
Timber structures – Strength graded structural timber with rectangular cross section – Part 1: General requirements (EN 14081-1:2016+A1:2019)

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 14880-1:2019 en pr
Optika i fotonika – Plošni sustavi mikroleća – 1. dio: Terminološki rječnik (ISO 14880-1:2019; EN ISO 14880-1:2019)
Optics and photonics – Microlens arrays – Part 1: Vocabulary (ISO 14880-1:2019; EN ISO 14880-1:2019)

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

HRN EN 81-80:2019 en pr
Sigurnosna pravila za konstrukciju i ugradnju dizala – Postojeća dizala – 80. dio: Pravila za povećanje sigurnosti postojećih osobnih i osobnih teretnih dizala (EN 81-80:2019)
Safety rules for the construction and installation of lifts – Existing lifts – Part 80: Rules for the improvement of safety of existing passenger and goods passenger lifts (EN 81-80:2019)

HZN/TO 196, Prirodni kamen

HRN EN 12407:2019 en pr
Metode ispitivanja prirodnog kamena – Petrografsko ispitivanje (EN 12407:2019)
Natural stone test methods – Petrographic examination (EN 12407:2019)

HRN EN 12670:2019 en pr
Prirodni kamen – Nazivlje (EN 12670:2019)
Natural stone – Terminology (EN 12670:2019)

HZN/TO 218, Drvo

HRN EN 844:2019 en,fr,de pr
Oblo i piljeno drvo – Nazivlje (EN 844:2019)
Round and sawn timber – Terminology (EN 844:2019)

HZN/TO 221, Geosintetici

HRN EN ISO 11058:2019 en pr
Geotekstil i proizvodi srodnih s geotekstilom – Određivanje vodopropusnosti okomito na ravninu, bez opterećenja (ISO 11058:2019; EN ISO 11058:2019)
Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2019; EN ISO 11058:2019)

HRN EN 14150:2019 en pr
Geosintetičke barijere – Određivanje propusnosti tekućina (EN 14150:2019)
Geosynthetic barriers – Determination of permeability to liquids (EN 14150:2019)

HZN/TO 503, Metalni materijali

HRN EN 573-3:2019 en pr
Aluminij i aluminijeve legure – Kemijski sastav i oblik gnječanih proizvoda – 3. dio: Kemijski sastav i oblik proizvoda (EN 573-3:2019)
Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products (EN 573-3:2019)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN 12954:2019 en pr
Opća načela katodne zaštite ukopanih ili uronjenih kopnenih metalnih konstrukcija (EN 12954:2019)
General principles of cathodic protection of buried or immersed onshore metallic structures (EN 12954:2019)

HZN/TO 505, Prijenos i distribucija plina

HRN EN 334:2019 en pr
Regulatori tlaka za ulazni tlak plina do 100 bara (EN 334:2019)
Gas pressure regulators for inlet pressure up to 10 MPa (100 bar) (EN 334:2019)

HRN EN 14382:2019 en pr
Sigurnosni zaporni uređaji za ulazni tlak plina do 100 bara (EN 14382:2019)
Gas safety shut-off devices for inlet pressure up to 100 bar (EN 14382:2019)

HRN EN ISO 21593:2019 en pr
Brodovi i pomorska tehnologija – Tehnički zahtjevi za sustav spajanja i odvajanja bez izlivanja pri pretakanju ukapljenoga prirodnog plina (ISO 21593:2019; EN ISO 21593:2019)
Ship and marine technology – Technical requirements for dry-disconnect/connect couplings for bunkering liquefied natural gas (ISO 21593:2019; EN ISO 21593:2019)

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

HRN EN ISO 13679:2019 en pr
Industrija nafte i prirodnoga plina – Postupci za ispitivanje spojnice zaštitnih i proizvodnih cijevi (ISO 13679:2019; EN ISO 13679:2019)
Petroleum and natural gas industries – Procedures for testing casing and tubing connections (ISO 13679:2019; EN ISO 13679:2019)

HRN EN ISO 19906:2019 en pr
Industrija nafte i prirodnoga plina – Odobalni objekti na Arktiku (ISO 19906:2019; EN ISO 19906:2019)
Petroleum and natural gas industries – Arctic offshore structures (ISO 19906:2019; EN ISO 19906:2019)

HZN/TO 508, Ambalaža i pakiranje

HRI CEN/TR 13695-2:2019 en pr
Ambalaža – Zahtjevi za mjerenje i ovjeravanje četiriju teških metala i drugih opasnih tvari prisutnih u ambalaži i njihovo otpuštanje u okoliš – 2. dio: Zahtjevi za mjerenje i ovjeravanje opasnih tvari prisutnih u ambalaži i njihovo otpuštanje u okoliš (CEN/TR 13695-2:2019)
Packaging – Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging, and their release into the environment – Part 2: Requirements for measuring and verifying dangerous substances present in packaging, and their release into the environment (CEN/TR 13695-2:2019)

HRN EN 17220:2019 en pr
Ambalaža – Savitljive aluminijske tube – Nastavak tube
(EN 17220:2019)
Packaging – Flexible aluminium tubes – Tube nozzles
(EN 17220:2019)

HZN/TO 509, Cestovna oprema

HRN EN 12767:2019 en pr
Pasivna sigurnost nosača cestovne opreme – Zahtjevi i metode ispitivanja (EN 12767:2019)
Passive safety of support structures for road equipment – Requirements and test methods (EN 12767:2019)

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN 13757-4:2019 en pr
Komunikacijski sustavi za mjerila – 4. dio: Komunikacija bežičnim sustavom M-Bus (EN 13757-4:2019)
Communication systems for meters – Part 4: Wireless M-Bus communication (EN 13757-4:2019)

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 15102:2019 en pr
Dekorativni zidni pokrovi – Role (EN 15102:2019)
Decorative wall coverings – Roll form (EN 15102:2019)

HZN/TO 521, Usluge održavanja

HRN EN 15341:2019 en pr
Održavanje – Ključni pokazatelji učinkovitosti održavanja (EN 15341:2019)
Maintenance – Maintenance Key Performance Indicators (EN 15341:2019)

HZN/TO 524, Inteligentni transportni sustavi

HRI CEN/TR 12896-9:2019 en pr
Javni prijevoz – Referentni model podataka – 9. dio: Dokumentacija o informacijama (CEN/TR 12896-9:2019)
Public transport – Reference data model – Part 9: Informative documentation (CEN/TR 12896-9:2019)

HRN EN ISO 17573-1:2019 en pr
Elektronička naplata – Arhitektura sustava za naplatu cestarina za vozila – 1. dio: Referentni model (ISO 17573-1:2019; EN ISO 17573-1:2019)
Electronic fee collection – System architecture for vehicle related tolling – Part 1: Reference model (ISO 17573-1:2019; EN ISO 17573-1:2019)

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

HRN EN 507:2019 en pr
Proizvodi od lima za pokrivanje krovova i oblaganje zidova – Specifikacija za nenosive proizvode od aluminijskog lima (EN 507:2019)
Roofing and cladding products from metal sheet – Specification for fully supported products of aluminium sheet (EN 507:2019)

HRN EN 508-2:2019 en pr
Proizvodi od lima za pokrivanje krovova i oblaganje zidova – Specifikacija za samonosive proizvode od čeličnog, aluminijskog ili nehrđajućeg čeličnog lima – 2. dio: Aluminij (EN 508-2:2019)
Roofing and cladding products from metal sheet – Specification for self-supporting products of steel, aluminium or stainless steel sheet – Part 2: Aluminium (EN 508-2:2019)

HRN EN 1849-2:2019 en pr
Savitljive hidroizolacijske trake – Određivanje debljine i mase po jedinici površine – 2. dio: Plastične i elastomerne hidroizolacijske trake (EN 1849-2:2019)
Flexible sheets for waterproofing – Determination of thickness and mass per unit area – Part 2: Plastics and rubber sheets for roof waterproofing (EN 1849-2:2019)

HZN/TO 528, Oprema za željeznice

HRN EN 15152:2019 en pr
Željeznički sustav – Vjetrobranska stakla za vlakove (EN 15152:2019)
Railway applications – Windscreens for trains (EN 15152:2019)

HZN/TO 531, Plastika i guma

HRN EN ISO 1403:2019 en pr
Gumena crijeva ojačana tekstilom opće namjene za vodu – Specifikacija (ISO 1403:2019; EN ISO 1403:2019)
Rubber hoses, textile-reinforced, for general-purpose water applications – Specification (ISO 1403:2019; EN ISO 1403:2019)

HRN EN ISO 4577:2019 en pr
Plastika – Polipropilen i kopolimeri polipropilena – Određivanje termooksidacijske postojanosti u zraku – Metoda u peći (ISO 4577:2019; EN ISO 4577:2019)
Plastics – Polypropylene and propylene-copolymers – Determination of thermal oxidative stability in air – Oven method (ISO 4577:2019; EN ISO 4577:2019)

HRN EN ISO 11833-1:2019 en pr
Plastika – Neomekšane poli(vinil-kloridne) ploče – 1. dio: Tipovi, dimenzije i karakteristike za ploče debljine veće od 1 mm (ISO 11833-1:2019; EN ISO 11833-1:2019)
Plastics – Unplasticized poly(vinyl chloride) sheets – Part 1: Types, dimensions and characteristics for sheets of thickness not less than 1 mm (ISO 11833-1:2019; EN ISO 11833-1:2019)

HRN EN ISO 11963:2019 en pr
Plastika – Polikarbonatne ploče – Vrste, dimenzije i karakteristike (ISO 11963:2019; EN ISO 11963:2019)
Plastics – Polycarbonate sheets – Types, dimensions and characteristics (ISO 11963:2019; EN ISO 11963:2019)

HRN EN 13100-2:2019 en pr
Nerazorno ispitivanje zavarenih spojeva u plastomernim poluproizvodima – 2. dio: Rendgensko radiografsko ispitivanje (EN 13100-2:2019)
Non-destructive testing of welded joints in thermoplastics semi-finished products – Part 2: X-ray radiographic testing (EN 13100-2:2019)

HRN EN ISO 21970-1:2019 en pr
Plastika – Poliketone (PK) materijali za kalupljenje i ekstruziju – 1. dio: Sustav označavanja i osnova za specifikacije (ISO 21970-1:2019; EN ISO 21970-1:2019)
Plastics – Polyketone (PK) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21970-1:2019; EN ISO 21970-1:2019)

HRN EN ISO 21970-2:2019 en pr
Plastika – Poliketone (PK) materijali za kalupljenje i ekstruziju – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 21970-2:2019; EN ISO 21970-2:2019)
Plastics – Polyketone (PK) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21970-2:2019; EN ISO 21970-2:2019)

HZN/TO 532, Dimnjaci

HRN EN 13384-1:2019 en pr
Dimnjaci – Metode toplinskog proračuna i proračuna dinamike fluida – 1. dio: Dimnjaci s jednim uređajem za loženje (EN 13384-1:2015+A1:2019)
Chimneys – Thermal and fluid dynamic calculation methods – Part 1: Chimneys serving one heating appliance (EN 13384-1:2015+A1:2019)

HRN EN 13384-2:2019 en pr
Dimnjaci – Metode toplinskog proračuna i proračuna dinamike fluida – 2. dio: Dimnjaci s više uređaja za loženje (EN 13384-2:2015+A1:2019)
Chimneys – Thermal and fluid dynamic calculation methods – Part 2: Chimneys serving more than one heating appliance (EN 13384-2:2015+A1:2019)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-2:2019 en pr
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 2. dio: Određivanje granulometrijskog sastava (EN 12697-2:2015+A1:2019)
Bituminous mixtures – Test methods – Part 2: Determination of particle size distribution (EN 12697-2:2015+A1:2019)

HRN EN 13036-5:2019 en pr
Površinska svojstva cesta i aerodromskih operativnih površina – Metode ispitivanja – 5. dio: Određivanje indeksa uzdužne neravnosti (EN 13036-5:2019)
Road and airfield surface characteristics – Test methods – Part 5: Determination of longitudinal unevenness indices (EN 13036-5:2019)

HZN/TO 534, Spremnici za teret

HRN EN 14564:2019 en pr
Spremnici za prijevoz opasnih tvari – Nazivlje (EN 14564:2019)
Tanks for transport of dangerous goods – Terminology (EN 14564:2019)

HZN/TO 535, Agregati

HRN EN 13383-2:2019 en pr
Kamenozaštite – 2. dio: Metode ispitivanja (EN 13383-2:2019)
Armourstone – Part 2: Test methods (EN 13383-2:2019)

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

HRN EN 1527:2019 en pr
Građevni okovi – Okovi za klizna i složiva vrata – Zahtjevi i metode ispitivanja (EN 1527:2019)
Building hardware – Hardware for sliding doors and folding doors – Requirements and test methods (EN 1527:2019)

HRN EN 12150-1:2019 en pr
Staklo u graditeljstvu – Toplinski kaljeno natrij-kalcij-silikatno sigurnosno staklo – 1. dio: Definicija i opis (EN 12150-1:2015+A1:2019)
Glass in building – Thermally toughened soda lime silicate safety glass – Part 1: Definition and description (EN 12150-1:2015+A1:2019)

HRN EN 12758:2019 en pr
Staklo u graditeljstvu – Ostakljenje i izolacija od zvuka prenošenog zrakom – Opisi proizvoda, određivanje svojstava i proširena pravila (EN 12758:2019)
Glass in building – Glazing and airborne sound insulation – Product descriptions, determination of properties and extension rules (EN 12758:2019)

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

HRN EN ISO 8560:2019 en pr
Tehnički crteži – Građevinski crteži – Prikaz modularnih mjera, crta i mreža (ISO 8560:2019; EN ISO 8560:2019)
Technical drawings – Construction drawings – Representation of modular sizes, lines and grids (ISO 8560:2019; EN ISO 8560:2019)

HRN EN ISO 25178-73:2019 en pr
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 73. dio: Nazivlje i definicije za površinske pogreške na kalibracijskim uzorcima (ISO 25178-73:2019; EN ISO 25178-73:2019)
Geometrical product specifications (GPS) – Surface texture: Areal – Part 73: Terms and definitions for surface defects on material measures (ISO 25178-73:2019; EN ISO 25178-73:2019)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 1276:2019 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu bakterioidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 1276:2019)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1) (EN 1276:2019)

HRN EN 1650:2019 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 1650:2019)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1) (EN 1650:2019)

HRN EN 13697:2019 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini za procjenu bakterioidne i/ili fungicidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi bez mehaničkog djelovanja (faza 2, korak 2) (EN 13697:2015+A1:2019)
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test method and requirements without mechanical action (phase 2, step 2) (EN 13697:2015+A1:2019)

HRN EN 14476:2019 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu virucidne djelotvornosti u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 14476:2013+A2:2019)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical area – Test method and requirements (Phase 2/Step 1) (EN 14476:2013+A2:2019)

HZN/TO 549, Svjetlo i rasvjeta

HRN EN 13032-4:2019 en pr
Svjetlo i rasvjeta – Mjerenje i prikaz fotometrijskih podataka žarulja i svjetiljki – 4. dio: LED žarulje, moduli i svjetiljke (EN 13032-4:2015+A1:2019)
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 4: LED lamps, modules and luminaires (EN 13032-4:2015+A1:2019)

HZN/TO 551, Gradnja

HRN EN ISO 16757-1:2019 en pr
Strukture podataka za elektroničke kataloge proizvoda za građevinske usluge – 1. dio: Koncepti, arhitektura i model (ISO 16757-1:2015; EN ISO 16757-1:2019)
Data structures for electronic product catalogues for building services – Part 1: Concepts, architecture and model (ISO 16757-1:2015; EN ISO 16757-1:2019)

HRN EN ISO 16757-2:2019 en pr
Strukture podataka za elektroničke kataloge proizvoda za građevinske usluge – 2. dio: Geometrija (ISO 16757-2:2016; EN ISO 16757-2:2019)
Data structures for electronic product catalogues for building services – Part 2: Geometry (ISO 16757-2:2016; EN ISO 16757-2:2019)

HZN/TO 553, Predgotovljeni proizvodi

HRN EN 33:2019 en pr
WC školjke i WC garniture – Priklučne dimenzije (EN 33:2019)
WC pans and WC suites – Connecting dimensions (EN 33:2019)

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 11393-5:2019 en pr
Zaštitna odjeća za korisnike ručnih lančanih pila – 5. dio: Zahtjevi za svojstva i metode ispitivanja za zaštitne gamaše (ISO 11393-5:2018; EN ISO 11393-5:2019)
Protective clothing for users of hand-held chainsaws – Part 5: Performance requirements and test methods for protective gaiters (ISO 11393-5:2018; EN ISO 11393-5:2019)

HRN EN ISO 11393-6:2019 en pr
Zaštitna odjeća za korisnike ručnih lančanih pila – 6. dio: Zahtjevi za svojstva i metode ispitivanja štitnika za gornji dio tijela (ISO 11393-6:2018; EN ISO 11393-6:2019)
Protective clothing for users of hand-held chainsaws – Part 6: Performance requirements and test methods for upper body protectors (ISO 11393-6:2018; EN ISO 11393-6:2019)

HRI CEN/TR 14560:2019 en pr
Smjernice za izbor, uporabu, njegu i održavanje odjeće za zaštitu od topline i plamena (CEN/TR 14560:2018)
Guidance for selection, use, care and maintenance of protective clothing against heat and flame (CEN/TR 14560:2018)

HZN/TO 558, Zaštita dišnih putova

HRN EN 13274-2:2019 en pr
Zaštitne naprave za disanje – Metode ispitivanja – 2. dio: Ispitivanja svojstava u praksi (EN 13274-2:2019)
Respiratory protective devices – Methods of test – Part 2: Practical performance tests (EN 13274-2:2019)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

- HRN EN ISO 16135:2007/A1:2019 en pr
Industrijski zaporni uređaji – Kuglaste slavine od termoplastičnih materijala (ISO 16135:2006/Amd 1:2019; EN ISO 16135:2006/A1:2019)
Industrial valves – Ball valves of thermoplastics materials (ISO 16135:2006/Amd 1:2019; EN ISO 16135:2006/A1:2019)
- HRN EN ISO 16136:2007/A1:2019 en pr
Industrijski zaporni uređaji – Leptiraste zaklopke od termoplastičnih materijala (ISO 16136:2006/Amd 1:2019; EN ISO 16136:2006/A1:2019)
Industrial valves – Butterfly valves of thermoplastics materials (ISO 16136:2006/Amd 1:2019; EN ISO 16136:2006/A1:2019)
- HRN EN ISO 16137:2007/A1:2019 en pr
Industrijski zaporni uređaji – Protupovratni zaporni uređaji od termoplastičnih materijala (ISO 16137:2006/Amd 1:2019; EN ISO 16137:2006/A1:2019)
Industrial valves – Check valves of thermoplastics materials (ISO 16137:2006/Amd 1:2019; EN ISO 16137:2006/A1:2019)
- HRN EN ISO 16138:2007/A1:2019 en pr
Industrijski zaporni uređaji – Membranski zaporni uređaji od termoplastičnih materijala (ISO 16138:2006/Amd 1:2019; EN ISO 16138:2006/A1:2019)
Industrial valves – Diaphragm valves of thermoplastics materials (ISO 16138:2006/Amd 1:2019; EN ISO 16138:2006/A1:2019)
- HRN EN ISO 16139:2007/A1:2019 en pr
Industrijski zaporni uređaji – Zasuni od termoplastičnih materijala (ISO 16139:2006/Amd 1:2019; EN ISO 16139:2006/A1:2019)
Industrial valves – Gate valves of thermoplastics materials (ISO 16139:2006/Amd 1:2019; EN ISO 16139:2006/A1:2019)
- HRN EN ISO 21787:2007/A1:2019 en pr
Industrijski zaporni uređaji – Ventilni od termoplastičnih materijala (ISO 21787:2006/Amd 1:2019; EN ISO 21787:2006/A1:2019)
Industrial valves – Globe valves of thermoplastics materials (ISO 21787:2006/Amd 1:2019; EN ISO 21787:2006/A1:2019)

HZN/TO 560, Tekstilni proizvodi

- HRN EN ISO 9554:2019 en pr
Vlaknasta užad – Opće specifikacije (ISO 9554:2019; EN ISO 9554:2019)
Fibre ropes – General specifications (ISO 9554:2019; EN ISO 9554:2019)

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

- HRN EN 303-6:2019 en pr
Toplovodni kotlovi – 6. dio: Toplovodni kotlovi s predlačnim plamenicima – Posebni zahtjevi za pripremu potrošne tople vode i energijska svojstva grijalica vode i kombiniranih kotlova s predlačnim plamenicima na raspršeno ulje nazivnog toplinskog opterećenja do 70 kW (EN 303-6:2019)
Heating boilers – Part 6: Heating boilers with forced draught burners – Specific requirements for the domestic hot water operation and energy performance of water heaters and combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW (EN 303-6:2019)
- HRN EN ISO 10462:2014/A1:2019 en pr
Plinske boce – Boce za acetylen – Periodični pregled i održavanje (ISO 10462:2013/DAmD 1:2018; EN ISO 10462:2013/A1:2019)
Gas cylinders – Acetylene cylinders – Periodic inspection and maintenance (ISO 10462:2013/DAmD 1:2018; EN ISO 10462:2013/A1:2019)
- HRN EN 13487:2019 en pr
Izmjenjivači topline – Kondenzatori rashladnog sredstva i suhih hladnjaka hlađenih prisilnom konvekcijom zraka – Mjerenje buke (EN 13487:2019)
Heat exchanger – Forced convection air cooled refrigerant condensers and dry coolers – Sound measurement (EN 13487:2019)

HZN/TO 569, Hrana za životinje

- HRN EN 17212:2019 en pr
Hrana za životinje: Metode uzorkovanja i analize – Određivanje sadržaja melamina i cijanurne kiseline tekućinskom kromatografijom uz detekciju spektrometrijom masa (LC-MS/MS) (EN 17212:2019)
Animal Feeding stuffs: Methods of sampling and analysis – Determination of melamine and cyanuric acid content by liquid chromatographic method with mass spectrometric detection (LC-MS/MS) (EN 17212:2019)
- HRN EN 17294:2019 en pr
Hrana za životinje – Metode uzorkovanja i analize – Određivanje organskih kiselina ionskom kromatografijom s utvrđivanjem vodljivosti (IC-CD) (EN 17294:2019)
Animal feeding stuffs: Methods of sampling and analysis – Determination of organic acids by Ion Chromatography with Conductivity Detection (IC-CD) (EN 17294:2019)
- HRN EN 17298:2019 en pr
Hrana za životinje – Metode uzorkovanja i analize – Određivanje benzojeve i sorbinske kiseline tekućinskom kromatografijom visokog učinka (HPLC) (EN 17298:2019)
Animal feeding stuffs – Methods of sampling and analysis – Determination of benzoic and sorbic acid by High Performance Liquid Chromatography (HPLC) (EN 17298:2019)
- HRN EN 17299:2019 en pr
Hrana za životinje: Metode uzorkovanja i analize – Provjera i određivanje odobrenih kokcidostatika na razini aditiva i unakrsne kontaminacije 1 % i 3 % te neregistriranih kokcidostatika i jednog antibiotika na razini nižoj od aditiva u hrani za životinje spregnutom tehnikom tekućinske kromatografije – Tandemska spektrometrija masa (LC-MS/MS) (EN 17299:2019)
Animal feeding stuffs: Methods of sampling and analysis – Screening and determination of authorized coccidiostats at additive and 1 % and 3 % cross-contamination level, and of non-registered coccidiostats and of one antibiotic at sub-additive levels, in compound feed with High Performance Liquid Chromatography – Tandem Mass Spectrometry detection (LC-MS/MS) (EN 17299:2019)

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

- HRN EN 893:2019 en pr
Planinarska oprema – Dereze – Sigurnosni zahtjevi i metode ispitivanja (EN 893:2019)
Mountaineering equipment – Crampons – Safety requirements and test methods (EN 893:2019)

HZN/TO E9, Električna oprema za željeznicu

- HRS CLC/TS 50238-3:2019 en pr
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 3. dio: Kompatibilnost s brojačima osovina (CLC/TS 50238-3:2019)
Railway applications – Compatibility between rolling stock and train detection systems – Part 3: Compatibility with axle counters (CLC/TS 50238-3:2019)

HZN/TO E20, Električni kabeli

- HRN HD 605 S3:2019 en pr
Električni kabeli – Dodatne ispitne metode (HD 605 S3:2019)
Electric cables – Additional test methods (HD 605 S3:2019)
- HRN EN IEC 60331-1:2019 en pr
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 1. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji prelaze vanjski promjer 20 mm (IEC 60331-1:2018; EN IEC 60331-1:2019)
Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830°C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm (IEC 60331-1:2018; EN IEC 60331-1:2019)
- HRN EN IEC 60754-3:2019 en pr
Ispitivanje plinova razvijenih pri izgaranju kabelskog materijala – 3. dio: Mjerenje niske razine halogenog sadržaja ionskom kromatografijom (IEC 60754-3:2018; EN IEC 60754-3:2019)
Test on gases evolved during combustion of materials from cables – Part 3: Measurement of low level of halogen content by ion chromatography (IEC 60754-3:2018; EN IEC 60754-3:2019)

HZN/TO E31, *Eksplzivne atmosfere*

HRN EN 1127-1:2019 en pr
Eksplzivne atmosfere – Sprječavanje i zaštita od eksplozije – 1. dio: Osnovna načela i metodologija (EN 1127-1:2019)
Explosive atmospheres – Explosion prevention and protection – Part 1: Basic concepts and methodology (EN 1127-1:2019)

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

HRN EN 60061-3:2008/A56:2019 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 3. dio: Granična mjerila (IEC 60061-3:1969/am56:2019; EN 60061-3:1993/A56:2019)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 3: Gauges (IEC 60061-3:1969/am56:2019; EN 60061-3:1993/A56:2019)

HRN EN 62035:2015/A1:2019 en pr
Žarulje s izbojem (osim fluorescentnih cijevi) – Sigurnosni zahtjevi (IEC 62035:2014/am1:2016; EN 62035:2014/A1:2019)
Discharge lamps (excluding fluorescent lamps) – Safety specifications (IEC 62035:2014/am1:2016; EN 62035:2014/A1:2019)

HZN/TO E36, *Izolatori*

HRN EN IEC 61952-1:2019 en pr
Izolatori za nadzemne vodove – Kompozitni vodni potporni izolatori za izmjenične sustave nazivnog napona većeg od 1 000 V – 1. dio: Definicije, krajnje spojnice i oznake (IEC 61952-1:2019; EN IEC 61952-1:2019)
Insulators for overhead lines – Composite line post insulators for AC systems with a nominal voltage greater than 1 000 V – Part 1: definitions, end fittings and designations (IEC 61952-1:2019; EN IEC 61952-1:2019)

HZN/TO E56, *Pouzdanost*

HRN EN IEC 31010:2019 en pr
Upravljanje rizikom – Metode procjene rizika (IEC 31010:2019; EN IEC 31010:2019)
Risk management – Risk assessment techniques (IEC 31010:2019; EN IEC 31010:2019)

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

HRN EN 60335-1:2012/A1:2019 en pr
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:2010/am1:2013, MOD+Corr.1:2014; EN 60335-1:2012/A1:2019)
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:2010/am1:2013, MOD+Corr.1:2014; EN 60335-1:2012/A1:2019)

HRN EN 60335-1:2012/A14:2019 en pr
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (EN 60335-1:2012/A14:2019)
Household and similar electrical appliances – Safety – Part 1: General requirements (EN 60335-1:2012/A14:2019)

HRN EN 60335-1:2012/A2:2019 en pr
Kućanski i slični električni aparati – Sigurnost – 1. dio: Opći zahtjevi (IEC 60335-1:2010/am2:2016, MOD+Corr.1:2016; EN 60335-1:2012/A2:2019)
Household and similar electrical appliances – Safety – Part 1: General requirements (IEC 60335-1:2010/am2:2016, MOD+Corr.1:2016; EN 60335-1:2012/A2:2019)

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

HRN EN 80601-2-58:2015/A1:2019 en pr
Medicinska električna oprema – Dio 2-58: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke uređaja za uklanjanje leća i uređaja za vitrektomiju za oftalmološku kirurgiju (IEC 80601-2-58:2014/am1:2016; EN 80601-2-58:2015/A1:2019)
Medical electrical equipment – Part 2-58: Particular requirements for the basic safety and essential performance of lens removal devices and vitrectomy devices for ophthalmic surgery (IEC 80601-2-58:2014/am1:2016; EN 80601-2-58:2015/A1:2019)

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

HRN HD 60364-4-41:2017/A12:2019 en pr
Niskonaponske električne instalacije – Dio 4-41: Sigurnosna zaštita – Zaštita od električnog udara (HD 60364-4-41:2017/A12:2019)
Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock (HD 60364-4-41:2017/A12:2019)

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

HRN EN IEC 61158-6-10:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-10: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 10 (IEC 61158-6-10:2019; EN IEC 61158-6-10:2019)
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements (IEC 61158-6-10:2019; EN IEC 61158-6-10:2019)

HRN EN IEC 61158-6-12:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-12: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 12 (IEC 61158-6-12:2019; EN IEC 61158-6-12:2019)
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements (IEC 61158-6-12:2019; EN IEC 61158-6-12:2019)

HRN EN IEC 61158-6-19:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-19: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 19 (IEC 61158-6-19:2019; EN IEC 61158-6-19:2019)
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements (IEC 61158-6-19:2019; EN IEC 61158-6-19:2019)

HRN EN IEC 61158-6-21:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-21: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 21 (IEC 61158-6-21:2019; EN IEC 61158-6-21:2019)
Industrial communication networks – Fieldbus specifications – Part 6-21: Application layer protocol specification – Type 21 elements (IEC 61158-6-21:2019; EN IEC 61158-6-21:2019)

HRN EN IEC 61158-6-2:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-2: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 2 (IEC 61158-6-2:2019; EN IEC 61158-6-2:2019)
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements (IEC 61158-6-2:2019; EN IEC 61158-6-2:2019)

HRN EN IEC 61158-6-23:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-23: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 23 (IEC 61158-6-23:2019; EN IEC 61158-6-23:2019)
Industrial communication networks – Fieldbus specifications – Part 6-23: Application layer protocol specification – Type 23 elements (IEC 61158-6-23:2019; EN IEC 61158-6-23:2019)

HRN EN IEC 61158-6-25:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-25: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 25 (IEC 61158-6-25:2019; EN IEC 61158-6-25:2019)
Industrial communication networks – Fieldbus specifications – Part 6-25: Application layer protocol specification – Type 25 elements (IEC 61158-6-25:2019; EN IEC 61158-6-25:2019)

HRN EN IEC 61158-6-26:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-26: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 26 (IEC 61158-6-26:2019; EN IEC 61158-6-26:2019)
Industrial communication networks – Fieldbus specifications – Part 6-26: Application layer protocol specification – Type 26 elements (IEC 61158-6-26:2019; EN IEC 61158-6-26:2019)

HRN EN IEC 61158-6-3:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-3: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 3 (IEC 61158-6-3:2019; EN IEC 61158-6-3:2019)
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements (IEC 61158-6-3:2019; EN IEC 61158-6-3:2019)

HRN EN IEC 61158-6-4:2019 en pr
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-4: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 4 (IEC 61158-6-4:2019; EN IEC 61158-6-4:2019)
Industrial communication networks – Fieldbus specifications – Part 6-4: Application layer protocol specification – Type 4 elements (IEC 61158-6-4:2019; EN IEC 61158-6-4:2019)

HRN EN IEC 61207-2:2019 en pr
Izražavanje djelovanja plinskih analizatora – 2. dio: Kisik u plinu (upotreba visoko temperaturnih elektrokemijskih osjetila) (IEC 61207-2:2019; EN IEC 61207-2:2019)
Expression of performance of gas analyzers – Part 2: Measuring oxygen in gas utilizing high-temperature electrochemical sensors (IEC 61207-2:2019; EN IEC 61207-2:2019)

HRN EN IEC 61207-3:2019 en pr
Plinski analizatori – Izražavanje djelovanja – 3. dio: Paramagnetski analizatori kisika (IEC 61207-3:2019; EN IEC 61207-3:2019)
Gas Analyzers – Expression of performance – Part 3: Paramagnetic oxygen analysers (IEC 61207-3:2019; EN IEC 61207-3:2019)

HZN/TO E69, Cestovna i industrijska električna vozila

HRN EN IEC 63119-1:2019 en pr
Razmjena informacija za usluge roaminga za punjenje električnih vozila – 1. dio: Općenito (IEC 63119-1:2019; EN IEC 63119-1:2019)
Information exchange for electric vehicle charging roaming service – Part 1: General (IEC 63119-1:2019; EN IEC 63119-1:2019)

HZN/TO E78, Rad pod naponom

HRN EN IEC 61482-1-1:2019 en pr
Rad pod naponom – Zaštitna odjeća za zaštitu od toplinskih opasnosti električnog luka – Dio 1-1: Metode ispitivanja – Metoda 1: Određivanje razreda otpornosti na električni luk (ELIM, ATPV i/ili EBT) materijala za odjeću i zaštitne odjeće, uporabom otvorenog luka (IEC 61482-1-1:2019; EN IEC 61482-1-1:2019)
Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1: Test methods – Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc (IEC 61482-1-1:2019; EN IEC 61482-1-1:2019)

HZN/TO E79, Alarmni sustavi

HRN EN 50518:2019 en pr
Centar za nadzor i prijam alarma (EN 50518:2019)
Monitoring and alarm receiving centre (EN 50518:2019)

HRN EN IEC 62676-2-31:2019 en pr
Video nadzorni sustavi za uporabu u primjenama zaštite – Dio 2-31: Protokoli za prijenos video signala – Primjena IP zajedničkog rada baziranog na web servisima – „Live streaming“ i konfiguracija (IEC 62676-2-31:2019; EN IEC 62676-2-31:2019)
Video surveillance systems for use in security applications – Part 2-31: Live streaming and control based on web services (IEC 62676-2-31:2019; EN IEC 62676-2-31:2019)

HRN EN IEC 62676-2-32:2019 en pr
Video nadzorni sustavi za uporabu u primjenama zaštite – Dio 2-32: Protokoli za prijenos video signala – Primjena IP zajedničkog rada baziranog na web servisima – Snimanje (IEC 62676-2-32:2019; EN IEC 62676-2-32:2019)
Video surveillance systems for use in security applications – Part 2-32: Recording control and replay based on web services (IEC 62676-2-32:2019; EN IEC 62676-2-32:2019)

HZN/TO E88, Vjetroagregati

HRN EN IEC 61400-24:2019 en pr
Sustavi za proizvodnju energije iz vjetra – 24. dio: Zaštita od munje (IEC 61400-24:2019; EN IEC 61400-24:2019)
Wind energy generation systems – Part 24: Lightning protection (IEC 61400-24:2019; EN IEC 61400-24:2019)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN IEC 55015:2019 en pr
Granice i metode mjerenja značajka radiosmetnja električnih rasvjetnih i sličnih uređaja (CISPR 15:2018; EN IEC 55015:2019)
Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2018; EN IEC 55015:2019)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 328 V2.2.2:2019 en pr
Širokopojasni bežični sustavi – Oprema za prijenos podataka koja radi u frekvencijskom pojasu od 2,4 GHz – Harmonizirana norma za pristup radijskom spektru (EN 300 328 V2.2.2:2019)
Wideband transmission systems – Data transmission equipment operating in the 2,4 GHz band – Harmonised Standard for access to radio spectrum (EN 300 328 V2.2.2:2019)

HRN EN 300 392-7 V3.5.1:2019 en pr
Terestrijalni trunking radio (TETRA) – Glas i podatci (V+D) – 7. dio: Sigurnost (EN 300 392-7 V3.5.1:2019)
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 7: Security (EN 300 392-7 V3.5.1:2019)

HRN EN 303 213-6-1 V3.1.1:2019 en pr
Napredni sustav vođenja i kontrole kretanja površinom (A-SMGCS) – 6. dio: Harmonizirana norma za pristup radijskom spektru za stavljanje u uporabu radarskih senzora kretanja površinom – 1. poddio: Senzori u X-području s impulsnim signalima i snagom odašiljanja do 100 kW (EN 303 213-6-1 V3.1.1:2019)
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 6: Harmonised Standard for access to radio spectrum for deployed surface movement radar sensors – Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW (EN 303 213-6-1 V3.1.1:2019)

HRN EN 303 364-3 V1.1.1:2019 en pr
Glavni radar za nadzor (PSR) – Harmonizirana norma za pristup radijskom spektru – 3. dio: PSR senzori kontrole zračnoga prometa (ATC) koji rade u frekvencijskom pojasu od 8 300 MHz do 10 000 MHz (X pojas) (EN 303 364-3 V1.1.1:2019)
Primary Surveillance Radar (PSR) – Harmonised Standard for access to radio spectrum – Part 3: Air Traffic Control (ATC) PSR sensors operating in the frequency band 8 300 MHz to 10 000 MHz (X band) (EN 303 364-3 V1.1.1:2019)

HZN/TO Z1, Informacijska tehnologija

HRN EN 419231:2019 en pr
Profil zaštite vjerodostojnih sustava za potporu vremenskog žiga (EN 419231:2019)
Protection profile for trustworthy systems supporting time stamping (EN 419231:2019)

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

HRN EN 14565:2019 en pr
Elastične podne obloge – Podne obloge na osnovi sintetskih termoplastičnih polimera – Specifikacija (EN 14565:2019)
Resilient floor coverings – Floor coverings based upon synthetic thermoplastic polymers – Specification (EN 14565:2019)

HZN/TU F1, Osnovne norme 1

HRN EN 1047-1:2019 en pr
Jedinice za sigurno pohranjivanje – Klasifikacija i metode ispitivanja vatrootpornosti – 1. dio: Ormari za zaštitu podataka i spremnici za diskete (EN 1047-1:2019)
Secure storage units – Classification and methods of test for resistance to fire – Part 1: Data cabinets and diskette inserts (EN 1047-1:2019)

HRN EN 15659:2019 en pr
Secure storage units – Classification and methods of test for resistance to fire – Light fire storage units (EN 15659:2019)

HRN EN 17267:2019 en pr
Plan mjerenja i nadzora energije – Osmišljavanje i primjena – Načela prikupljanja podataka o energiji (EN 17267:2019)
Energy measurement and monitoring plan – Design and implementation – Principles for energy data collection (EN 17267:2019)

HZN/TU M1, Metalni materijali

HRN EN ISO 11494:2019 en pr
Nakit i plemeniti metali – Određivanje platine u legurama platine – Metoda ICP-OES upotrebom unutarnjeg standardnog elementa (ISO 11494:2019; EN ISO 11494:2019)
Jewellery and precious metals – Determination of platinum in platinum alloys – ICP-OES method using an internal standard element (ISO 11494:2019; EN ISO 11494:2019)

HRN EN ISO 11495:2019 en pr
Nakit i plemeniti metali – Određivanje paladija u legurama paladija – Metoda ICP-OES upotrebom unutarnjeg standardnog elementa (ISO 11495:2019; EN ISO 11495:2019)
Jewellery and precious metals – Determination of palladium in palladium alloys – ICP-OES method using an internal standard element (ISO 11495:2019; EN ISO 11495:2019)

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

HRN EN ISO 16054:2019 en pr
Kirurški implantati – Minimalni skupovi podataka o kirurškim implantatima (ISO 16054:2019; EN ISO 16054:2019)
Implants for surgery – Minimum data sets for surgical implants (ISO 16054:2019; EN ISO 16054:2019)

HRN EN ISO 20342-1:2019 en pr
Proizvodi koji pomažu u sprječavanju ozljeda tkiva pri dugotrajnom ležanju – 1. dio: Opći zahtjevi (ISO 20342-1:2019; EN ISO 20342-1:2019)
Assistive products for tissue integrity when lying down – Part 1: General Requirements (ISO 20342-1:2019; EN ISO 20342-1:2019)

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

HRN EN 2125:2019 en pr
Zrakoplovstvo – Legura aluminija Al-P16 – T6151 – Ploče 6 mm < a ≤ 120 mm (EN 2125:2019)
Aerospace series – Aluminium alloy Al-P16 – T6151 – Plates 6 mm < a ≤ 120 mm (EN 2125:2019)

HRN EN 2465:2019 en pr
Zrakoplovstvo – Čelik X2CrNi18-9 (1.4307) – Omekšan – 450 MPa ≤ Rm ≤ 680 MPa – Šipke za strojnu obradu – 4 mm ≤ De ≤ 100 mm (EN 2465:2019)
Aerospace series – Steel X2CrNi18-9 (1.4307) – Softened – 450 MPa ≤ Rm ≤ 680 MPa – Bar for machining – 4 mm ≤ De ≤ 100 mm (EN 2465:2019)

HRN EN 3155-009:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 009: Kontakti, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-009:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 009: Contacts, electrical, female, type A, crimp, class S – Product standard (EN 3155-009:2019)

HRN EN 3155-026:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 026: Kontakti, električni, muški, tip A, za krimpanje, razreda R – Norma za proizvod (EN 3155-026:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 026: Contacts, electrical, male, type A, crimp, class R – Product standard (EN 3155-026:2019)

HRN EN 3155-027:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 027: Kontakti, električni, ženski, tip A, za krimpanje, razreda R – Norma za proizvod (EN 3155-027:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 027: Contacts, electrical, female, type A, crimp, class R – Product standard (EN 3155-027:2019)

HRN EN 3155-065:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 065: Kontakti, električni, muški, tip A, za krimpanje, razreda S, veličina 8 – Norma za proizvod (EN 3155-065:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 065: Contacts, electrical, male, type A, crimp, class S, size 8 – Product standard (EN 3155-065:2019)

HRN EN 3155-070:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 070: Kontakti, električni, muški, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-070:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 070: Contacts, electrical, male, type A, crimp, class S – Product standard (EN 3155-070:2019)

HRN EN 3155-071:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 071: Kontakti, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-071:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 071: Contacts, electrical, female, type A, crimp, class S – Product standard (EN 3155-071:2019)

HRN EN 3155-079:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 079: Kontakti veličine 22 za normu EN 2997, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-079:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 079: Contacts size 22 for EN 2997, electrical, female, type A, crimp, class S – Product standard (EN 3155-079:2019)

HRN EN 3155-080:2019 en pr
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 080: Kontakti veličine 22 za normu EN 2997, električni, muški, tip A, za krimpanje, razreda T – Norma za proizvod (EN 3155-080:2019)
Aerospace series – Electrical contacts used in elements of connection – Part 080: Contacts size 22 for EN 2997, electrical, male, type A, crimp, class T – Product standard (EN 3155-080:2019)

HRN EN 3645-001:2019 en pr
Zrakoplovstvo – Spojnice, električne, okrugle, sa zaštitnim plaštom za pinove, za spajanje pomoću trostrukog navoja, stalne radne temperature 175 °C ili 200 °C – Dio 001: Tehničke specifikacije (EN 3645-001:2019)
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 001: Technical specification (EN 3645-001:2019)

HRN EN 3844-1:2019 en pr
Zrakoplovstvo – Zapaljivost nemetalnih materijala – 1. dio: Ispitivanje malim plamenikom, vertikalno – Određivanje vertikalnog rasprostiranja plamena (EN 3844-1:2019)
Aerospace series – Flammability of non metallic materials – Part 1: Small burner test, vertical – Determination of the vertical flame propagation (EN 3844-1:2019)

HRN EN 3844-2:2019 en pr
Zrakoplovstvo – Zapaljivost nemetalnih materijala – 2. dio: Ispitivanje malim plamenikom, horizontalno – Određivanje horizontalnog rasprostiranja plamena (EN 3844-2:2019)
Aerospace series – Flammability of non metallic materials – Part 2: Small burner test, horizontal – Determination of the horizontal flame propagation (EN 3844-2:2019)

HRN EN 3844-3:2019 en pr
Zrakoplovstvo – Zapaljivost nemetalnih materijala – 3. dio: Ispitivanje malim plamenikom, 45° – Određivanje otpornosti materijala na plamen i rasprostiranje plamena te prodor plamena (EN 3844-3:2019)
Aerospace series – Flammability of non metallic materials – Part 3: Small burner test, 45° – Determination of the resistance of material to flame and glow propagation and to flame penetration (EN 3844-3:2019)

HRN EN 4056-003:2019 en pr
Zrakoplovstvo – Obujmice za kabelaške snopove – Dio 003: Plastične obujmice – Radne temperature od -65 °C do 105 °C i od -65 °C do 150 °C – Norma za proizvod (EN 4056-003:2019)
Aerospace series – Cable ties for harnesses – Part 003: Plastic cable ties – Operating temperatures -65 °C to 105 °C and -65 °C to 150 °C – Product standard (EN 4056-003:2019)

- HRN EN 4612-002:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 002: Općenito (EN 4612-002:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 002: General (EN 4612-002:2019)
- HRN EN 4612-003:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 003: Bakar prevučen kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-003:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-003:2019)
- HRN EN 4612-004:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 004: Bakar prevučen kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruka izolacija zida za upotrebu na otvorenom, s oblogom i oklopom (opleten) – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-004:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 004: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-004:2019)
- HRN EN 4612-005:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 005: Bakar prevučen kositrom – Radna temperatura između -65 °C i 135 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-005:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed – Part 005: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-005:2019)
- HRN EN 4612-007:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 007: Bakar prevučen srebrom – Radna temperatura između -65 °C i 150 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-007:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 007: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Single extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-007:2019)
- HRN EN 4612-008:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 008: Bakar prevučen srebrom – Radna temperatura između -65 °C i 150 °C – Jednostruka izolacija zida za upotrebu na otvorenom, s oblogom i oklopom (opleten) – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-008:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 008: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Single extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-008:2019)
- HRN EN 4612-009:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 009: Bakar prevučen srebrom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-009:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 009: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-009:2019)
- HRN EN 4612-010:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 010: Bakar prevučen srebrom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, s oblogom i oklopom (opleten) – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-010:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 010: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-010:2019)
- HRN EN 4612-011:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop XLETFE porodica obloženi ili oklopljeni i obloženi – Dio 011: Bakar prevučen niklom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-011:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed – Part 011: Nickel plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-011:2019)
- HRN EN 4612-012:2019 en pr
Zrakoplovstvo – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – Dio 012: Bakar prevučen niklom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, s oblogom i oklopom (opleten) – Za ispis UV laserskim pisačem – Norma za proizvod (EN 4612-012:2019)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 012: Nickel plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-012:2019)
- HRN EN 4660-003:2019 en pr
Zrakoplovstvo – Modularna i otvorena avionska arhitektura – Dio 003: Komunikacija/mreža (EN 4660-003:2019)
Aerospace series – Modular and Open Avionics Architectures – Part 003: Communications/Network (EN 4660-003:2019)
- HRN EN 4660-004:2019 en pr
Zrakoplovstvo – Modularna i otvorena avionska arhitektura – Dio 004: Pakiranje (EN 4660-004:2019)
Aerospace series – Modular and open avionics architectures – Part 004: Packaging (EN 4660-004:2019)
- HRN EN 4660-005:2019 en pr
Zrakoplovstvo – Modularna i otvorena avionska arhitektura – Dio 005: Programska podrška (EN 4660-005:2019)
Aerospace series – Modular and Open Avionics Architectures – Part 005: Software (EN 4660-005:2019)
- HRN EN 12895:2019 en pr
Industrijska vozila – Elektromagnetska kompatibilnost (EN 12895:2015+A1:2019)
Industrial trucks – Electromagnetic compatibility (EN 12895:2015+A1:2019)

HZN/TU U1, *Opća elektrotehnika 1*

- HRN EN 50693:2019 en pr
Pravila definiranja kategorije proizvoda za procjenu životnog ciklusa električnih i elektroničkih proizvoda i sustava (EN 50693:2019)
Product category rules for life cycle assessments of electronic and electrical products and systems (EN 50693:2019)
- HRN EN 60068-2-67:2008/A1:2019 en pr
Ispitivanje utjecaja okoliša – Dio 2-67: Ispitivanja – Cy ispitivanje: Nepromjenjiva povišena temperatura s vlagom, ubrzano ispitivanje namijenjeno prije svega za komponente (IEC 60068-2-67:1995/am1:2019; EN 60068-2-67:1996/A1:2019)
Environmental testing – Part 2-67: Tests – Test Cy: Damp heat, steady state, accelerated test primarily intended for components (IEC 60068-2-67:1995/am1:2019; EN 60068-2-67:1996/A1:2019)
- HRN EN IEC 60068-2-85:2019 en pr
Ispitivanje utjecaja okoliša – Dio 2-85: Ispitivanja – Fj ispitivanje: Vibracije – Dugotrajno ponavljanje unutar vremenskog zapisa (IEC 60068-2-85:2019; EN IEC 60068-2-85:2019)
Environmental testing – Part 2-85: Tests – Test Fj: Vibration – Long time history replication (IEC 60068-2-85:2019; EN IEC 60068-2-85:2019)
- HRN EN IEC 81346-2:2019 en pr
Industrijski sustavi, instalacije i oprema te industrijski proizvodi – Načela strukturiranja i referentnog označavanja – 2. dio: Klasifikacija objekata i kodova za razrede (IEC 81346-2:2019; EN IEC 81346-2:2019)
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 2: Classification of objects and codes for classes (IEC 81346-2:2019; EN IEC 81346-2:2019)

HZN/TU V1, *Elektronika 1*

- HRN EN 60068-2-69:2017/A1:2019 en pr
Ispitivanje utjecaja okoliša – Dio 2-69: Ispitivanja – Te/Tc ispitivanje: Ispitivanje lernjivosti elektroničkih komponenti i tiskanih pločica pomoću metode uravnoteženog vlaženja (mjerjenje sile) (IEC 60068-2-69:2017/am1:2019; EN 60068-2-69:2017/A1:2019)
Environmental testing – Part 2-69: Tests – Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method (IEC 60068-2-69:2017/am1:2019; EN 60068-2-69:2017/A1:2019)
- HRN EN IEC 60747-16-6:2019 en pr
Poluvodičke komponente – Dio 16-6: Mikrovalni integrirani sklopovi – Množila frekvencije (IEC 60747-16-6:2019; EN IEC 60747-16-6:2019)
Semiconductor devices – Part 16-6: Microwave integrated circuits – Frequency multipliers (IEC 60747-16-6:2019; EN IEC 60747-16-6:2019)
- HRN EN IEC 61300-3-54:2019 en pr
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-54: Examinations and measurements – Angular misalignment between ferrule bore axis and ferrule axes for cylindrical ferrules (IEC 61300-3-54:2019; EN IEC 61300-3-54:2019)
- HRN EN 62391-1:2016/Ispr.2:2019 en pr
Fiksni električni dvoslojni kondenzatori za električnu i elektroničku opremu – 1. dio: Opća specifikacija (IEC 62391-1:2015/Corr.2:2019; EN 62391-1:2016/AC:2019)
Fixed electric double-layer capacitors for use in electric and electronic equipment – Part 1: Generic specification (IEC 62391-1:2015/Corr.2:2019; EN 62391-1:2016/AC:2019)
- HRN EN 140101-806:2008/Ispr.1:2019 en pr
Iskrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage – Otpornici od metalnog tankog sloja na keramici visoke kakvoće, ujednačeno namazani ili oblikovani, aksijalni ili unaprijed oblikovani vodovi (EN 140101-806:2008/AC:2009)
Detail Specification: Fixed low power film resistors – Metal film resistors on high grade ceramic, conformal coated or molded, axial or preformed leads (EN 140101-806:2008/AC:2009)

HZN/TU W1, *Energetska elektrotehnika 1*

- HRN EN 50291-2:2019 en pr
Električna oprema za otkrivanje ugljičnog monoksida u kućanskim prostorima – 2. dio: Električna oprema za neprekidan rad u fiksnim instalacijama u vozilima za kampiranje i sličnim prostorima, uključujući brodice – Dodatne metode ispitivanja i izvedbeni zahtjevi (EN 50291-2:2019)
Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft – Additional test methods and performance requirements (EN 50291-2:2019)
- HRN EN 60531:2011/A11:2019 en pr
Kućanske termoakumulacijske grijalice prostora – Metode za mjerenje radnih značajka (EN 60531:2000/A11:2019)
Household electric thermal storage room heaters – Methods for measuring performance (EN 60531:2000/A11:2019)
- HRN EN 60675:2008/A11:2019 en pr
Kućanske sobne grijalice s izravnim grijanjem – Postupak mjerenja radnih značajka (EN 60675:1995/A11:2019)
Household electric direct-acting room heaters – Methods for measuring performance (EN 60675:1995/A11:2019)
- HRN EN 60704-2-3:2019 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-3: Posebni zahtjevi za perlice posuda (IEC 60704-2-3:2017; EN 60704-2-3:2019)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-3: Particular requirements for dishwashers (IEC 60704-2-3:2017; EN 60704-2-3:2019)
- HRN EN 60704-2-3:2019/A11:2019 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-3: Posebni zahtjevi za perlice posuda (EN 60704-2-3:2019/A11:2019)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-3: Particular requirements for dishwashers (EN 60704-2-3:2019/A11:2019)
- HRN EN 60704-3:2019 en pr
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – 3. dio: Postupak za određivanje i potvrđivanje iskazanih vrijednosti emisije buke (IEC 60704-3:2019; EN 60704-3:2019)
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 3: Procedure for determining and verifying declared noise emission values (IEC 60704-3:2019; EN 60704-3:2019)
- HRN EN 61121:2013/A11:2019 en pr
Električne bubnjaste sušilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (EN 61121:2013/A11:2019)
Tumble dryers for household use – Methods for measuring the performance (EN 61121:2013/A11:2019)
- HRN EN 62841-2-1:2018/A11:2019 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-2: Posebni zahtjevi za ručne bušilice i udarne bušilice (EN 62841-2-1:2018/A11:2019)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-1: Particular requirements for hand-held drills and impact drills (EN 62841-2-1:2018/A11:2019)
- HRN EN IEC/ASTM 62885-6:2019 en pr
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; EN IEC/ASTM 62885-6:2019)
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; EN IEC/ASTM 62885-6:2019)

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 21, *Protupožarna i vatrogasna oprema*

EN 16750:2017/prA1 en
Fixed firefighting systems – Oxygen reduction systems – Design, installation, planning and maintenance
Stabilni protupožarni sustavi – Sustavi sa smanjenom koncentracijom kisika – Projektiranje, postavljanje, planiranje i održavanje

HZN/TO 25, *Ljevarstvo*

EN 10222-2:2017/prA1 en
Steel forgings for pressure purposes – Part 2: Ferritic and martensitic steels with specified elevated temperatures properties
Čelični otkivci za tlačne namjene – 2. dio: Feritni i martenzitni čelici s utvrđenim svojstvima pri povišenim temperaturama

EN 10222-4:2017/prA1 en
Steel forgings for pressure purposes – Part 4: Weldable fine grain steels with high proof strength
Čelični otkivci za tlačne namjene – 4. dio: Zavarivi sitnozrnati čelici s visokom granicom razvlačenja

HZN/TO 28, *Naftni proizvodi i maziva*

EN ISO 8973:1999/prA1 en
Liquefied petroleum gases – Calculation method for density and vapour pressure (ISO 8973:1997/DAMd 1:2019)
Ukapljeni naftni plinovi – Metoda izračunavanja gustoće i tlaka para (ISO 8973:1997/DAMd 1:2019)

EN ISO 13758:1996/prA1 en
Liquefied petroleum gases – Assessment of the dryness of propane – Valve freeze method (ISO 13758:1996/DAMd 1:2019)
Ukapljeni naftni plinovi – Procjena suhoće propana – Metoda "smrznutog" ventila (ISO 13758:1996/DAMd 1:2019)

HZN/TO 43, *Akustika*

prEN ISO 2922 en
Acoustics – Measurement of airborne sound emitted by vessels on inland waterways and harbours (ISO/DIS 2922:2019)
Akustika – Mjerenja buke koju emitiraju plovni objekti na unutarnjim vodama i u lukama (ISO/DIS 2922:2019)

prEN ISO 12999-2 en
Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 2: Sound absorption (ISO/DIS 12999-2:2019)

prEN 16205 en
Laboratory measurement of walking noise on floors
Laboratorijsko mjerenje buke hodanja po podovima

HZN/TO 44, *Zavarivanje i srodni postupci*

EN ISO 15614-1:2017/prA2 en
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/DAMd 2:2019)
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/DAMd 2:2019)

HZN/TO 46, *Bibliotekarstvo, dokumentacija i informacije*

prEN ISO 3166-1 en
Codes for the representation of names of countries and their subdivisions – Part 1: Country code (ISO/DIS 3166-1:2019)
Kodovi za označivanje imena država i njihovih pokrajina – 1. dio: Kodovi država (ISO/DIS 3166-1:2019)

HZN/TO 74, *Cement i vapno*

prEN 459-2 en
Building lime – Part 2: Test methods
Građevno vapno – 2. dio: Metode ispitivanja

HZN/TO 92, *Zaštita od požara*

prEN 13501-3 en
Fire classification of construction products and building elements – Part 3: Classification using data from fire resistance tests on products and elements used in building service installations and electrical cables
Razredba građevnih proizvoda i građevnih elemenata prema ponašanju u požaru – 3. dio: Razredba prema rezultatima ispitivanja otpornosti na požar proizvoda i elemenata upotrijebljenih u servisnim instalacijama zgrade i električnim kabelima

HZN/TO 108, *Mehaničke vibracije i udari*

prEN ISO 28927-1 en
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 1: Angle and vertical grinders (ISO/FDIS 28927-1:2019)
Ručni prijenosni strojni alati – Ispitne metode za procjenu emisije vibracija – 1. dio: Kutne i vertikalne brusilice (ISO/FDIS 28927-1:2019)

HZN/TO 120, *Koža i obuća*

prEN ISO 5402-1 en
Leather – Determination of flex resistance – Part 1: Flexometer method (ISO/DIS 5402-1:2019)
Koža – Određivanje otpornosti na svijanje – 1. dio: Metoda fleksometrom (ISO/DIS 5402-1:2019)

HZN/TO 121, *Anestetička i respiracijska oprema*

prEN ISO 17510 en
Medical devices – Sleep apnoea breathing therapy – Masks and application accessories (ISO 17510:2015)

prEN ISO 18562-1 en
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 1: Evaluation and testing within a risk management process (ISO 18562-1:2017)

prEN ISO 18562-2 en
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 2: Tests for emissions of particulate matter (ISO 18562-2:2017)

prEN ISO 18562-3 en
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 3: Tests for emissions of volatile organic compounds (VOCs) (ISO 18562-3:2017)

prEN ISO 18562-4 en
Biocompatibility evaluation of breathing gas pathways in healthcare applications – Part 4: Tests for leachables in condensate (ISO 18562-4:2017)

prEN ISO 80601-2-67 en
Medical Electrical Equipment – Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment (ISO/DIS 80601-2-67:2019)

prEN ISO 80601-2-69 en
Medical electrical equipment – Part 2-69: Particular requirements for basic safety and essential performance of oxygen concentrator equipment (ISO/DIS 80601-2-69)
Medicinska električna oprema – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za koncentriranje kisika (ISO/DIS 80601-2-69)

prEN ISO 80601-2-74 en
Medical electrical equipment – Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO 80601-2-74:2017)

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

prEN 1329-1 en

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Neomekšani poli(vinil-klorid) (PVC-U) – 1. dio: Specifikacije za cijevi, spojnice i sustav

HZN/TO 159, *Ergonomija*

prEN ISO 9241-110 en

Ergonomics of human-system interaction – Part 110: Interaction principles (ISO/DIS 9241-110:2019)

HZN/TO 172, *Optika i optički instrumenti*

prEN ISO 15902 en

Optics and photonics – Diffractive optics – Vocabulary (ISO/FDIS 15902:2019)
Optika i optički instrumenti – Difraktivna optika – Terminološki rječnik (ISO/FDIS 15902:2019)

HZN/TO 181, *Sigurnost igračaka i proizvodi za djecu*

prEN 71-4 en

Safety of toys – Part 4: Experimental sets for chemistry and related activities
Sigurnost igračaka – 4. dio: Eksperimentalna oprema za kemiju i srodne aktivnosti

HZN/TO 215, *Medicinska informatika*

prEN ISO 11073-20701 en

Health informatics – Device interoperability – Part 20701: Point-of-care medical device communication – Service oriented medical device exchange architecture and protocol binding (ISO/IEEE FDIS 11073-20701:2019)

HZN/TO 503, *Metalni materijali*

prEN ISO 4947 en

Steel and cast iron – Determination of vanadium content – Potentiometric titration method (ISO/DIS 4947:2019)
Čelik i željezni ljev – Određivanje sadržaja vanadija – Metoda potenciometrijske titracije (ISO/DIS 4947:2019)

EN ISO 10893-1:2011/prA1 en

Non-destructive testing of steel tubes – Part 1: Automated electromagnetic testing of seamless and welded (except submerged arc-welded) steel tubes for the verification of hydraulic leaktightness – Amendment 1: Change of dimensions of the reference notch, change acceptance criteria (ISO 10893-1:2011/DAMd 1:2019)

EN ISO 10893-2:2011/prA1 en

Non-destructive testing of steel tubes – Part 2: Automated eddy current testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of imperfections – Amendment 1: Change of dimensions of the reference notch, change acceptance criteria (ISO 10893-2:2011/DAMd 1:2019)

EN ISO 10893-3:2011/prA2 en

Non-destructive testing of steel tubes – Part 3: Automated full peripheral flux leakage testing of seamless and welded (except submerged arc-welded) ferromagnetic steel tubes for the detection of longitudinal and/or transverse imperfections – Amendment 2: Change acceptance criteria (ISO 10893-3:2011/DAMd 2:2019)

EN ISO 10893-8:2011/prA1 en

Non-destructive testing of steel tubes – Part 8: Automated ultrasonic testing of seamless and welded steel tubes for the detection of laminar imperfections – Amendment 1: Change acceptance criteria (ISO 10893-8:2011/DAMd 1:2019)

EN ISO 10893-9:2011/prA1 en

Non-destructive testing of steel tubes – Part 9: Automated ultrasonic testing for the detection of laminar imperfections in strip/plate used for the manufacture of welded steel tubes – Amendment 1: Change acceptance criteria (ISO 10893-9:2011/DAMd 1:2019)

EN ISO 10893-10:2011/prA1 en

Non-destructive testing of steel tubes – Part 10: Automated full peripheral ultrasonic testing of seamless and welded (except submerged arc-welded) steel tubes for the detection of longitudinal and/or transverse imperfections – Amendment 1: Change the ultrasonic test frequency of transducers; change of acceptance criteria (ISO 10893-10:2011/DAM 1:2019)

EN ISO 10893-11:2011/prA1 en

Non-destructive testing of steel tubes – Part 11: Automated ultrasonic testing of the weld seam of welded steel tubes for the detection of longitudinal and/or transverse imperfections – Amendment 1: Change the ultrasonic test frequency of transducers, change of acceptance criteria (ISO 10893-11:2011/DAMd 1:2019)

EN ISO 10893-12:2011/prA1 en

Non-destructive testing of steel tubes – Part 12: Automated full peripheral ultrasonic thickness testing of seamless and welded (except submerged arc-welded) steel tubes – Amendment 1: Change of acceptance criteria (ISO 10893-12:2011/DAMd 1:2019)

HZN/TO 505, *Prijenos i distribucija plina*

prEN 1474-2 en

Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 2: Design and testing of transfer hoses
Instalacija i oprema za ukapljeni prirodni plin – Projektiranje i ispitivanje pomorskih prijenosnih sustava – 2. dio: Projektiranje i ispitivanje crijeva za pretakanje

HZN/TO 524, *Inteligentni transportni sustavi*

prEN ISO 14819-1 en

Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 1: Coding protocol for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO/DIS 14819-1:2019)
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 1. dio: Protokol za kodiranje u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO/DIS 14819-1:2019)

prEN ISO 14819-2 en

Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 2: Event and information codes for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO/DIS 14819-2:2019)
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 2. dio: Kodovi za događaje i informacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO/DIS 14819-2:2019)

prEN ISO 14819-3 en

Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 3: Location referencing for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO/DIS 14819-3:2019)
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 3. dio: Određivanje lokacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO/DIS 14819-3:2019)

prEN ISO 22418 en

Intelligent transport systems – Fast service announcement protocol (FSAP) for general purposes in ITS (ISO/DIS 22418:2019)

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

EN 16851:2017/prA1 en

Cranes – Light crane systems
Granici – Sustavi laganih granika

HZN/TO 531, *Plastika i guma*

prEN 438-7 en

High-pressure decorative laminates (HPL) – Sheets based on thermosetting resins (Usually called Laminates) – Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes
Visokotlačni dekorativni laminati (HPL) – Ploče na osnovi duromernih smola (uobičajeno se nazivaju laminati) – 7. dio: Kompaktni laminat i HPL kompozitne ploče za unutrašnji i vanjski zid i završnu obradu stropa

HZN/TO 533, *Kolničke konstrukcije*

prEN 12697-42 en

Bituminous mixtures – Test methods – Part 42: Amount of foreign matter in reclaimed asphalt
Bitumenske mješavine – Metode ispitivanja – 42. dio: Količina onečišćenja u reciklažnom asfaltnom granulatu

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

prEN 14351-1 en

Windows and doors – Product standard, performance characteristics – Part 1: Windows and external pedestrian doorsets
Prozori i vrata – Norma za proizvod, izvedbene značajke – 1. dio: Prozori i vanjska pješačka vrata

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

prEN ISO 128-2 en

Technical product documentation – General principles of representation – Part 2: Basic conventions for lines (ISO/DIS 128-2:2019)
Tehnička dokumentacija proizvoda – Osnovna načela prikazivanja – 2. dio: Osnovne konvencije o crtama (ISO/DIS 128-2:2019)

prEN ISO 128-3 en

Technical product documentation – General principles of representation – Part 3: Views, sections and cuts (ISO/DIS 128-3:2019)
Tehnička dokumentacija proizvoda – Osnovna načela prikazivanja – 3. dio: Pogledi, presjeci i rezovi (ISO/DIS 128-3:2019)

HZN/TO 539, *Kemijski dezinficijensi i antiseptici*

prEN 13624 en

Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area – Test method and requirements (phase 2, step 1)
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1)

prEN 17422 en

Chemical disinfectants and antiseptics – Quantitative surface test for the evaluation of teat disinfectants used in the veterinary area – Test method and requirements (phase 2 step 2)

prEN 17430 en

Chemical disinfectants and antiseptics – Hygienic handrub virucidal – Test method and requirements (phase 2/step 2)

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

prEN 17414-1 en

District cooling pipes – Factory made flexible pipe systems – Part 1: Classification, general requirements and test methods
Cijevi za daljinsko hlađenje – Tvornički izrađeni sustavi savitljivih cijevi – 1. dio: Razredba, opći zahtjevi i metode ispitivanja

prEN 17414-2 en

District cooling pipes – Factory made flexible pipe systems – Part 2: Bonded system with plastic service pipes – Requirements and test methods
Cijevi za daljinsko hlađenje – Tvornički izrađeni sustavi savitljivih cijevi – 2. dio: – Spojeni sustav s plastičnim cijevima – Zahtjevi i metode ispitivanja

prEN 17414-3 en

District cooling pipes – Factory made flexible pipe systems – Part 3: Non bonded system with plastic service pipes – Requirements and test methods
Cijevi za daljinsko hlađenje – Tvornički izrađeni sustavi savitljivih cijevi – 3. dio: Nespojeni sustav s plastičnim cijevima – Zahtjevi i metode ispitivanja

prEN 17415-1 en

District cooling pipes – Bonded single pipe systems for directly buried cold water networks – Part 1: Factory made pipe assembly of steel or plastic service pipe, polyurethane thermal insulation and a casing of polyethylene
Cijevi za daljinsko hlađenje – Povezani cijevni sustavi za direktno ukopane mreže za hladnu vodu – 1. dio: Tvornički izrađeni cijevni sklopovi od čeličnih ili plastičnih cijevi, poliuretanske toplinske izolacije i polietilenske ovojnice

prEN 17423 en

Energy performance of buildings – Determination and reporting of Primary Energy Factors (PEF) and CO2 emission coefficient – General Principles, Module M1-7
Energijska svojstva zgrada – Određivanje i izvještavanje o faktorima primarne energije (PEF) i o koeficijentu emisije CO2 – Opća načela, Modul M1-7

HZN/TO 546, *Očuvanje kulturne baštine*

prEN 17429 en

Conservation of cultural heritage – Procurement of conservation services and works

HZN/TO 551, *Gradnja*

prEN ISO 12006-2 en

Building construction – Organization of information about construction works – Part 2: Framework for classification (ISO 12006-2:2015)
Građenje – Organiziranje informacija o građevinama – 2. dio: Okvir za razredbu (ISO 12006-2:2015)

HZN/TO 553, *Predgotovljeni proizvodi*

prEN 16578 en

Product category rules for ceramic sanitary appliances
Pravila za kategorizaciju proizvoda za keramičke sanitarije

HZN/TO 557, *Zaštitna odjeća*

EN ISO 13688:2013/prA1 en

Protective clothing – General requirements (ISO 13688:2013/DAMd 1:2019)
Zaštitna odjeća – Opći zahtjevi (ISO 13688:2013/DAMd 1:2019)

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

prEN ISO 4126-3 en

Safety devices for protection against excessive pressure – Part 3: Safety valves and bursting disc safety devices in combination (ISO/DIS 4126-3:2019)
Sigurnosni uređaji za zaštitu od prekomjernog tlaka – 3. dio: Sigurnosni zaporni uređaji i sigurnosni uređaji s rasprsnim diskom u kombinaciji (ISO/DIS 4126-3:2019)

prEN 12569 en

Industrial valves – Valves for chemical and petrochemical process industry – Requirements and tests
Industrijski ventili – Ventili za kemijsku i petrokemijsku procesnu industriju – Zahtjevi i ispitivanja

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

EN 13445-3:2014/prA14 en

Unfired pressure vessels – Part 3: Design
Neložene tlačne posude – 3. dio: Projektiranje

prEN 13953 en

LPG equipment and accessories – Pressure relief valves for transportable refillable cylinders for Liquefied Petroleum Gas (LPG)
Oprema i pribor za UNP – Sigurnosni ventili prenosivih, ponovno punjivih boca za ukapljeni naftni plin (UNP)

HZN/TO E10, Fluidi za primjenu u elektrotehnici

- prEN IEC 60296:2019 en
Fluids for electrotechnical applications – Mineral insulating oils for electrical equipment (IEC 60296:201X)
Tekućine za primjenu u elektrotehnici – Mineralna izolacijska ulja za električnu opremu (IEC 60296:201X)

HZN/TO E22, Energetska elektronika

- prEN IEC 61800-1:2019 en
Adjustable speed electrical power drive systems – Part 1: General requirements – Rating specifications for low voltage adjustable speed DC power drive systems (IEC 61800-1:201X)
Elektromotorni sustavi podesive brzine – 1. dio: Opći zahtjevi – Specifikacija nazivnih vrijednosti niskonaponskih istosmjernih elektromotornih sustava podesive brzine (IEC 61800-1:201X)
- prEN IEC 61800-2:2019 en
Adjustable speed electrical power drive systems – Part 2: General requirements – Rating specifications for adjustable speed a.c. power drive systems (IEC 61800-2:201X)
Elektromotorni sustavi podesive brzine – 2. dio: Opći zahtjevi – Specifikacija nazivnih vrijednosti za sustave izmjeničnih elektromotornih pogona s podesivom brzinom (IEC 61800-2:201X)

HZN/TO E23, Električni instalacijski pribor

- prEN IEC 60309-1:2019 en
Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 1: General requirements (IEC 60309-1:201X)
- prEN IEC 60309-2:2019 en
Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories (IEC 60309-2:201X)
- prEN IEC 60309-4:2019 en
Plugs, fixed or portable socket-outlets and appliance inlets for industrial purposes – Part 4: Switched socket-outlets and connectors with or without interlock (IEC 60309-4:201X)
- prEN IEC 61316:2019 en
Industrial cable reels (IEC 61316:201X)
Industrijske namatalice kabela (IEC 61316:201X)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

- prEN IEC 62868-2-2:2019 en
Organic Light Emitting Diode (OLED) light sources for general lighting – safety – Part 2-2: Particular requirements for integrated OLED modules (IEC 62868-2-2:201X)
- prEN IEC 63103:2019 en
Lighting equipment – Non-active mode power measurement (IEC 63103:201X)

HZN/TO E57, Upravljanje energetske sustavom i pridružene komunikacije

- prEN IEC 61968-13:2019 en
Application integration at electric utilities – System interfaces for distribution management – Part 13: Common distribution power system model profiles (IEC 61968-13:201X)
- EN IEC 62351-4:2018/prA1:2019 en
Power systems management and associated information exchange – Data and communications security – Part 4: Profiles including MMS and derivatives (IEC 62351-4:2018/am1:201X)
Upravljanje energetske sustavima i povezana razmjena podataka – Sigurnost podataka i komunikacija – 4. dio: Profili koji uključuju MMS (IEC 62351-4:2018/am1:201X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

- prEN 50706 en
Household and similar electrical appliances – Particular requirements for electrical operated commercial rotary irons

- EN 60335-2-3:2016/prA1 en
Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (IEC 60335-2-3:2012/am1:2015)
Kućanski i slični električni aparati – Sigurnost – Dio 2-3: Posebni zahtjevi za električna glačala (IEC 60335-2-3:2012/am1:2015)

- FprEN 60335-2-37:2017/prA11 en
Household and similar electrical appliances – Safety – Part 2-37: Particular requirements for commercial electric doughnut fryers and deep fat fryers
Kućanski i slični električni aparati – Sigurnost – Dio 2-37: Posebni zahtjevi za ugostiteljske električne friteze za krafne i duboke friteze

- EN 60335-2-38:2003/prA2 en
Household and similar electrical appliances – Safety – Part 2-38: Particular requirements for commercial electric griddles and griddle grills (IEC 60335-2-38:2002/am2:2017)
Kućanski i slični električni aparati – Sigurnost – Dio 2-38: Posebni zahtjevi za ugostiteljske električne dodirne roštilje (IEC 60335-2-38:2002/am2:2017)

- prEN IEC 60335-2-40/prA11:2019 en
Household and similar electrical appliances – Safety – Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
Kućanski i slični električni aparati – Sigurnost – Dio 2-40: Posebni zahtjevi za električne dizalice topline, klima-uređaje i sušila zraka

- prEN IEC 60335-2-41 en
Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps (IEC 60335-2-41:2012)
Kućanski i slični električni aparati – Sigurnost – Dio 2-41: Posebni zahtjevi za crpke (IEC 60335-2-41:2012)

- prEN IEC 60335-2-41/prA11 en
Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps
Kućanski i slični električni aparati – Sigurnost – Dio 2-41: Posebni zahtjevi za crpke

- prEN IEC 60335-2-60 en
Household and similar electrical appliances – Safety – Part 2-60: Particular requirements for whirlpool baths and whirlpool spas (IEC 60335-2-60:2017)

HZN/TO E62, Električna oprema u medicinskoj praksi

- prEN IEC 60336:2019 en
Medical electrical equipment – X-ray tube assemblies for medical diagnosis – Characteristics of focal spots (IEC 60336:201X)
Medicinski električni uređaji – Elementi medicinskih dijagnostičkih cijevi za X-zračenje – Značajke žarišta (IEC 60336:201X)

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

- prEN IEC 61326-1:2019 en
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:201X)
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – 1. dio: Opći zahtjevi (IEC 61326-1:201X)

- prEN IEC 61326-2-1:2019 en
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:201X)
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-1: Posebni zahtjevi – Ispitne konfiguracije, radni uvjeti i kriteriji djelovanja za osjetljivu ispitnu i mjernu opremu za EMC nezaštićene primjene (IEC 61326-2-1:201X)

prEN IEC 61326-2-2:2019 en

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:201X)

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-2: Posebni zahtjevi – Ispitne konfiguracije, radni uvjeti i kriteriji djelovanja za prenosivu ispitnu opremu i opremu za mjerenje i motrenje u nisko naponskim distribucijskim sustavima (IEC 61326-2-2:201X)

prEN IEC 61326-2-3:2019 en

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-3: Particular requirements – Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:201X)

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-3: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za pretvornike s integriranom ili daljinskom prilagodbom signala (IEC 61326-2-3:201X)

prEN IEC 61326-2-4:2019 en

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-4: Particular requirements – Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:201X)

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-4: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za uređaje za motrenje izolacije prema IEC 61557-8 i za opremu za traženje pogrešaka izolacije prema IEC 61557-9 (IEC 61326-2-4:201X)

prEN IEC 61326-2-5:2019 en

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:201X)

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-5: Posebni zahtjevi – Ispitna konfiguracija, radni uvjeti i kriteriji djelovanja za vanjske uređaje sa sučeljima prema IEC 61784-1 (IEC 61326-2-5:201X)

prEN IEC 61326-2-6:2019 en

Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:201X)

Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – Dio 2-6: Posebni zahtjevi – Medicinski uređaji za in vitro dijagnostiku (IEC 61326-2-6:201X)

prEN IEC 62443-2-1:2019 en

Security for industrial automation and control systems – Part 2-1: Security program requirements for IACS asset owners (IEC 62443-2-1:201X)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

EN 55016-1-6:2015/prA2:2019 en

Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration (CISPR 16-1-6:2014/am2:201X)

Specifikacija uređaja i metoda za mjerenje radiosmetnja i otpornosti – Dio 1-6: Uređaji za mjerenje radiosmetnja i otpornosti – EMC umjeravanje antena (CISPR 16-1-6:2014/am2:201X)

HZN/TO Z1, Informacijska tehnologija

prEN 1332-3 en

Identification card systems – User Interface – Part 3: Key pads

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

prEN ISO 15091 en

Paints and varnishes – Determination of electrical conductivity and resistance (ISO/FDIS 15091:2019)
Boje i lakovi – Određivanje električne provodljivosti i otpora (ISO/FDIS 15091:2019)

prEN ISO 15184 en

Paints and varnishes – Determination of film hardness by pencil test (ISO/FDIS 15184:2019)
Boje i lakovi – Određivanje tvrdoće filma ispitivanjem s olovkom (ISO/FDIS 15184:2019)

prEN 17418 en

Two-component epoxy and polyurethane adhesives for on-site repair of cracked timber structures – Testing, requirements and repair strength verification
Dvokomponentni epoksidni i poliuretanski adhezivi za popravak napuknutih drvenih konstrukcija na licu mjesta – Testiranje, zahtjevi i provjera čvrstoće popravka

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

prEN 455-1 en

Medical gloves for single use – Part 1: Requirements and testing for freedom from holes
Medicinske rukavice za jednokratnu upotrebu – 1. dio: Zahtjevi i ispitivanje na postojanje rupa

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

EN ISO 3691-2:2016/prA2 en

Industrial trucks – Safety requirements and verification – Part 2: Self-propelled variable-reach trucks (ISO 3691-2:2016/DAMd 2:2019)
Industrijska vozila – Sigurnosni zahtjevi i verifikacija – 2. dio: Vozila na vlastiti pogon s promjenjivim dometom (ISO 3691-2:2016/DAMd 2:2019)

FprEN 4244 en

Aerospace series – Heat resisting alloy FE-PM1708 – Vacuum arc remelted – Hardened and tempered – Bar – a or D ≤ 200 mm – 1000 MPa ≤ Rm 1140 MPa

FprEN 4245:2019 en

Aerospace series – Heat resisting alloy FE-PM1708 – Vacuum arc remelted – As forged – Forging stock – De ≤ 300 mm

FprEN 4259:2019 en

Aerospace series – Metallic materials – Definition of general terms

FprEN 4260:2019 en

Aerospace series – Metallic materials – Rules for drafting and presentation of technical specifications

FprEN 4261:2019 en

Aerospace series – Metallic materials – Rules for drafting and presentation of test method standards

FprEN 4385:2019 en

Aerospace series – Non-metallic materials – General organization of standardization – Links between types of standards

HZN/TU U1, Opća elektrotehnika 1

prEN IEC 60068-3-7:2019 en

Environmental testing – Part 3-7: Supporting documentation and guidance – Measurements in temperature chambers for tests A and B (with load) (IEC 60068-3-7:201X)
Ispitivanje utjecaja okoliša – Dio 3-7: Popratna dokumentacija i upute – Mjerenja u ispitnim temperaturnim komorama za A i B ispitivanja (s opterećenjem) (IEC 60068-3-7:201X)

prEN IEC 62321-9:2019 en

Determination of certain substances in electrotechnical products – Part 9: Hexabromocyclododecane in polymers by chromatography-mass spectrometry (GC-MS) (IEC 62321-9:201X)
Utvrđivanje određenih tvari u elektrotehničkim proizvodima – 9. dio: Određivanje heksabromociklododekana u polimerima pomoću plinske kromatografije sa masenom spektrometrijom (GC-MS) (IEC 62321-9:201X)

HZN/TU V1, *Elektronika 1*

- prEN 50090-5-1 en
Home and Building Electronic Systems (HBES) – Part 5-1: Media and media dependent layers – Power line for HBES Class 1
- prEN 50090-5-2 en
Home and Building Electronic Systems (HBES) – Part 5-2: Media and media dependent layers – Network based on HBES Class 1, Twisted Pair
- EN 50491-11:2015/prAA en
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 11: Smart Metering – Application Specifications – Simple External Consumer Display
- prEN 50524 en
Data sheet for photovoltaic inverters
- prEN IEC 60512-9-5:2019 en
Connectors for electrical and electronic equipment – Tests and measurements – Part 9-5: Endurance tests – Test 9e: Current loading, cyclic (IEC 60512-9-5:201X)
- prEN IEC 60749-41:2019 en
Semiconductor devices – Mechanical and climatic test methods – Part 41: Standard reliability testing methods of non-volatile memory devices (IEC 60749-41:201X)
- prEN IEC 61169-60:2019 en
Radio-frequency connectors – Part 60: Sectional specifications RF coaxial connectors with inner diameter of outer conductors mm with Push on mating – Characteristics impedance 50 Ohm (type SMPM) (IEC 61169-60:201X)
- prEN IEC 61169-65:2019 en
Radio-Frequency-Connectors – Part 65: Sectional specification for RF coaxial connectors with 1,35 mm inner diameter of outer conductor, with screw coupling, 50 Ohm characteristic impedance, for use up to 90 GHz (IEC 61169-65:201X)
- prEN IEC 61169-66:2019 en
Radio-Frequency-Connectors – Part 66: Sectional specification for RF coaxial connectors with 5mm inner diameter of outer conductor, with screw- and snap-on coupling, 50 Ohm characteristic impedance, for use up to 6 GHz – Type 2,2-5 (IEC 61169-66:201X)
- prEN IEC 62024-2:2019 en
High frequency inductive components – Electrical characteristics and measuring methods – Part 2: Rated current of inductors for DC to DC converters (IEC 62024-2:201X)
- prEN IEC 62787:2019 en
Concentrator photovoltaic (CPV) solar cells and cell-on-carrier (COC) assemblies – Reliability qualification (IEC 62787:201X)
- prEN IEC 63093-2:2019 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 2: Pot-cores for use in telecommunications, power supply, and filter applications (IEC 63093-2:201X)
- prEN IEC 63093-3:2019 en
Ferrite cores – Guidelines on dimensions and the limits of surface irregularities – Part 3: Half pot-cores made of ferrite for inductive proximity switches (IEC 63093-3:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- EN 60127-2:2014/prA1:2019 en
Miniature fuses – Part 2: Cartridge fuse-links (IEC 60127-2:2014/am1:201X)
Minijaturni osigurači – 2. dio: Rastalni ulošci (IEC 60127-2:2014/am1:201X)
- EN 60127-3:2015/prA1:2019 en
Miniature fuses – Part 3: Sub-miniature fuse-links (IEC 60127-3:2015/am1:201X)
Minijaturni osigurači – 3. dio: Subminijaturni rastalni ulošci (IEC 60127-3:2015/am1:201X)

- EN 60456:2016/prAA:2019 en
Clothes washing machines for household use – Methods for measuring the performance
Perilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka
- prEN IEC 60704-2-1:2019 en
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-1: Particular requirements for vacuum cleaners (IEC 60704-2-1:201X)
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-1: Posebni zahtjevi za usisavače (IEC 60704-2-1:201X)
- prEN IEC 60779:2019 en
Installations for electroheating and electromagnetic processing – Test methods for electroslag remelting furnaces (IEC 60779:201X)
- prEN IEC 61558-2-1:2019 en
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications (IEC 61558-2-1:201X)
Sigurnost energetskih transformatora, izvora napajanja, prigušnica i sličnih proizvoda – Dio 2-1: Posebni zahtjevi i ispitivanja za odvojne transformatore i izvore napajanja s ugrađenim odvojnim transformatorima za opće primjene (IEC 61558-2-1:201X)
- prEN IEC 61558-2-16:2019 en
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units for general applications (IEC 61558-2-16:201X)
- prEN IEC 61558-2-4:2019 en
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-4: Particular requirements and tests for isolating transformers and power supply units incorporating isolating transformers for general applications (IEC 61558-2-4:201X)
- prEN IEC 61558-2-6:2019 en
Safety of transformers, reactors, power supply units and combinations thereof – Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers for general applications (IEC 61558-2-6:201X)
- prEN IEC 62512/prAA:2019 en
Electric clothes washer-dryers for household use – Methods for measuring the performance
- prEN IEC 62841-2-6:2019 en
Electric motor-operated tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (IEC 62841-2-6:201X)
- prEN IEC 62841-2-6:2019/prAA:2019 en
Electric motor-operated tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers
- prEN IEC 63067:2019 en
Electrical installations for lighting and beaconing of aerodromes – Connecting devices – General requirements and tests (IEC 63067:201X)
- prEN IEC 63169:2019 en
Electrical household and similar cooling and freezing appliances – Food preservation and storage (IEC 63169:201X)
- prEN IEC 63241-1:2019 en
Electric motor-operated tools – Dust measurement procedure – Part 1: General requirements (IEC 63241-1:201X)
- prEN IEC 63241-2-6:2019 en
Electric motor-operated tools – Dust measurement procedure – Part 2-6: Particular requirements for hand-held hammers (IEC 63241-2-6:201X)

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 8, *Brodogradnja*

- HRN EN ISO 9097:2017 en
Mala plovila – Električni ventilatori (ISO 9097:1991; EN ISO 9097:2017)
Small craft – Electric fans (ISO 9097:1991; EN ISO 9097:2017)
- bez zamjene

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN EN 1869:2005 en
Vatrogasni pokrivači (EN 1869:1997)
Fire blankets (EN 1869:1997)
- zamijenjena s: HRN EN 1869:2019
- HRN EN 13565-1:2008 en
Stabilni protupožarni sustavi – Sustavi s pjenom – 1. dio: Zahtjevi i metode ispitivanja dijelova (EN 13565-1:2003+A1:2007)
Fixed firefighting systems – Foam systems – Part 1: Requirements and test methods for components (EN 13565-1:2003+A1:2007)
- zamijenjena s: HRN EN 13565-1:2019
- HRN EN 15182-3:2010 en
Ručne mlaznice za vatrogasnu uporabu – 3. dio: Ručne mlaznice PN 16 s punim mlazom i /ili s jednim fiksnim kutom raspršenog mlaza (EN 15182-3:2007+A1:2009)
Hand-held branchpipes for fire service use – Part 3: Smooth bore jet and/or one fixed spray jet angle branchpipes PN 16 (EN 15182-3:2007+A1:2009)
- zamijenjena s: HRN EN 15182-3:2019
- HRN EN 15182-4:2010 en
Ručne mlaznice za vatrogasnu uporabu – 4. dio: Visokotlačne ručne mlaznice PN 40 (EN 15182-4:2007+A1:2009)
Hand-held branchpipes for fire service use – Part 4: High pressure branchpipes PN 40 (EN 15182-4:2007+A1:2009)
- zamijenjena s: HRN EN 15182-4:2019

HZN/TO 28, *Naftni proizvodi i maziva*

- HRN EN ISO 3924:2016 en
Naftni proizvodi – Određivanje područja destilacije – Metoda plinske kromatografije (ISO 3924:2016; EN ISO 3924:2016)
Petroleum products – Determination of boiling range distribution – Gas chromatography method (ISO 3924:2016; EN ISO 3924:2016)
- zamijenjena s: HRN EN ISO 3924:2019

HZN/TO 71, *Beton*

- HRN EN 12350-1:2009 en
Ispitivanje svježega betona – 1. dio: Uzorkovanje (EN 12350-1:2009)
Testing fresh concrete – Part 1: Sampling (EN 12350-1:2009)
- zamijenjena s: HRN EN 12350-1:2019
- HRN EN 12350-2:2009 en
Ispitivanje svježega betona – 2. dio: Ispitivanje slijeganjem (EN 12350-2:2009)
Testing fresh concrete – Part 2: Slump-test (EN 12350-2:2009)
- zamijenjena s: HRN EN 12350-2:2019
- HRN EN 12350-3:2009 en
Ispitivanje svježega betona – 3. dio: Vebe ispitivanje (EN 12350-3:2009)
Testing fresh concrete – Part 3: Vebe test (EN 12350-3:2009)
- zamijenjena s: HRN EN 12350-3:2019
- HRN EN 12350-4:2009 en
Ispitivanje svježega betona – 4. dio: Stupanj zbijenosti (EN 12350-4:2009)
Testing fresh concrete – Part 4: Degree of compactability (EN 12350-4:2009)
- zamijenjena s: HRN EN 12350-4:2019

- HRN EN 12350-5:2009 en
Ispitivanje svježega betona – 5. dio: Ispitivanje rasprostiranjem (EN 12350-5:2009)
Testing fresh concrete – Part 5: Flow table test (EN 12350-5:2009)
- zamijenjena s: HRN EN 12350-5:2019

- HRN EN 12350-6:2009 en
Ispitivanje svježega betona – 6. dio: Gustoća (EN 12350-6:2009)
Testing fresh concrete – Part 6: Density (EN 12350-6:2009)
- zamijenjena s: HRN EN 12350-6:2019

- HRN EN 12350-7:2009 en
Ispitivanje svježega betona – 7. dio: Sadržaj pora – Tlačne metode (EN 12350-7:2009)
Testing fresh concrete – Part 7: Air content – Pressure methods (EN 12350-7:2009)
- zamijenjena s: HRN EN 12350-7:2019

- HRN EN 12350-8:2010 en
Ispitivanje svježega betona – 8. dio: Samozbijajući beton – Ispitivanje rasprostiranja slijeganjem (EN 12350-8:2010)
Testing fresh concrete – Part 8: Self-compacting concrete – Slump-flow test (EN 12350-8:2010)
- zamijenjena s: HRN EN 12350-8:2019

- HRN EN 12390-2:2009 en
Ispitivanje očvrstnula betona – 2. dio: Izrada i njega ispitnih uzoraka za ispitivanje čvrstoća (EN 12390-2:2009)
Testing hardened concrete – Part 2: Making and curing specimens for strength tests (EN 12390-2:2009)
- zamijenjena s: HRN EN 12390-2:2019

- HRN EN 12390-3:2009 en
Ispitivanje očvrstnula betona – 3. dio: Tlačna čvrstoća ispitnih uzoraka (EN 12390-3:2009)
Testing hardened concrete – Part 3: Compressive strength of test specimens (EN 12390-3:2009)
- zamijenjena s: HRN EN 12390-3:2019

- HRN EN 12390-3:2009/Ispr.1:2012 en
Ispitivanje očvrstnula betona – 3. dio: Tlačna čvrstoća ispitnih uzoraka (EN 12390-3:2009/AC:2011)
Testing hardened concrete – Part 3: Compressive strength of test specimens (EN 12390-3:2009/AC:2011)
- zamijenjena s: HRN EN 12390-3:2019

- HRN EN 12390-5:2009 en
Ispitivanje očvrstnula betona – 5. dio: Čvrstoća ispitnih uzoraka na savijanje (EN 12390-5:2009)
Testing hardened concrete – Part 5: Flexural strength of test specimens (EN 12390-5:2009)
- zamijenjena s: HRN EN 12390-5:2019

- HRN EN 12390-7:2009 en
Ispitivanje očvrstnula betona – 7. dio: Gustoća očvrstnula betona (EN 12390-7:2009)
Testing hardened concrete – Part 7: Density of hardened concrete (EN 12390-7:2009)
- zamijenjena s: HRN EN 12390-7:2019

- HRN EN 12390-8:2009 en
Ispitivanje očvrstnula betona – 8. dio: Dubina prodora vode pod tlakom (EN 12390-8:2009)
Testing hardened concrete – Part 8: Depth of penetration of water under pressure (EN 12390-8:2009)
- zamijenjena s: HRN EN 12390-8:2019

- HRN EN 12504-1:2009 en
Ispitivanje betona u konstrukcijama – 1. dio: Izvađeni ispitni uzorci – Uzimanje, pregled i ispitivanje tlačne čvrstoće (EN 12504-1:2009)
Testing concrete in structures – Part 1: Cored specimens – Taking, examining and testing in compression (EN 12504-1:2009)
- zamijenjena s: HRN EN 12504-1:2019

- HRN EN 13791:2007 en
Ocjena in-situ tlačne čvrstoće u konstrukcijama i predgotovljenim betonskim dijelovima (EN 13791:2007)
Assessment of in-situ compressive strength in structures and precast concrete components (EN 13791:2007)
- zamijenjena s: HRN EN 13791:2019

HZN/TO 92, *Zaštita od požara*

HRN ENV 13381-7:2008 en

Ispitne metode za određivanje doprinosa otpornosti na požar konstrukcijskih elemenata – 7. dio: Zaštita primjenjena na drvenim elementima (ENV 13381-7:2002)
Test methods for determining the contribution to the fire resistance of structural members – Part 7: Applied protection to timber members (ENV 13381-7:2002)
- zamijenjena s: HRN EN 13381-7:2019

HRN EN 15269-1:2010 en

Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 1. dio: Opći zahtjevi (EN 15269-1:2010)
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 1: General requirements (EN 15269-1:2010)
- zamijenjena s: HRN EN 15269-1:2019

HZN/TO 146, *Kvaliteta zraka*

HRN EN 13098:2008 en

Atmosfera radnih prostora – Smjernice za mjerenje mikroorganizama i endotoksina u zraku (EN 13098:2000)
Workplace atmosphere – Guidelines for measurement of airborne micro-organisms and endotoxin (EN 13098:2000)
- zamijenjena s: HRN EN 13098:2019

HZN/TO 159, *Ergonomija*

HRN EN ISO 9241-210:2010 en

Ergonomija interakcije čovjek-sustav – 210. dio: Dizajn interaktivnih sustava prilagođenih ljudima (ISO 9241-210:2010; EN ISO 9241-210:2010)
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems (ISO 9241-210:2010; EN ISO 9241-210:2010)
- zamijenjena s: HRN EN ISO 9241-210:2019

HRN EN ISO 10551:2003 en

Ergonomija toplinskog okoliša – Ocjena utjecaja toplinskog okoliša uporabom ljestvice subjektivne prosudbe (ISO 10551:1995; EN ISO 10551:2001)
Ergonomics of the thermal environment – Assessment of the influence of the thermal environment using subjective judgement scales (ISO 10551:1995; EN ISO 10551:2001)
- zamijenjena s: HRN EN ISO 10551:2019

HRN EN ISO 14915-3:2007 en

Programska ergonomija za multimedijska korisnička sučelja – 3. dio: Odabir i kombinacija medija (ISO 14915-3:2002; EN ISO 14915-3:2002)
Software ergonomics for multimedia user interfaces – Part 3: Media selection and combination (ISO 14915-3:2002; EN ISO 14915-3:2002)
- bez zamjene

HZN/TO 163, *Toplinska izolacija*

HRN EN 1609:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje kratkotrajne vodoupojnosti kod kratkotrajnog djelomičnog uranjanja (EN 1609:2013)
Thermal insulating products for building applications – Determination of short term water absorption by partial immersion (EN 1609:2013)
- zamijenjena s: HRN EN ISO 29767:2019

HRN EN 12087:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje dugotrajne vodoupojnosti pri uranjanju (EN 12087:2013)
Thermal insulating products for building applications – Determination of long term water absorption by immersion (EN 12087:2013)
- zamijenjena s: HRN EN ISO 16535:2019

HRN EN 12088:2013 en

Toplinsko-izolacijski proizvodi za graditeljstvo – Određivanje dugotrajne vodoupojnosti pri difuziji (EN 12088:2013)
Thermal insulating products for building applications – Determination of long term water absorption by diffusion (EN 12088:2013)
- zamijenjena s: HRN EN ISO 16536:2019

HRN EN 13494:2004 en

Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje vlačne čvrstoće prionljivosti ljepila i temeljnog sloja na toplinsko-izolacijskom materijalu (EN 13494:2002)
Thermal insulation products for building applications – Determination of the tensile bond strength of the adhesive and of the base coat to the thermal insulation material (EN 13494:2002)
- zamijenjena s: HRN EN 13494:2019

HRN EN 13495:2004 en

Toplinsko-izolacijski proizvodi za primjenu u zgradarstvu – Određivanje otpornosti na čupanje povezanih sustava za vanjsku toplinsku izolaciju (ETICS) (ispitivanje pjenastim blokom) (EN 13495:2002)
Thermal insulation products for building applications – Determination of the pull-off resistance of external thermal insulation composite systems (ETICS) (foam block test) (EN 13495:2002)
- zamijenjena s: HRN EN 13495:2019

HRN EN 15101-1:2013 en

Toplinsko-izolacijski proizvodi za zgrade – Na mjestu oblikovani izolacijski proizvodi od celuloznog punila (LFCI) – 1. dio: Specifikacija za proizvode prije ugradnje (EN 15101-1:2013)
Thermal insulation products for buildings – In-situ formed loose fill cellulose (LFCI) products – Part 1: Specification for the products before installation (EN 15101-1:2013)
- zamijenjena s: HRN EN 15101-1:2019

HZN/TO 165, *Drvene konstrukcije*

HRN EN 14081-1:2016 en

Drvene konstrukcije – Konstrukcijsko drvo pravokutnoga poprečnog presjeka razvrstano prema čvrstoći – 1. dio: Opći zahtjevi (EN 14081-1:2016)
Timber structures – Strength graded structural timber with rectangular cross section – Part 1: General requirements (EN 14081-1:2016)
- zamijenjena s: HRN EN 14081-1:2019

HZN/TO 172, *Optika i optički instrumenti*

HRN EN ISO 11979-9:2008 en

Oftalmološki implantanti – Intraokularne leće – 9. dio: Višežarišne intraokularne leće (ISO 11979-9:2006; EN ISO 11979-9:2006)
Ophthalmic implants – Intraocular lenses – Part 9: Multifocal intraocular lenses (ISO 11979-9:2006; EN ISO 11979-9:2006)
- zamijenjena s: HRN EN ISO 11979-7:2018

HRN EN ISO 11979-9:2008/A1:2014 en

Oftalmološki implantanti – Intraokularne leće – 9. dio: Višežarišne intraokularne leće (ISO 11979-9:2006/Amd 1:2014; EN ISO 11979-9:2006/A1:2014)
Ophthalmic implants – Intraocular lenses – Part 9: Multifocal intraocular lenses (ISO 11979-9:2006/Amd 1:2014; EN ISO 11979-9:2006/A1:2014)
- zamijenjena s: HRN EN ISO 11979-7:2018

HRN EN ISO 14880-1:2016 en

Optika i fotonika – Poredak mikroleća – 1. dio: Terminološki rječnik i opća svojstva (ISO 14880-1:2016; EN ISO 14880-1:2016)
Optics and photonics – Microlens arrays – Part 1: Vocabulary and general properties (ISO 14880-1:2016; EN ISO 14880-1:2016)
- zamijenjena s: HRN EN ISO 14880-1:2019

HZN/TO 196, *Prirodni kamen*

HRN EN 12407:2008 en

Metode ispitivanja prirodnoga kamena – Petrografsko ispitivanje (EN 12407:2007)
Natural stone test methods – Petrographic examination (EN 12407:2007)
- zamijenjena s: HRN EN 12407:2019

HRN EN 12670:2003 en

Prirodni kamen – Nazivlje (EN 12670:2001)
Natural stone – Terminology (EN 12670:2001)
- zamijenjena s: HRN EN 12670:2019

HZN/TO 218, *Drvo*

HRN EN 844-1:1999 en,fr,de

Oblo i piljeno drvo – Nazivlje – 1. dio: Opći nazivi zajednički za oblo i piljeno drvo (EN 844-1:1995)
Round and sawn timber – Terminology – Part 1: General terms common to round timber and sawn timber (EN 844-1:1995)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-2:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 2. dio: Opći nazivi povezani s oblim drvom (EN 844-2:1997)
Round and sawn timber – Terminology – Part 2: General terms relating to round timber (EN 844-2:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-3:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 3. dio: Opći nazivi u svezi s piljenim drvom (EN 844-3:1995)
Round and sawn timber – Terminology – Part 3: General terms relating to sawn timber (EN 844-3:1995)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-4:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 4. dio: Nazivi vezani uz sadržaj vlage (EN 844-4:1997)
Round and sawn timber – Terminology – Part 4: Terms relating to structure content (EN 844-4:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-5:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 5. dio: Nazivi povezani s dimenzijama obloga drva (EN 844-5:1997)
Round and sawn timber – Terminology – Part 5: Terms relating to dimensions of round timber (EN 844-5:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-6:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 6. dio: Nazivi vezani uz mjere piljene građe (EN 844-6:1997)
Round and sawn timber – Terminology – Part 6: Terms relating to dimensions of sawn timber (EN 844-6:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-7:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 7. dio: Nazivi povezani s anatomskom strukturom drva (EN 844-7:1997)
Round and sawn timber – Terminology – Part 7: Terms relating to anatomical structure of timber (EN 844-7:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-8:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 8. dio: Nazivi povezani sa značajkama obloga drva (EN 844-8:1997)
Round and sawn timber – Terminology – Part 8: Terms relating to features of round timber (EN 844-8:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-9:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 9. dio: Nazivi povezani sa značajkama piljenoga drva (EN 844-9:1997)
Round and sawn timber – Terminology – Part 9: Terms relating to features of sawn timber (EN 844-9:1997)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-10:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 10. dio: Nazivi povezani s promjenom boje i napadom gljiva (EN 844-10:1998)
Round and sawn timber – Terminology – Part 10: Terms relating to stain and fungal attack (EN 844-10:1998)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-11:1999 en,fr,de
Oblo i piljeno drvo – Nazivlje – 11. dio: Nazivi povezani s oštećenjem drva od insekata (EN 844-11:1998)
Round and sawn timber – Terminology – Part 11: Terms relating to degrade by insects (EN 844-11:1998)
- zamijenjena s: HRN EN 844:2019

HRN EN 844-12:2001 en,fr,de
Oblo i piljeno drvo – Nazivlje – 12. dio: Dodatni nazivi i kazalo (EN 844-12:2000)
Round and sawn timber – Terminology – Part 12: Additional terms and general index (EN 844-12:2000)
- zamijenjena s: HRN EN 844:2019

HRN/TO 221, *Geosintetici*

HRN EN ISO 11058:2010 en
Geotekstili i proizvodi srodni s geotekstilom – Određivanje vodopropusnosti okomito na ravninu, bez opterećenja (ISO 11058:2010; EN ISO 11058:2010)
Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2010; EN ISO 11058:2010)
- zamijenjena s: HRN EN ISO 11058:2019

HRN EN 14150:2008 en
Geosintetičke barijere – Određivanje propusnosti tekućina (EN 14150:2006)
Geosynthetic barriers – Determination of permeability to liquids (EN 14150:2006)
- zamijenjena s: EN 14150:2019

HZN/TO 503, *Metalni materijali*

HRN EN 573-3:2014 en
Aluminij i aluminijeve legure – Kemijski sastav i oblik gnječanih proizvoda – 3. dio: Kemijski sastav i oblik proizvoda (EN 573-3:2013)
Aluminium and aluminium alloys – Chemical composition and form of wrought products – Part 3: Chemical composition and form of products (EN 573-3:2013)
- zamijenjena s: HRN EN 573-3:2019

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

HRN EN 12954:2001 en
Katodna zaštita ukopanih ili uronjenih metalnih objekata – Opća načela i primjena za cjevovode (EN 12954:2001)
Cathodic protection of buried or immersed metallic structures – General principles and application for pipelines (EN 12954:2001)
- zamijenjena s: HRN EN 12954:2019

HZN/TO 505, *Prijenos i distribucija plina*

HRN EN 334:2010 en
Regulatori tlaka za plin do 100 bar (EN 334:2005+A1:2009)
Gas pressure regulators for inlet pressures up to 100 bar (EN 334:2005+A1:2009)
- zamijenjena s: HRN EN 334:2019

HRN EN 14382:2010 en
Sigurnosni uređaji za plinske redukcijske stanice i instalacije – Regulatori tlaka za plin do 100 bar (EN 14382:2005+A1:2009+AC:2009)
Safety devices for gas pressure regulating stations and installations – Gas safety shut-off devices for inlet pressures up to 100 bar (EN 14382:2005+A1:2009+AC:2009)
- zamijenjena s: HRN EN 14382:2019

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

HRN EN ISO 13679:2008 en
Industrija nafte i prirodnoga plina – Postupci ispitivanja zaštitnih i proizvodnih cijevnih priključaka (ISO 13679:2006; EN ISO 13679:2006)
Petroleum and natural gas industries – Procedures for testing casing and tubing connections (ISO 13679:2006; EN ISO 13679:2006)
- zamijenjena s: HRN EN ISO 13679:2019

HRN EN ISO 19906:2012 en
Industrija nafte i prirodnoga plina – Odobalni objekti na Arktiku (ISO 19906:2010; EN ISO 19906:2010)
Petroleum and natural gas industries – Arctic offshore structures (ISO 19906:2010; EN ISO 19906:2010)
- zamijenjena s: HRN EN ISO 19906:2019

HZN/TO 508, *Ambalaža i pakiranje*

HRN CEN/TR 13695-2:2007 en
Ambalaža – Zahtjevi za mjerenje i ovjeravanje četiriju teških metala i drugih opasnih tvari prisutnih u ambalaži i njihovo otpuštanje u okoliš – 2. dio: Zahtjevi za mjerenje i ovjeravanje opasnih tvari prisutnih u ambalaži i njihovo otpuštanje u okoliš (CEN/TR 13695-2:2004)
Packaging – Requirements for measuring and verifying the four heavy metals and other dangerous substances present in packaging, and their release into the environment – Part 2: Requirements for measuring and verifying dangerous substances present in packaging, and their release into the environment (CEN/TR 13695-2:2004)
- zamijenjena s: HRI CEN/TR 13695-2:2019

HZN/TO 509, *Cestovna oprema*

HRN EN 12767:2008 en
Pasivna sigurnost nosača cestovne opreme – Zahtjevi, razredba i ispitne metode (EN 12767:2007)
Passive safety of support structures for road equipment – Requirements, classification and test methods (EN 12767:2007)
- zamijenjena s: HRN EN 12767:2019

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN 13757-4:2013 en
Sustavi komunikacije kod mjerila i daljinsko očitavanje mjerila – 4. dio: Bežično očitavanje mjerila (Očitavanje mjerila radiovezom u SRD pojasu) (EN 13757-4:2013)
Communication systems for meters and remote reading of meters – Part 4: Wireless meter readout (Radio meter reading for operation in SRD bands) (EN 13757-4:2013)
- zamijenjena s: HRN EN 13757-4:2019

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 15102:2011 en
Dekorativni zidni pokrovi – Role i ploče (EN 15102:2007+A1:2011)
Decorative wall coverings – Roll and panel form (EN 15102:2007+A1:2011)
- zamijenjena s: HRN EN 15102:2019

HZN/TO 521, Usluge održavanja

HRN EN 15341:2009 en
Održavanje – Ključni pokazatelji učinkovitosti održavanja (EN 15341:2007)
Maintenance – Maintenance Key Performance Indicators (EN 15341:2007)
- zamijenjena s: HRN EN 15341:2019

HZN/TO 524, Inteligentni transportni sustavi

HRI CEN/TR 12896-9:2016 en
Javni prijevoz – Referentni model podataka – 9. dio: Dokumentacija o informacijama (CEN/TR 12896-9:2016)
Public transport – Reference data model – Part 9: Informative documentation (CEN/TR 12896-9:2016)
- zamijenjena s: HRI CEN/TR 12896-9:2019

HRN EN 28701:2013 en
Inteligentni transportni sustavi – Javni prijevoz – Identifikacija nepomičnih objekata u javnom prijevozu (IFOPT) (EN 28701:2012)
Intelligent transport systems – Public transport – Identification of Fixed Objects in Public Transport (IFOPT) (EN 28701:2012)
- bez zamjene

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

HRN EN 507:2008 en
Krovopokrivački proizvodi od lima – Specifikacija za nenosive krovopokrivačke proizvode od aluminijskog lima (EN 507:1999)
Roofing products from metal sheet – Specification for fully supported roofing products of aluminium sheet (EN 507:1999)
- zamijenjena s: HRN EN 507:2019

HRN EN 508-2:2008 en
Krovopokrivački proizvodi od lima – Specifikacija za samonosive proizvode od čeličnog, aluminijskog ili nehrđajućeg čeličnog lima – 2. dio: Aluminij (EN 508-2:2008)
Roofing products from metal sheet – Specification for self-supporting products of steel, aluminium or stainless steel sheet – Part 2: Aluminium (EN 508-2:2008)
- zamijenjena s: HRN EN 508-2:2019

HRN EN 1849-2:2009 en
Savitljive hidroizolacijske trake – Određivanje debljine i mase po jedinici površine – 2. dio: Plastične i elastomerne hidroizolacijske trake (EN 1849-2:2009)
Flexible sheets for waterproofing – Determination of thickness and mass per unit area – Part 2: Plastic and rubber sheets (EN 1849-2:2009)
- zamijenjena s: HRN EN 1849-2:2019

HZN/TO 528, Oprema za željeznice

HRN EN 15152:2008 en
Željeznički sustav – Prednja stakla za upravljačnice vlakova (EN 15152:2007)
Railway applications – Front windscreens for train cabs (EN 15152:2007)
- zamijenjena s: HRN EN 15152:2019

HZN/TO 531, Plastika i guma

HRN EN ISO 1403:2008 en
Gumena crijeva ojačana tekstilom opće namjene za vodu – Specifikacija (ISO 1403:2005; EN ISO 1403:2008)
Rubber hoses, textile-reinforced, for general-purpose water applications – Specification (ISO 1403:2005; EN ISO 1403:2008)
- zamijenjena s: HRN EN ISO 1403:2019

HRN EN ISO 4577:2008 en
Plastika – Polipropilen i kopolimeri polipropilena – Određivanje termooksidacijske postojanosti u zraku – Metoda u peći (ISO 4577:1983; EN ISO 4577:1999)
Plastics – Polypropylene and propylene-copolymers – Determination of thermal oxidative stability in air – Oven method (ISO 4577:1983; EN ISO 4577:1999)
- zamijenjena s: HRN EN ISO 4577:2019

HRN EN ISO 11833-1:2012 en
Plastika – Neomekšane poli(vinil-kloridne) ploče – Tipovi, dimenzije i karakteristike – 1. dio: Ploče debljine veće od 1 mm (ISO 11833-1:2012; EN ISO 11833-1:2012)
Plastics – Unplasticized poly(vinyl chloride) sheets – Types, dimensions and characteristics – Part 1: Sheets of thickness not less than 1 mm (ISO 11833-1:2012; EN ISO 11833-1:2012)
- zamijenjena s: HRN EN ISO 11833-1:2019

HRN EN ISO 11963:2012 en
Plastika – Polikarbonatne ploče – Vrste, dimenzije i karakteristike (ISO 11963:2012; EN ISO 11963:2012)
Plastics – Polycarbonate sheets – Types, dimensions and characteristics (ISO 11963:2012; EN ISO 11963:2012)
- zamijenjena s: HRN EN ISO 11963:2019

HRN EN 13100-2:2008 en
Nerazorno ispitivanje zavarenih spojeva u plastomernim poluproizvodima – 2. dio: Rendgensko radiografsko ispitivanje (EN 13100-2:2004)
Non-destructive testing of welded joints in thermoplastics semi-finished products – Part 2: X-ray radiographic testing (EN 13100-2:2004)
- zamijenjena s: HRN EN 13100-2:2019

HRN EN ISO 21970-1:2018 en
Plastika – Poliketone (PK) materijali za kalupljenje i ekstruziju – 1. dio: Sustav označavanja i osnova specifikacija (ISO 21970-1:2018; EN ISO 21970-1:2018)
Plastics – Polyketone (PK) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 21970-1:2018; EN ISO 21970-1:2018)
- zamijenjena s: HRN EN ISO 21970-1:2019

HRN EN ISO 21970-2:2018 en
Plastika – Poliketone (PK) materijali za kalupljenje i ekstruziju – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 21970-2:2018; 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; EN ISO 21970-2:2018)
- zamijenjena s: HRN EN ISO 21970-2:2019

HZN/TO 532, Dimnjaci

HRN EN 13384-1:2015 en
Dimnjaci – Metode toplinskog proračuna i proračuna dinamike fluida – 1. dio: Dimnjaci s jednim uređajem za loženje (EN 13384-1:2015)
Chimneys – Thermal and fluid dynamic calculation methods – Part 1: Chimneys serving one heating appliance (EN 13384-1:2015)
- zamijenjena s: HRN EN 13384-1:2019

HRN EN 13384-2:2015 en
Dimnjaci – Metode toplinskog proračuna i proračuna dinamike fluida – 2. dio: Dimnjaci s više uređaja za loženje (EN 13384-2:2015)
Chimneys – Thermal and fluid dynamic calculation methods – Part 2: Chimneys serving more than one heating appliance (EN 13384-2:2015)
- zamijenjena s: HRN EN 13384-2:2019

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-2:2015 en
Bitumenske mješavine – Metode ispitivanja za asfalt proizveden vrućim postupkom – 2. dio: Određivanje granulometrijskog sastava (EN 12697-2:2015)
Bituminous mixtures – Test method – Part 2: Determination of particle size distribution (EN 12697-2:2015)
- zamijenjena s: HRN EN 12697-2:2019

HZN/TO 534, Spremnici za teret

HRN EN 14564:2014 en
Spremnici za prijevoz opasnih tvari – Nazivlje (EN 14564:2013)
Tanks for transport of dangerous goods – Terminology (EN 14564:2013)
- zamijenjena s: HRN EN 14564:2019

HZN/TO 535, Agregati

HRN EN 13383-2:2004 en
Kamenozaštite – 2. dio: Ispitne metode (EN 13383-2:2002)
Armourstone – Part 2: Test methods (EN 13383-2:2002)
- zamijenjena s: HRN EN 13383-2:2019

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

HRN EN 1527:2013 en
Građevni okovi – Okovi za klizna i složiva vrata – Zahtjevi i ispitne metode (EN 1527:2013)
Building hardware – Hardware for sliding doors and folding doors – Requirements and test methods (EN 1527:2013)
- zamijenjena s: HRN EN 1527:2019

HRN EN 12150-1:2015 en
Staklo u graditeljstvu – Toplinski kaljeno natrij-kalcij-silikatno sigurnosno staklo – 1. dio: Definicija i opis (EN 12150-1:2015)
Glass in building – Thermally toughened soda lime silicate safety glass – Part 1: Definition and description (EN 12150-1:2015)
- zamijenjena s: HRN EN 12150-1:2019

HRN EN 12758:2011 en
Staklo u graditeljstvu – Ostakljenje i izolacija od zvuka prenošenog zrakom – Opisi proizvoda i određivanje svojstava (EN 12758:2011)
Glass in building – Glazing and airborne sound insulation – Product descriptions and determination of properties (EN 12758:2011)
- zamijenjena s: HRN EN 12758:2019

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

HRN EN ISO 8560:2004 en
Tehnički crteži – Građevinski crteži – Prikaz modularnih mjera, crta i mreža (ISO 8560:1986; EN ISO 8560:1999)
Technical drawings – Construction drawings – Representation of modular sizes, lines and grids (ISO 8560:1986; EN ISO 8560:1999)
- zamijenjena s: HRN EN ISO 8560:2019

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 1276:2010 en
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu bakterioidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 1276:2009)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1) (EN 1276:2009)
- zamijenjena s: HRN EN 1276:2019

HRN EN 1276:2010/Ispr.1:2011 en
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu bakterioidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 1276:2009/AC:2010)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1) (EN 1276:2009/AC:2010)
- zamijenjena s: HRN EN 1276:2019

HRN EN 1650:2013 en
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu fungicidne djelotvornosti ili djelotvornosti na kvasce kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 1650:2008+A1:2013)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test method and requirements (phase 2, step 1) (EN 1650:2008+A1:2013)
- zamijenjena s: HRN EN 1650:2019

HRN EN 13697:2015 en
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini za procjenu bakterioidne i/ili fungicidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u područjima povezanim s hranom, u industriji, domaćinstvu i ustanovama – Metoda ispitivanja i zahtjevi bez mehaničkog djelovanja (faza 2, korak 2) (EN 13697:2015)
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test method and requirements without mechanical action (phase 2, step 2) (EN 13697:2015)
- zamijenjena s: HRN EN 13697:2019

HRN EN 14476:2015 en
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu virucidne djelotvornosti u medicini – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 14476:2013+A1:2015)
Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical area – Test method and requirements (Phase 2/Step 1) (EN 14476:2013+A1:2015)
- zamijenjena s: HRN EN 14476:2019

HZN/TO 549, Svjetlo i rasvjeta

HRN EN 13032-4:2015 en
Svjetlo i rasvjeta – Mjerenje i prikaz fotometrijskih podataka žarulja i svjetiljki – 4. dio: LED žarulje, moduli i svjetiljke (EN 13032-4:2015)
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 4: LED lamps, modules and luminaires (EN 13032-4:2015)
- zamijenjena s: HRN EN 13032-4:2019

HZN/TO 553, Predgotovljeni proizvodi

HRN EN 33:2012 en
WC školjke i WC garniture – Priklučne dimenzije (EN 33:2011)
WC pans and WC suites – Connecting dimensions (EN 33:2011)
- zamijenjena s: HRN EN 33:2019

HRN EN 33:2012/Ispr.1:2014 en
WC školjke i WC garniture – Priklučne dimenzije (EN 33:2011/AC:2013)
WC pans and WC suites – Connecting dimensions (EN 33:2011/AC:2013)
- zamijenjena s: HRN EN 33:2019

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 15225:2016 en
Medicinski proizvodi – Upravljanje kvalitetom – Nomenklatura strukture podataka medicinskih proizvoda (ISO 15225:2016; EN ISO 15225:2016)
Medical devices – Quality management – Medical device nomenclature data structure (ISO 15225:2016; EN ISO 15225:2016)
- bez zamjene

HZN/TO 557, Zaštitna odjeća

HRN EN 381-8:2001 en
Zaštitna odjeća za korisnike ručnih motornih lančanih pila – 8. dio: Ispitne metode za gamaše za zaštitu od motorne lančane pile (EN 381-8:1997)
Protective clothing for users of hand-held chainsaws – Part 8: Test methods for chain saw protective gaiters (EN 381-8:1997)
- zamijenjena s: HRN EN ISO 11393-5:2019

HRN EN 381-9:2001 en
Zaštitna odjeća za korisnike ručnih motornih lančanih pila – 9. dio: Zahtjevi za gamaše za zaštitu od motorne lančane pile (EN 381-9:1997)
Protective clothing for users of hand-held chainsaws – Part 9: Requirements for chain saw protective gaiters (EN 381-9:1997)
- zamijenjena s: HRN EN ISO 11393-5:2019

HRN EN 381-10:2003 en
Zaštitna odjeća za radnike koji rukuju motornim pilama – 10. dio: Ispitne metode za štitnike gornjih dijelova tijela (EN 381-10:2002)
Protective clothing for users of hand-held chainsaws – Part 10: Test methods for upper body protectors (EN 381-10:2002)
- zamijenjena s: HRN EN ISO 11393-6:2019

HRN EN 381-11:2003 en
Zaštitna odjeća za radnike koji rukuju motornim pilama – 11. dio: Zahtjevi za štitnike gornjih dijelova tijela (EN 381-11:2002)
Protective clothing for users of hand-held chainsaws – Part 11: Requirements for upper body protectors (EN 381-11:2002)
- zamijenjena s: HRN EN ISO 11393-6:2019

HRN CEN/TR 14560:2004 en
Smjernice za izbor, uporabu, njegu i održavanje odjeće za zaštitu od topline i plamena (CEN/TR 14560:2003)
Guidance for selection, use, care and maintenance of protective clothing against heat and flame (CEN/TR 14560:2003)
- zamijenjena s: HRI CEN/TR 14560:2019

HZN/TO 558, Zaštita dišnih putova

HRN EN 13274-2:2002 en
Zaštitne naprave za disanje – Metode ispitivanja – 2. dio: Ispitivanja svojstava u praksi (EN 13274-2:2001)
Respiratory protective devices – Methods of test – Part 2: Practical performance tests (EN 13274-2:2001)
- zamijenjena s: HRN EN 13274-2:2019

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 9554:2010 en
Vlaknasta užad – Opće specifikacije (ISO 9554:2010; EN ISO 9554:2010)
Fibre ropes – General specifications (ISO 9554:2010; EN ISO 9554:2010)
- zamijenjena s: HRN EN ISO 9554:2019

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

HRN EN 303-6:2008 en
Toplovodni kotlovi – 6. dio: Toplovodni kotlovi s predtlačnim plamenicima – Posebni zahtjevi za pripremu sanitarne tople vode u kombiniranim kotlovima s predtlačnim plamenicima na raspršeno ulje nazivnog toplinskog opterećenja do 70 kW (EN 303-6:2000)
Heating boilers – Part 6: Heating boilers with forced draught burners – Specific requirements for the domestic hot water operation of combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW (EN 303-6:2000)
- zamijenjena s: HRN EN 303-6:2019

HRN EN 13487:2004 en
Izmjenjivači topline – Kondenzatori rashladnog sredstva i "suhih hladnjaka" hlađenih prisilnom konvekcijom zraka – Mjerenje buke (EN 13487:2003)
Heat exchangers – Forced convection air cooled refrigerant condensers and "dry coolers" – Sound measurement (EN 13487:2003)
- zamijenjena s: HRN EN 13487:2019

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

HRN EN 893:2011 en
Planinarska oprema – Dereze – Sigurnosni zahtjevi i metode ispitivanja (EN 893:2010)
Mountaineering equipment – Crampons – Safety requirements and test methods (EN 893:2010)
- zamijenjena s: HRN EN 893:2019

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

HRN EN 14346:2007 en
Karakterizacija otpada – Izračunavanje suhe tvari određivanjem suhog ostatka ili sadržaja vode (EN 14346:2006)
Characterization of waste – Calculation of dry matter by determination of dry residue or water content (EN 14346:2006)
- bez zamjene

HZN/TO E9, Električna oprema za željeznicu

HRS CLC/TS 50238-3:2014 en
Željeznički sustav – Kompatibilnost između željezničkih vozila i sustava detekcije vlaka – 3. dio: Kompatibilnost s brojačima osovina (CLC/TS 50238-3:2013)
Railway applications – Compatibility between rolling stock and train detection systems – Part 3: Compatibility with axle counters (CLC/TS 50238-3:2013)
- zamijenjena s: HRS CLC/TS 50238-3:2019

HZN/TO E20, Električni kabeli

HRN IEC 60331-1:2013 en
Ispitivanja električnih kabela pod djelovanjem vatre – Cjelovitost izolacije – 1. dio: Ispitna metoda za ispitivanje u vatri pod udarom na temperaturi od najmanje 830 °C za kabele naponskog nivoa do i uključujući 0,6/1 kV i koji prelaze vanjski promjer 20 mm (IEC 60331-1:2009)
Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm (IEC 60331-1:2009)
- zamijenjena s: HRN EN IEC 60331-1:2019

HZN/TO E31, Eksplozivne atmosfere

HRN EN 1127-1:2012 en
Eksplozivne atmosfere – Sprječavanje i zaštita od eksplozije – 1. dio: Osnovna načela i metodologija (EN 1127-1:2011)
Explosive atmospheres – Explosion prevention and protection – Part 1: Basic concepts and methodology (EN 1127-1:2011)
- zamijenjena s: HRN EN 1127-1:2019

HZN/TO E42, Visokonaponska ispitivanja

HRN EN 61180-1:2008 en
Visokonaponska ispitna tehnika za niskonaponsku opremu – 1. dio: Definicije, zahtjevi za ispitivanja i postupke (IEC 61180-1:1992; EN 61180-1:1994)
High-voltage test techniques for low-voltage equipment – Part 1: Definitions, test and procedure requirements (IEC 61180-1:1992; EN 61180-1:1994)
- zamijenjena s: HRN EN 61180:2016

HRN EN 61180-2:2008 en
Visokonaponske ispitne tehnike za niskonaponsku opremu – 2. dio: Ispitna oprema (IEC 61180-2:1994; EN 61180-2:1994)
High-voltage test techniques for low-voltage equipment – Part 2: Test equipment (IEC 61180-2:1994; EN 61180-2:1994)
- zamijenjena s: HRN EN 61180:2016

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

HRN EN 14565:2008 en
Elastične podne obloge – Podne obloge na osnovi sintetskih termoplastičnih polimera – Specifikacija (EN 14565:2004)
Resilient floor coverings – Floor coverings based upon synthetic thermoplastic polymers – Specification (EN 14565:2004)
- zamijenjena s: HRN EN 14565:2019

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

HRN EN ISO 8502-12:2005 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 12. dio: Terenska metoda određivanja vodotopivih iona željeza titrimetrijskim postupkom (ISO 8502-12:2003; EN ISO 8502-12:2004)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 12: Field method for the titrimetric determination of water-soluble ferrous ions (ISO 8502-12:2003; EN ISO 8502-12:2004)
- bez zamjene

HZN/TU F1, Osnovne norme 1

- HRN EN 1047-1:2009 en
Jedinice za sigurno pohranjivanje – Klasifikacija i metode ispitivanja vatrootpornosti – 1. dio: Ormari za zaštitu podataka i spremnici za diskete (EN 1047-1:2005)
Secure storage units – Classification and methods of test for resistance to fire – Part 1: Data cabinets and diskette inserts (EN 1047-1:2005)
- zamijenjena s: HRN EN 1047-1:2019
- HRN EN 15659:2009 en
Secure storage units – Classification and methods of test for resistance to fire – Light fire storage units (EN 15659:2009)
- zamijenjena s: HRN EN 15659:2019

HZN/TU M1, Metalni materijali 1

- HRN EN ISO 11494:2016 en
Nakit – Određivanje platine u legurama platine za nakit – Metoda optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP-OES) upotrebom itrija kao unutrašnjega standardnog elementa (ISO 11494:2014; EN ISO 11494:2016)
Jewellery – Determination of platinum in platinum jewellery alloys – ICP-OES method using yttrium as internal standard element (ISO 11494:2014; EN ISO 11494:2016)
- zamijenjena s: HRN EN ISO 11494:2019
- HRN EN ISO 11495:2016 en
Određivanje paladija u legurama paladija za nakit – Metoda optičke emisijske spektrometrije s induktivno spregnutom plazmom (ICP-OES) upotrebom itrija kao unutrašnjega standardnog elementa (ISO 11495:2014; EN ISO 11495:2016)
Jewellery – Determination of palladium in palladium jewellery alloys – ICP-OES method using yttrium as internal standard element (ISO 11495:2014; EN ISO 11495:2016)
- zamijenjena s: HRN EN ISO 11495:2019
- HRN EN 23878:2008 en
Tvrđi metali – Ispitivanje tvrdoće prema Vickersu (ISO 3878:1983; EN 23878:1993)
Hardmetals – Vickers hardness test (ISO 3878:1983; EN 23878:1993)
- bez zamjene

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

- HRN EN ISO 16054:2008 en
Kirurški implantati – Minimalni skupovi podataka o kirurškim implantatima (ISO 16054:2000; EN ISO 16054:2002)
Implants for surgery – Minimum data sets for surgical implants (ISO 16054:2000; EN ISO 16054:2002)
- zamijenjena s: HRN EN ISO 16054:2019

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

- HRN EN 2465:2008 en
Nizovi o zrakoplovstvu – Čelik FE-PA3901 (X2CrNi18-9) – Omekšan – $450 \text{ MPa} \leq R_m \leq 680 \text{ MPa}$ – Šipke za strojnu obradu – $4 \text{ mm} \leq D_e \leq 100 \text{ mm}$ (EN 2465:2007)
Aerospace series – Steel FE-PA3901 (X2CrNi18-9) – Softened – $450 \text{ MPa} \leq R_m \leq 680 \text{ MPa}$ – Bar for machining – $4 \text{ mm} \leq D_e \leq 100 \text{ mm}$ (EN 2465:2007)
- zamijenjena s: HRN EN 2465:2019
- HRN EN 3155-009:2011 en
Nizovi o zrakoplovstvu – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 009. dio: Kontakti, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-009:2009)
Aerospace series – Electrical contacts used in elements of connection – Part 009: Contacts, electrical, female, type A, crimp, class S – Product standard (EN 3155-009:2009)
- zamijenjena s: HRN EN 3155-009:2019
- HRN EN 3155-026:2011 en
Nizovi o zrakoplovstvu – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – 026. dio: Kontakti, električni, muški, tip A, za krimpanje, razreda R – Norma za proizvod (EN 3155-026:2010)
Aerospace series – Electrical contacts used in elements of connection – Part 026: Contacts, electrical, male, type A, crimp, class R – Product standard (EN 3155-026:2010)
- zamijenjena s: HRN EN 3155-026:2019

- HRN EN 3155-027:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 027: Kontakti, električni, ženski, tip A, za krimpanje, razreda R – Norma za proizvod (EN 3155-027:2015)
Aerospace series – Electrical contacts used in elements of connection – Part 027: Contacts, electrical, female, type A, crimp, class R – Product standard (EN 3155-027:2015)
- zamijenjena s: HRN EN 3155-027:2019
- HRN EN 3155-065:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 065: Kontakti, električni, muški, tip A, za krimpanje, razreda S, veličina 8 – Norma za proizvod (EN 3155-065:2015)
Aerospace series – Electrical contacts used in elements of connection – Part 065: Contacts, electrical, male, type A, crimp, class S, size 8 – Product standard (EN 3155-065:2015)
- zamijenjena s: HRN EN 3155-065:2019
- HRN EN 3155-070:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 070: Kontakti, električni, muški, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-070:2014)
Aerospace series – Electrical contacts used in elements of connection – Part 070: Contacts, electrical, male, type A, crimp, class S – Product standard (EN 3155-070:2014)
- zamijenjena s: HRN EN 3155-070:2019
- HRN EN 3155-071:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 071: Kontakti, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-071:2014)
Aerospace series – Electrical contacts used in elements of connection – Part 071: Contacts, electrical, female, type A, crimp, class S – Product standard (EN 3155-071:2014)
- zamijenjena s: HRN EN 3155-071:2019
- HRN EN 3155-079:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 079: Kontakti veličine 22 za normu EN 2997, električni, ženski, tip A, za krimpanje, razreda S – Norma za proizvod (EN 3155-079:2014)
Aerospace series – Electrical contacts used in elements of connection – Part 079: Contacts size 22 for EN 2997, electrical, female, type A, crimp, class S – Product standard (EN 3155-079:2014)
- zamijenjena s: HRN EN 3155-079:2019
- HRN EN 3155-080:2015 en
Zrakoplovstvo – Električni kontakti koji se upotrebljavaju u elementima za povezivanje – Dio 080: Kontakti veličine 22 za normu EN 2997, električni, muški, tip A, za krimpanje, razreda T – Norma za proizvod (EN 3155-080:2014)
Aerospace series – Electrical contacts used in elements of connection – Part 080: Contacts size 22 for EN 2997, electrical, male, type A, crimp, class T – Product standard (EN 3155-080:2014)
- zamijenjena s: HRN EN 3155-080:2019
- HRN EN 3645-001:2015 en
Zrakoplovstvo – Spojnice, električne, okrugle, sa zaštitnim plaštom za pinove, za spajanje pomoću trostrukog navoja, stalne radne temperature $175 \text{ }^\circ\text{C}$ ili $200 \text{ }^\circ\text{C}$ – Dio 001: Tehničke specifikacije (EN 3645-001:2015)
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature $175 \text{ }^\circ\text{C}$ or $200 \text{ }^\circ\text{C}$ continuous – Part 001: Technical specification (EN 3645-001:2015)
- zamijenjena s: HRN EN 3645-001:2019
- HRN EN 3844-1:2012 en
Nizovi o zrakoplovstvu – Zapaljivost nemetalnih materijala – 1. dio: Ispitivanje malim plamenikom, vertikalno – Određivanje vertikalnog rasprostiranja plamena (EN 3844-1:2011)
Aerospace series – Flammability of non metallic materials – Part 1: Small burner test, vertical – Determination of the vertical flame propagation (EN 3844-1:2011)
- zamijenjena s: HRN EN 3844-1:2019
- HRN EN 3844-2:2012 en
Nizovi o zrakoplovstvu – Zapaljivost nemetalnih materijala – 2. dio: Ispitivanje malim plamenikom, horizontalno – Određivanje horizontalnog rasprostiranja plamena (EN 3844-2:2011)
Aerospace series – Flammability of non metallic materials – Part 2: Small burner test, horizontal – Determination of the horizontal flame propagation (EN 3844-2:2011)
- zamijenjena s: HRN EN 3844-2:2019

HRN EN 3844-3:2012 en

Nizovi o zrakoplovstvu – Zapaljivost nemetalnih materijala – 3. dio: Ispitivanje malim plamenikom, 45° – Određivanje otpornosti materijala na plamen i rasprostiranje plamena te prodor plamena (EN 3844-3:2011)
Aerospace series – Flammability of non metallic materials – Part 3: Small burner test, 45° – Determination of the resistance of material to flame and glow propagation and to flame penetration (EN 3844-3:2011)
- zamijenjena s: HRN EN 3844-3:2019

HRN EN 4056-003:2016 en

Zrakoplovstvo – Obujmice za kabelaške snopove – Dio 003: Plastične obujmice – Radne temperature od -65 °C do 105 °C i od -65 °C do 150 °C – Norma za proizvod (EN 4056-003:2016)
Aerospace series – Cable ties for harnesses – Part 003: Plastic cable ties – Operating temperatures -65 °C to 105 °C and -65 °C to 150 °C – Product standard (EN 4056-003:2016)
- zamijenjena s: HRN EN 4056-003:2019

HRN EN 4612-002:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 002. dio: Općenito (EN 4612-002:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 002: General (EN 4612-002:2011)
- zamijenjena s: HRN EN 4612-002:2019

HRN EN 4612-003:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 003. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-003:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 003: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-003:2011)
- zamijenjena s: HRN EN 4612-003:2019

HRN EN 4612-004:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 004. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom i okloptom (opleten) – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-004:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 004: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Single extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-004:2011)
- zamijenjena s: HRN EN 4612-004:2019

HRN EN 4612-005:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 005. dio: Bakar prevučeni kositrom – Radna temperatura između -65 °C i 135 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-005:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed – Part 005: Tin plated copper – Operating temperatures, between -65 °C and 135 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-005:2011)
- zamijenjena s: HRN EN 4612-005:2019

HRN EN 4612-007:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 007. dio: Bakar prevučeni srebrom – Radna temperatura između -65 °C i 150 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-007:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed – Part 007: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Single extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-007:2011)
- zamijenjena s: HRN EN 4612-007:2019

HRN EN 4612-008:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 008. dio: Bakar prevučeni srebrom – Radna temperatura između -65 °C i 150 °C – Jednostruka izolacija zida za upotrebu na otvorenom, sa oblogom i okloptom (opleten) – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-008:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly XLETFE Family jacketed or screened and jacketed – Part 008: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Single extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-008:2011)
- zamijenjena s: HRN EN 4612-008:2019

HRN EN 4612-009:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 009. dio: Bakar prevučeni srebrom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-009:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 009: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-009:2011)
- zamijenjena s: HRN EN 4612-009:2019

HRN EN 4612-010:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 010. dio: Bakar prevučeni srebrom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom i okloptom (opleten) – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-010:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 010: Silver plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-010:2011)
- zamijenjena s: HRN EN 4612-010:2019

HRN EN 4612-011:2012 en

Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 011. dio: Bakar prevučeni niklom – Radna temperatura između -65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, sa oblogom bez oklopa – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-011:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 011: Nickel plated copper – Operating temperatures, between -65 °C and 150 °C – Dual extruded wall for open applications, with jacket without screen – UV laser printable – Product standard (EN 4612-011:2011)
- zamijenjena s: HRN EN 4612-011:2019

HRN EN 4612-012:2012 en
Nizovi o zrakoplovstvu – Kabeli, električni, opće namjene, jednožilni i višezilni sklop – XLETFE porodica – Obloženi ili oklopljeni i obloženi – 012. dio: Bakar prevučeni niklom – Radna temperatura između – 65 °C i 150 °C – Dvostruka izolacija zida za upotrebu na otvorenom, s oblogom i okloptom (opleten) – Ispisivanje pomoću UV lasera – Norma za proizvod (EN 4612-012:2011)
Aerospace series – Cables, electrical, for general purpose, single and multicore assembly – XLETFE Family – Jacketed or screened and jacketed – Part 012: Nickel plated copper – Operating temperatures, between - 65 °C and 150 °C – Dual extruded wall for open applications, with jacket and screen (braid) – UV laser printable – Product standard (EN 4612-012:2011)
- zamijenjena s: HRN EN 4612-012:2019

HRN EN 4660-003:2011 en
Nizovi o zrakoplovstvu – Modularna i otvorena avionska arhitektura – 003. dio: Komunikacija/mreža (EN 4660-003:2011)
Aerospace series – Modular and Open Avionics Architectures – Part 003: Communications/Network (EN 4660-003:2011)
- zamijenjena s: HRN EN 4660-003:2019

HRN EN 4660-004:2011 en
Nizovi o zrakoplovstvu – Modularna i otvorena avionska arhitektura – 004. dio: Pakiranje (EN 4660-004:2011)
Aerospace series – Modular and Open Avionics Architectures – Part 004: Packaging (EN 4660-004:2011)
- zamijenjena s: HRN EN 4660-004:2019

HRN EN 4660-005:2011 en
Nizovi o zrakoplovstvu – Modularna i otvorena avionska arhitektura – 005. dio: Programska podrška (EN 4660-005:2011)
Aerospace series – Modular and Open Avionics Architectures – Part 005: Software (EN 4660-005:2011)
- zamijenjena s: HRN EN 4660-005:2019

HRN EN 12895:2015 en
Industrijska vozila – Elektromagnetska kompatibilnost (EN 12895:2015)
Industrial trucks – Electromagnetic compatibility (EN 12895:2015)
- zamijenjena s: HRN EN 12895:2019

HRN EN 13290-1:2008 en
Upravljanje svemirskim projektom – Opći zahtjevi – 1. dio: Politika i načela (EN 13290-1:1999)
Space project management – General requirements – Part 1: Policy and principles (EN 13290-1:1999)
- bez zamjene

HRN EN 14724:2008 en
Upravljanje svemirskim projektom – Izrada norma koja se odnose na svemir (EN 14724:2003)
Space project management – Tailoring of space standards (EN 14724:2003)
- bez zamjene

HRN EN 14725:2008 en
Svemirsko inženjerstvo – Potvrđivanje (EN 14725:2003)
Space engineering – Verification (EN 14725:2003)
- zamijenjena s: HRN EN 16603-10-02:2019

HZN/TU U1, Opća elektrotehnika 1

HRN EN 60974-4:2013 en
Oprema za elektrolučno zavarivanje – 4. dio: Periodični pregled i ispitivanje (IEC 60974-4:2010; EN 60974-4:2011)
Arc welding equipment – Part 4: Periodic inspection and testing (IEC 60974-4:2010; EN 60974-4:2011)
- zamijenjena s: HRN EN 60974-4:2016

HRN EN 60974-6:2011 en
Oprema za elektrolučno zavarivanje – 6. dio: Oprema s ograničenim radnim ciklusom (IEC 60974-6:2010; EN 60974-6:2011)
Arc welding equipment – Part 6: Limited duty equipment (IEC 60974-6:2010; EN 60974-6:2011)
- zamijenjena s: HRN EN 60974-6:2016

HRN EN 60974-10:2009 en
Oprema za elektrolučno zavarivanje – 10. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) (IEC 60974-10: 2007; EN 60974-10:2007)
Arc welding equipment – Part 10: Electro-magnetic compatibility (EMC) requirements (IEC 60974-10: 2007; EN 60974-10:2007)
- zamijenjena s: HRN EN 60974-10:2014

HRN EN 62135-1:2009 en
Oprema za elektrootporno zavarivanje – 1. dio: Sigurnosni zahtjevi za projektiranje, proizvodnju i instaliranje (IEC 62135-1:2008; EN 62135-1:2008)
Resistance welding equipment – Part 1: Safety requirements for design, manufacture and installation (IEC 62135-1:2008; EN 62135-1:2008)
- zamijenjena s: HRN EN 62135-1:2015

HRN EN 62135-2:2008 en
Oprema za elektrootporno zavarivanje – 2. dio: Zahtjevi za elektromagnetsku kompatibilnost (EMC) (IEC 62135-2:2007; EN 62135-2:2008)
Resistance welding equipment – Part 2: Electromagnetic compatibility (EMC) requirements (IEC 62135-2:2007; EN 62135-2:2008)
- zamijenjena s: HRN EN 62135-2:2015

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 E14, Energetski transformatori

• umjesto

HRN EN 60076-22-2:2019

Oprema za hlađenje energetskih transformatora i prigušnica – Dio 22-2: Odvojivi radijatori (IEC 60076-22-2:2019; **EN 60076-22-2:2019**)
Power transformer and reactor cooling equipment – Part 22-2: Removable radiators (IEC 60076-22-2:2019; **EN 60076-22-2:2019**)

• treba biti

HRN EN IEC 60076-22-2:2019

Oprema za hlađenje energetskih transformatora i prigušnica – Dio 22-2: Odvojivi radijatori (IEC 60076-22-2:2019; **EN IEC 60076-22-2:2019**)
Power transformer and reactor cooling equipment – Part 22-2: Removable radiators (IEC 60076-22-2:2019; **EN IEC 60076-22-2:2019**)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

Te su hrvatske norme ranije objavljene samo s naslovima na engleskome jeziku pa se sada objavljuju njihovi naslovi na hrvatskome jeziku.

HZN/TO 108, Mehaničke vibracije i udari

HRN EN ISO 28927-8:2010/A2:2019 en pr
Ručni prijenosni strojni alati – Metode ispitivanja za procjenu emisije vibracija – 8. dio: Pile, strojevi za poliranje i struganje s izmjeničnim djelovanjem i male pile s vibracijskim ili rotacijskim djelovanjem – Amandman 2: Oscilirajući noževi (alati s vibracijskim prosijavanjem) (ISO 28927-8:2009/Amd 2:2019; EN ISO 28927-8:2009/A2:2019)
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action – Amendment 2: Oscillating knives (vibrating screen removal tools) (ISO 28927-8:2009/Amd 2:2019; EN ISO 28927-8:2009/A2:2019)

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 14644-16:2019 en pr
Čisti prostori i odgovarajući kontrolirani okoliš – 16. dio: Energetska učinkovitost u čistim prostorima i separacijskim uređajima (ISO 14644-16:2019; EN ISO 14644-16:2019)
Cleanrooms and associated controlled environments – Part 16: Energy efficiency in cleanrooms and separative devices (ISO 14644-16:2019; EN ISO 14644-16:2019)

1.10 Prijevodi hrvatskih normativnih dokumenata

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

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

HRN EN 55032:2015 hr-en pr-pp
Elektromagnetska kompatibilnost multimedijske opreme
– Zahtjevi za emisiju (CISPR 32:2015; EN 55032:2015)
Electromagnetic compatibility of multimedia equipment
– Emission requirements (CISPR 32:2015; EN 55032:2015)

HRN EN 55032:2015/Ispr.1:2016 hr-en pr-pp
Elektromagnetska kompatibilnost multimedijske opreme
– Zahtjevi za emisiju (CISPR 32:2015/Corr.1:2016;
EN 55032:2015/AC:2016-07)
Electromagnetic compatibility of multimedia equipment
– Emission Requirements (CISPR 32:2015/Corr.1:2016;
EN 55032:2015/AC:2016-07)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.020 Nazivlje (načela i usklađivanje)

Međunarodna normizacija
ISO

ISO 24613-1:2019
Language resource management – Lexical markup framework (LMF) – Part 1: Core model

01.040.17 Mjeriteljstvo i mjerenje. Fizikalne pojave (Rječnici)

Europska normizacija
CEN

EN ISO 25178-73:2019
Geometrical product specifications (GPS) – Surface texture: Areal – Part 73: Terms and definitions for surface defects on material measures (ISO 25178-73:2019)

01.040.31 Elektronika (Rječnici)

Međunarodna normizacija
ISO

ISO 14880-1:2019
Optics and photonics – Microlens arrays – Part 1: Vocabulary

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Međunarodna normizacija
ISO

ISO/IEC 2382-36:2019
Information technology – Vocabulary – Part 36: Learning, education and training

01.040.49 Zrakoplovna i svemirska tehnika (Rječnici)

Međunarodna normizacija
ISO

ISO 10795:2019
Space systems – Programme management and quality – Vocabulary

01.040.91 Konstrukcijski materijali i gradnja (Rječnici)

Europska normizacija
CEN

EN 12670:2019
Natural stone – Terminology

01.110 Tehnička dokumentacija o proizvodu

Međunarodna normizacija
IEC

IEC 81346-2:2019
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 2: Classification of objects and codes for classes

03.080.30 Usluge za potrošače

Europska normizacija
CEN

EN 17226:2019
Beauty Salon Services – Requirements and recommendations for the provision of service

EN 17229:2019
Fitness centres – Requirements for centre amenities and operation – Operational and managerial requirements

03.100.01 Ustroj poduzeća i upravljanje poduzećem općenito

Međunarodna normizacija
IEC

IEC 31010:2019
Risk management – Risk assessment techniques

IEC 31010:2019
Risk management – Risk assessment techniques

03.100.70 Sustavi upravljanja

Europska normizacija
CEN

EN 16495:2019
Air Traffic Management – Information security for organisations supporting civil aviation operations

Međunarodna normizacija
IEC

QC 080000:2017
IEC Quality Assessment System for Electronic Components (IECQ System) – Hazardous Substance Process Management (HSPM) System Requirements

03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

Međunarodna normizacija
IEC

IECEx 01-S:2019
IEC System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres (IECEx System) – IECEx Supplement to Harmonized Basic Rules IEC CA 01

03.120.99 Ostale norme koje se odnose na kvalitetu

Europska normizacija
CENELEC

EN IEC 62881:2018/AC:2019
Cause and Effect Matrix (IEC 62881:2018/COR1:2019)

03.140 Patenti. Intelektualno vlasništvo

Europska normizacija
CEN

CWA 17431:2019
Principles and guidance for licensing Standard Essential Patents in 5G and the Internet of Things (IoT), including the Industrial Internet

CWA 95000:2019
Core Principles and Approaches for Licensing of Standard Essential Patents

03.220.50 Zračni prijevoz

Europska normizacija CEN

EN 16495:2019
Air Traffic Management – Information security for organisations supporting civil aviation operations

ETSI

EN 303364-3 V 1.1.1:2019
Primary Surveillance Radar (PSR) – Harmonised Standard for access to radio spectrum – Part 3: Air Traffic Control (ATC) PSR sensors operating in the frequency band 8500 MHz to 10000 MHz (X band)

03.220.99 Ostali oblici prijevoza

Europska normizacija CEN

CEN/TR 17370:2019
Public transport – Operating raw data and statistics exchange

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Međunarodna normizacija ISO

ISO 16054:2019
Implants for surgery – Minimum data sets for surgical implants

11.040.55 Dijagnostička oprema

Europska normizacija ETSI

EN 303520 V 1.2.1:2019
Short Range Devices (SRD) – Ultra Low Power (ULP) wireless medical capsule endoscopy devices operating in the band 430 MHz to 440 MHz – Harmonised Standard for access to radio spectrum

11.060.10 Stomatološki materijali

Europska normizacija CEN

EN ISO 4049:2019
Dentistry – Polymer-based restorative materials (ISO 4049:2019)

11.060.20 Stomatološka oprema

Europska normizacija CEN

EN ISO 27020:2019
Dentistry – Brackets and tubes for use in orthodontics (ISO 27020:2019)

Međunarodna normizacija ISO

ISO 27020:2019
Dentistry – Brackets and tubes for use in orthodontics

IEC

IEC 80601-2-60:2019
Medical electrical equipment – Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment

IEC 80601-2-60:2019
Medical electrical equipment – Part 2-60: Particular requirements for the basic safety and essential performance of dental equipment

11.100.10 In vitro dijagnostički ispitni sustavi

Međunarodna normizacija ISO

ISO 20916:2019
In vitro diagnostic medical devices – Clinical performance studies using specimens from human subjects – Good study practice

11.100.20 Biološko vrednovanje medicinskih proizvoda

Međunarodna normizacija ISO

ISO 20776-1:2019
Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices – Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases

11.180.01 Pomagala za osobe s invaliditetom općenito

Međunarodna normizacija ISO

ISO 20342-1:2019
Assistive products for tissue integrity when lying down – Part 1: General requirements

13.020.01 Okoliš i zaštita okoliša općenito

Europska normizacija CEN

EN ISO 17422:2019
Plastics – Environmental aspects – General guidelines for their inclusion in standards (ISO 17422:2018)

CENELEC

HD 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency (IEC 60364-8-1:2019)

HD 60364-8-1:2019/AC:2019
Low-voltage electrical installations – Part 8-1: Functional aspect – Energy efficiency (IEC 60364-8-1:2019/COR1:2019)

13.020.20 Ekogospodarstvo

Europska normizacija ETSI

ETSI TS 103463-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Sustainable Digital Multiservice Communities – Key Performance Indicators for Sustainable Digital Multiservice Areas – Part 2: Global KPIs for Sustainable Digital Multiservice Areas

ETSI TS 110174-2-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Sustainable Digital Multiservice Cities – Broadband Deployment and Energy Management – Part 2: Multiservice Networking Infrastructure and Associated Street Furniture – Sub-part 2: The use of lamp-posts for hosting sensing devices and 5G networking

13.020.40 Onečišćenje, nadzor nad onečišćenjem i zaštita od onečišćenja

Europska normizacija CEN

EN ISO 14090:2019
Adaptation to climate change – Principles, requirements and guidelines (ISO 14090:2019)

Međunarodna normizacija ISO

ISO 14090:2019
Adaptation to climate change – Principles, requirements and guidelines

ISO 20951:2019
Soil Quality – Guidance on methods for measuring greenhouse gases (CO₂, N₂O, CH₄) and ammonia (NH₃) fluxes between soils and the atmosphere

13.040.30 Atmosfera u radnome prostoru

Europska normizacija CEN

EN ISO 22065:2019
Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2019)

Međunarodna normizacija IEC

IEC 62990-1:2019
Workplace atmospheres – Part 1: Gas detectors – Performance requirements of detectors for toxic gases

13.040.35 Čiste sobe i srodni nadzirani okoliš

Europska normizacija CEN

EN ISO 14644-16:2019
Cleanrooms and associated controlled environments – Part 16: Energy efficiency in cleanrooms and separative devices (ISO 14644-16:2019)

13.060.60 Ispitivanje fizikalnih svojstava vode

Europska normizacija CEN

EN ISO 9697:2019
Water quality – Gross beta activity – Test method using thick source (ISO 9697:2018)

13.080.01 Kvaliteta tla i pedologija općenito

Međunarodna normizacija ISO

ISO 20951:2019
Soil Quality – Guidance on methods for measuring greenhouse gases (CO₂, N₂O, CH₄) and ammonia (NH₃) fluxes between soils and the atmosphere

13.080.30 Biološka svojstva tla

Međunarodna normizacija ISO

ISO 21479:2019
Soil quality – Determination of the effects of pollutants on soil flora – Leaf fatty acid composition of plants used to assess soil quality

13.080.99 Ostale norme koje se odnose na kvalitetu tla

Međunarodna normizacija ISO

ISO 15176:2019
Guidance on characterization of excavated soil and other materials intended for re-use

13.110 Sigurnost strojeva

Europska normizacija CEN

EN ISO 19085-7:2019
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines (ISO 19085-7:2019)

EN ISO 20607:2019
Safety of machinery – Instruction handbook – General drafting principles (ISO 20607:2019)

Međunarodna normizacija ISO

ISO 19085-7:2019
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines

ISO 20607:2019
Safety of machinery – Instruction handbook – General drafting principles

13.160 Utjecaj vibracija i udara na ljude

Europska normizacija CEN

EN ISO 28927-8:2009/A2:2019
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action – Amendment 2: Oscillating knives (vibrating screen removal tools) (ISO 28927-8:2009/Amd 2:2019)

13.180 Ergonomija

Međunarodna normizacija ISO

ISO 9241-210:2019
Ergonomics of human-system interaction – Part 210: Human-centred design for interactive systems

ISO 10551:2019
Ergonomics of the physical environment – Subjective judgement scales for assessing physical environments

13.220.10 Vatrogastvo

Međunarodna normizacija ISO

ISO 7203-1:2019
Fire extinguishing media – Foam concentrates – Part 1: Specification for low-expansion foam concentrates for top application to water-immiscible liquids

ISO 7203-2:2019
Fire extinguishing media – Foam concentrates – Part 2: Specification for medium- and high-expansion foam concentrates for top application to water-immiscible liquids

ISO 7203-3:2019
Fire extinguishing media – Foam concentrates – Part 3: Specification for low-expansion foam concentrates for top application to water-miscible liquids

ISO 14520-5:2019
Gaseous fire-extinguishing systems – Physical properties and system design – Part 5: FK-5-1-12 extinguishant

ISO 14520-8:2019
Gaseous fire-extinguishing systems – Physical properties and system design – Part 8: HFC 125 extinguishant

ISO 14520-9:2019
Gaseous fire-extinguishing systems – Physical properties and system design – Part 9: HFC 227ea extinguishant

ISO 14520-10:2019
Gaseous fire-extinguishing systems – Physical properties and system design – Part 10: HFC 23 extinguishant

13.220.50 Vatrootpornost građevnih materijala i elemenata

Europska normizacija CEN

EN 13381-7:2019
Test methods for determining the contribution to the fire resistance of structural members – Part 7: Applied protection to timber members

EN 15269-1:2019
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 1: General requirements

Međunarodna normizacija ISO

ISO 834-2:2019
Fire-resistance tests – Elements of building construction – Part 2: Requirements and recommendations for measuring furnace exposure on test samples

13.280 Zaštita od zračenja

Europska normizacija CENELEC

CLC IEC/TR 62461:2019
Radiation protection instrumentation – Determination of uncertainty in measurement (IEC/TR 62461:2015)

EN ISO 16637:2019
Radiological protection – Monitoring and internal dosimetry for staff members exposed to medical radionuclides as unsealed sources (ISO 16637:2016)

EN ISO 16645:2019
Radiological protection – Medical electron accelerators – Requirements and recommendations for shielding design and evaluation (ISO 16645:2016)

EN ISO 18417:2019
Iodine charcoal sorbents for nuclear facilities – Method for defining sorption capacity index (ISO 18417:2017)

Međunarodna normizacija ISO

ISO 20042:2019
Measurement of radioactivity – Gamma-ray emitting radionuclides – Generic test method using gamma-ray spectrometry

ISO 28057:2019
Clinical dosimetry – Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy

13.310 Zaštita od kriminala

Europska normizacija ETSI

ETSI TS 105176-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Ethernet and power over cables – Part 2: Ethernet and power over coaxial cables for IP video surveillance

Međunarodna normizacija IEC

IEC 62676-2-31:2019
Video surveillance systems for use in security applications – Part 2-31: Live streaming and control based on web services

IEC 62676-2-32:2019
Video surveillance systems for use in security applications – Part 2-32: Recording control and replay based on web services

13.320 Alarmni sustavi i sustavi uzbunjivanja

Međunarodna normizacija IEC

IEC 62990-1:2019
Workplace atmospheres – Part 1: Gas detectors – Performance requirements of detectors for toxic gases

13.340.30 Uređaji za zaštitu dišnih organa

Europska normizacija CEN

EN 13274-7:2019
Respiratory protective devices – Methods of test – Part 7: Determination of particle filter penetration

17.040.40 Geometrijska specifikacija proizvoda (GPS)

Europska normizacija CEN

EN ISO 25178-73:2019
Geometrical product specifications (GPS) – Surface texture: Areal – Part 73: Terms and definitions for surface defects on material measures (ISO 25178-73:2019)

17.140.20 Buka koju proizvode strojevi i oprema

Međunarodna normizacija ISO

ISO 21131:2019
Ships and marine technology – Marine cranes – Noise limits and measuring method

17.180.20 Boje i mjerenje svjetlosti

Europska normizacija CEN

EN 13032-4:2015+A1:2019
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 4: LED lamps, modules and luminaires

Međunarodna normizacija ISO

ISO/CIE 11664-1:2019
Colorimetry – Part 1: CIE standard colorimetric observers

ISO/CIE 11664-3:2019
Colorimetry – Part 3: CIE tristimulus values

ISO/CIE 11664-4:2019
Colorimetry – Part 4: CIE 1976 L*a*b* colour space

17.220.20 Mjerenje električnih i magnetskih veličina

Međunarodna normizacija IEC

IEC 61010-2-032:2019
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-032: Particular requirements for HAND-HELD and hand-manipulated current sensors for electrical test and measurement

IEC 61010-2-033:2019
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-033: Particular requirements for hand-held multimeters for domestic and professional use, capable of measuring MAINS voltage

17.240 Mjerenja zračenja

Europska normizacija CEN

EN ISO 9697:2019
Water quality – Gross beta activity – Test method using thick source (ISO 9697:2018)

EN ISO 21484:2019
Nuclear Energy – Fuel technology – Determination of the O/M ratio in MOX pellets by the gravimetric method (ISO 21484:2017)

CENELEC

EN 62209-2:2010/A1:2019
Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) (IEC 62209-2:2010/A1:2019)

CLC IEC/TR 62461:2019
Radiation protection instrumentation – Determination of uncertainty in measurement (IEC/TR 62461:2015)

19.040 Ispitivanje utjecaja okoliša

Međunarodna normizacija IEC

IEC 60068-2-69:2017/AMD1:2019
Environmental testing – Part 2-69: Tests – Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method

IEC 60068-2-69:2017+AMD1:2019
Environmental testing – Part 2-69: Tests – Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method

IEC 60068-2-85:2019
Environmental testing – Part 2-85: Tests – Test Fj: Vibration – Long time history replication

19.100 Nerazorna ispitivanja

Europska normizacija CENELEC

EN IEC 62976:2019
Industrial non-destructive testing equipment – Electron linear accelerator (IEC 62976:2017)

19.120 Analiza veličine čestica. Prosijavanje

Međunarodna normizacija ISO

ISO 18747-2:2019
Determination of particle density by sedimentation methods – Part 2: Multi-velocity approach

21.060.10 Vijci i svorni vijci

Međunarodna normizacija ISO

ISO 7053:2019
Fasteners – Hexagon washer head tapping screws

ISO 15480:2019
Fasteners – Hexagon washer head drilling screws with tapping screw thread

23.020.35 Plinske boce

Međunarodna normizacija ISO

ISO 10462:2013/Amd 1:2019
Gas cylinders – Acetylene cylinders – Periodic inspection and maintenance; Amendment 1

ISO 11513:2019
Gas cylinders – Refillable welded steel cylinders containing materials for sub-atmospheric gas packaging (excluding acetylene) – Design, construction, testing, use and periodic inspection

ISO 14245:2019
Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing

ISO 14456:2015/Amd 1:2019
Gas cylinders – Gas properties and associated classification (FTSC) codes; Amendment 1

ISO 15995:2019
Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated

23.020.40 Kriogeničke posude

Međunarodna normizacija ISO

ISO 20421-1:2019
Cryogenic vessels – Large transportable vacuum-insulated vessels – Part 1: Design, fabrication, inspection and testing

23.060.10 Ventili

Međunarodna normizacija ISO

ISO 21787 AMD 1:2019
Industrial valves – Globe valves of thermoplastics materials; Amendment 1

23.060.20 Slavine

Međunarodna normizacija ISO

ISO 16136:2006/Amd 1:2019
Industrial valves – Ball valves of thermoplastics materials; Amendment 1

23.060.30 Zasuni

Međunarodna normizacija ISO

ISO 16139:2006/Amd 1:2019
Industrial valves – Gate valves of thermoplastics materials;
Amendment 1

23.060.50 Protupovratni ventili

Međunarodna normizacija ISO

ISO 16137:2006/Amd 1:2019
Industrial valves – Check valves of thermoplastics materials;
Amendment 1

23.060.99 Ostali ventili

Međunarodna normizacija ISO

ISO 16138 AMD 1:2019
Industrial valves – Diaphragm valves of thermoplastics
materials; Amendment 1

25.040.01 Sustavi industrijske automatizacije općenito

Međunarodna normizacija IEC

IEC 81346-2:2019
Industrial systems, installations and equipment and industrial
products – Structuring principles and reference designations
– Part 2: Classification of objects and codes for classes

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Europska normizacija CENELEC

EN IEC 61158-1:2019
Industrial communication networks – Fieldbus specifications
– Part 1: Overview and guidance for the IEC 61158 and
IEC 61784 series (IEC 61158-1:2019)

EN IEC 61158-3-25:2019
Industrial communication networks – Fieldbus specifications
– Part 3-25: Data-link layer service definition – Type 25
elements (IEC 61158-3-25:2019)

EN IEC 61158-4-21:2019
Industrial communication networks – Fieldbus specifications
– Part 4-21: Data-link layer protocol specification – Type 21
elements (IEC 61158-4-21:2019)

EN IEC 61158-4-25:2019
Industrial communication networks – Fieldbus specifications
– Part 4-25: Data-link layer protocol specification – Type 25
elements (IEC 61158-4-25:2019)

EN IEC 61158-5-2:2019
Industrial communication networks – Fieldbus specifications
– Part 5-2: Application layer service definition – Type 2
elements (IEC 61158-5-2:2019)

EN IEC 61158-5-4:2019
Industrial communication networks – Fieldbus specifications
– Part 5-4: Application layer service definition – Type 4
elements (IEC 61158-5-4:2019)

EN IEC 61158-5-10:2019
Industrial communication networks – Fieldbus specifications
– Part 5-10: Application layer service definition – Type 10
elements (IEC 61158-5-10:2019)

EN IEC 61158-5-12:2019
Industrial communication networks – Fieldbus specifications
– Part 5-12: Application layer service definition – Type 12
elements (IEC 61158-5-12:2019)

EN IEC 61158-5-19:2019
Industrial communication networks – Fieldbus specifications
– Part 5-19: Application layer service definition – Type 19
elements (IEC 61158-5-19:2019)

EN IEC 61158-5-21:2019
Industrial communication networks – Fieldbus specifications
– Part 5-21: Application layer service definition – Type 21
elements (IEC 61158-5-21:2019)

EN IEC 62881:2018/AC:2019
Cause and Effect Matrix (IEC 62881:2018/COR1:2019)

Međunarodna normizacija ISO

ISO 10303-41:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 41: Integrated generic
resource: Fundamentals of product description and support

ISO 10303-42:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 42: Integrated generic
resource: Geometric and topological representation

ISO 10303-43:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 43:

ISO 10303-44:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 44: Integrated generic
resource: Product structure configuration

ISO 10303-45:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 45: Integrated generic
resource: Material and other engineering properties

ISO 10303-46:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 46: Integrated generic
resource: Visual presentation

ISO 10303-47:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 47: Integrated generic
resource: Shape variation tolerances

ISO 10303-101:2018
Industrial automation systems and integration – Product
data representation and exchange – Part 101: Integrated
application resource: Draughting

ISO 10303-506:2018
Industrial automation systems and integration – Product
data representation and exchange – Part 506: Application
interpreted construct: Draughting elements

ISO 10303-520:2018
Industrial automation systems and integration – Product
data representation and exchange – Part 520: Application
interpreted construct: Associative draughting elements

ISO 10303-1819:2018
Industrial automation systems and integration – Product
data representation and exchange – Part 1819: Application
module: Tessellated geometry

25.080.30 Strojevi za provlačenje

Međunarodna normizacija ISO

ISO 6480:2019
Test conditions for horizontal internal type broaching machines
– Testing of accuracy

ISO 6481:2019
Test conditions for vertical surface type broaching machines
– Testing of accuracy

25.140.10 Pneumatski alati

Europska normizacija CEN

- EN ISO 28927-8/A2:2019
Hand-held portable power tools – Test methods for evaluation of vibration emission – Part 8: Saws, polishing and filing machines with reciprocating action and small saws with oscillating or rotating action – Amendment 2: Oscillating knives (vibrating screen removal tools) (ISO 28927-8:2009/Amd 2:2019)

25.140.20 Električni alati

Europska normizacija CENELEC

- EN 62841-2-21:2019
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-21: Particular requirements for hand-held drain cleaners (IEC 62841-2-21:2017)
- EN 62841-3-12:2019
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-12: Particular requirements for transportable threading machines (IEC 62841-3-12:2017, modified)

25.160.10 Procesi zavarivanja

Europska normizacija CEN

- EN ISO 15620:2019
Welding – Friction welding of metallic materials (ISO 15620:2019)

27.015 Energetska učinkovitost. Očuvanje energije općenito

Europska normizacija CENELEC

- HD 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency (IEC 60364-8-1:2019)
- HD 60364-8-1:2019/AC:2019
Low-voltage electrical installations – Part 8-1: Functional aspect – Energy efficiency (IEC 60364-8-1:2019/COR1:2019)

27.060.20 Plinski plamenici

Međunarodna normizacija ISO

- ISO 23551-8:2016/Amd 1:2019
Safety and control devices for gas burners and gas-burning appliances – Particular requirements – Part 8: Multifunctional controls – Amendment 1: Overheating safety devices

27.080 Dizalice topline

Međunarodna normizacija ISO

- ISO 19967-2:2019
Heat pump water heaters – Testing and rating for performance – Part 2: Heat pump water heaters for space heating

27.120.10 Reaktorska tehnika

Europska normizacija CENELEC

- EN IEC 60709:2019
Nuclear power plants – Instrumentation, control and electrical power systems important to safety – Separation (IEC 60709:2018)
- EN IEC 60964:2019
Nuclear power plants – Control rooms – Design (IEC 60964:2018)

27.120.20 Nuklearne elektrane. Sigurnost

Europska normizacija CENELEC

- EN IEC 60964:2019
Nuclear power plants – Control rooms – Design (IEC 60964:2018)
- EN IEC 61500:2019
Nuclear power plants – Instrumentation and control systems important to safety – Data communication in systems performing category A functions (IEC 61500:2018)
- EN IEC 62465:2019
Nuclear power plants – Instrumentation and control important to safety – Management of ageing of electrical cabling systems (IEC 62465:2010)
- EN IEC 62646:2019
Nuclear power plants – Control rooms – Computer-based procedures (IEC 62646:2016)
- EN 62808:2016/A1:2019
Nuclear power plants – Instrumentation and control systems important to safety – Design and qualification of isolation devices (IEC 62808:2015/A1:2018)

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Europska normizacija CEN

- EN ISO 12183:2019
Nuclear fuel technology – Controlled-potential coulometric assay of plutonium (ISO 12183:2016)
- EN ISO 12799:2019
Nuclear energy – Determination of nitrogen content in UO₂-, (U,Gd)O₂- and (U,Pu)O₂ sintered pellets – Inert gas extraction and conductivity detection method (ISO 12799:2015)
- EN ISO 12800:2019
Nuclear fuel technology – Guidelines on the measurement of the specific surface area of uranium oxide powders by the BET method (ISO 12800:2017)
- EN ISO 21484:2019
Nuclear Energy – Fuel technology – Determination of the O/M ratio in MOX pellets by the gravimetric method (ISO 21484:2017)
- EN ISO 22765:2019
Nuclear fuel technology – Sintered (U,Pu)O₂ pellets – Guidance for ceramographic preparation for microstructure examination (ISO 22765:2016)

27.140 Hidroenergetika

Europska normizacija CENELEC

- EN IEC 60193:2019
Hydraulic turbines, storage pumps and pump-turbines – Model acceptance tests (IEC 60193:2019)

27.160 Solarna energetika

Europska normizacija CENELEC

- EN IEC 62892:2019
Extended thermal cycling of PV modules – Test procedure
(IEC 62892:2019)

Međunarodna normizacija IEC

- IEC 63202-1:2019
Photovoltaic cells – Part 1: Measurement of light-induced
degradation of crystalline silicon photovoltaic cells

29.020 Elektrotehnika općenito

Međunarodna normizacija IEC

- QC 080000:2017
IEC Quality Assessment System for Electronic Components
(IECQ System) – Hazardous Substance Process Management
(HSPM) System Requirements

29.035.20 Plastični i gumeni izolacijski materijali

Europska normizacija CENELEC

- EN IEC 60674-3-2:2019
Specification for plastic films for electrical purposes
– Part 3: Specifications for individual materials – Sheet 2:
Requirements for balanced biaxially oriented polyethylene
terephthalate (PET) films used for electrical insulation
(IEC 60674-3-2:2019)

29.060.10 Žice

Međunarodna normizacija IEC

- IEC 60317-20:2013/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 20: Solderable polyurethane enamelled round
copper wire, class 155
- IEC 60317-20:2013+AMD1:2019
Specifications for particular types of winding wires – Part 20:
Solderable polyurethane enamelled round copper wire, class
155
- IEC 60317-21:2013/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 21: Solderable polyurethane enamelled round
copper wire overcoated with polyamide, class 155
- IEC 60317-21:2013+AMD1:2019
Specifications for particular types of winding wires
– Part 21: Solderable polyurethane enamelled round copper
wire overcoated with polyamide, class 155
- IEC 60317-23:2013/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 23: Solderable polyesterimide enamelled round
copper wire, class 180
- IEC 60317-23:2013+AMD1:2019
Specifications for particular types of winding wires – Part 23:
Solderable polyesterimide enamelled round
- IEC 60317-35:2013/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 35: Solderable polyurethane enamelled round
copper wire, class 155, with a bonding layer
- IEC 60317-35:2013+AMD1:2019
Specifications for particular types of winding wires – Part 35:
Solderable polyurethane enamelled round copper wire, class
155, with a bonding layer

- IEC 60317-36:2013/AMD 1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 36: Solderable polyesterimide enamelled round
copper wire, class 180, with a bonding layer

- IEC 60317-36:2013+AMD1:2019
Specifications for particular types of winding wires
– Part 36: Solderable polyesterimide enamelled round copper
wire, class 180, with a bonding layer

- IEC 60317-55:2013/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 55: Solderable polyurethane enamelled round
copper wire overcoated with polyamide, class 180

- IEC 60317-55:2013+AMD1:2019
Specifications for particular types of winding wires
– Part 55: Solderable polyurethane enamelled round copper
wire overcoated with polyamide, class 180

- IEC 60317-68:2017/AMD1:2019
Amendment 1 – Specifications for particular types of winding
wires – Part 68: Polyvinyl acetal enamelled rectangular

- IEC 60317-68:2017+AMD1:2019
Specifications for particular types of winding wires – Part 68:
Polyvinyl acetal enamelled rectangular aluminium wire,
class 120

29.080.10 Izolatori

Europska normizacija CENELEC

- EN IEC 61952-1:2019
Insulators for overhead lines – Composite line post insulators
for AC systems with a nominal voltage greater than 1000 V
– Part 1: definitions, end fittings and designations
(IEC 61952-1:2019)

29.080.30 Izolacijski sustavi

Međunarodna normizacija IEC

- IEC 60034-18-41:2014/AMD 1:2019
Amendment 1 – Rotating electrical machines – Part 18-41:
Partial discharge free electrical insulation systems
(Type I) used in rotating electrical machines fed from voltage
converters – Qualification and quality control tests
- IEC 60034-18-41:2014+AMD 1:2019
Rotating electrical machines – Part 18-41: Partial discharge
free electrical insulation systems (Type I) used in rotating
electrical machines fed from voltage converters – Qualification
and quality control tests

29.100.10 Magnetski sastavni dijelovi

Europska normizacija CENELEC

- EN IEC 63093-12:2019
Ferrite cores – Guidelines on dimensions and the limits of
surface irregularities – Part 12: Ring-cores (IEC 63093-12:2019)
- EN IEC 63093-14:2019
Ferrite cores – Guidelines on dimensions and the limits of
surface irregularities – Part 14: EFD-cores (IEC 63093-14:2019)

29.120.30 Utikači, utičnice, sprežnici

Europska normizacija CENELEC

- EN 60320-1:2015/AC:2019
Appliance couplers for household and similar
general purposes – Part 1: General requirements
(IEC 60320-1:2015/COR2:2019)

29.120.40 Sklopke

Međunarodna normizacija IEC

IEC/IEEE 60214-2:2019
TAP-changers – Part 2: Application guidelines

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Međunarodna normizacija IEC

IEC 60269-3:2010/AMD2:2019
Amendment 2 – Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Examples of standardized systems of fuses A to F

IEC 60269-3:2010+AMD2:2019
Low-voltage fuses – Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) – Examples of standardized systems of fuses A to F

IEC 61643-32:2017/COR1:2019
Corrigendum 1 – Low-voltage surge protective devices – Part 32: Surge protective devices connected to the d.c. side of photovoltaic installations – Selection and application principles; Corrigendum 1

IEC 62848-2:2019
Railway applications – DC surge arresters and voltage limiting devices – Part 2: Voltage limiting devices

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN IEC 62271-109:2019
High-voltage switchgear and controlgear – Part 109: Alternating-current series capacitor by-pass switches (IEC 62271-109:2019)

Međunarodna normizacija IEC

IEC 62271-214:2019
High-voltage switchgear and controlgear – Part 214: Internal arc classification for metal-enclosed pole-mounted switchgear and controlgear for rated voltages above 1 kV and up to and including 52 kV

29.130.20 Niskonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 50041:2019
Low-voltage switchgear and controlgear – Control switches – Position switches 42,5 x 80 – Dimensions and characteristics

EN 50047:2019
Low-voltage switchgear and controlgear – Control switches – Position switches 30 x 55 – Dimensions and characteristics

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Europska normizacija CENELEC

EN 61167:2018/AC:2019
Metal halide lamps – Performance specification (IEC 61167:2018/COR1:2019)

29.140.99 Ostale norme koje se odnose na svjetiljke

Europska normizacija CEN

EN 4706:2019
Aerospace series – LED colour and brightness ranking

EN 13032-4:2015+A1:2019
Light and lighting – Measurement and presentation of photometric data of lamps and luminaires – Part 4: LED lamps, modules and luminaires

CENELEC

EN 61347-2-7:2012/A1:2019
Lamp controlgear – Part 2-7: Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained) (IEC 61347-2-7:2011/A1:2017)

EN 61347-2-11:2001/A1:2019
Lamp controlgear – Part 2-11: Particular requirements for miscellaneous electronic circuits used with luminaires (IEC 61347-2-11:2001/A1:2017)

29.160.01 Rotacijski strojevi općenito

Međunarodna normizacija IEC

IEC 60034-18-41:2014/AMD1:2019
Amendment 1 – Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters – Qualification and quality control tests

IEC 60034-18-41:2014+AMD1:2019
Rotating electrical machines – Part 18-41: Partial discharge free electrical insulation systems (Type I) used in rotating electrical machines fed from voltage converters – Qualification and quality control tests

29.180 Transformatori. Prigušnice

Europska normizacija CENELEC

EN IEC 60076-11:2018/AC:2019
Power transformers – Part 11: Dry-type transformers (IEC 60076-11:2018/COR1:2019)

EN 60076-22-2:2019
Power transformer and reactor cooling equipment – Part 22-2: Removable radiators (IEC 60076-22-2:2019)

EN IEC 61558-1:2019
Safety of transformers, reactors, power supply units and combinations thereof – Part 1: General requirements and tests (IEC 61558-1:2017)

29.220.01 Galvanski članci i baterije općenito

Europska normizacija CENELEC

EN IEC 62281:2019
Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2019)

29.240.01 Mreže za prijenos i razdiobu električne energije općenito

Međunarodna normizacija IEC

IEC/TR 63127:2019
Guideline for the system design of HVDC converter stations with line-commutated converters

29.240.10 Podstanice. Odvodnici prenapona

Međunarodna normizacija IEC

IEC 61643-32:2017/COR1:2019
Corrigendum 1 – Low-voltage surge protective devices – Part 32: Surge protective devices connected to the d.c. side of photovoltaic installations – Selection and application principles; Corrigendum 1

29.240.20 Vodovi za prijenos i razdiobu električne energije

Europska normizacija CENELEC

EN IEC 61952-1:2019
Insulators for overhead lines – Composite line post insulators for AC systems with a nominal voltage greater than 1000 V – Part 1: definitions, end fittings and designations (IEC 61952-1:2019)

29.260.20 Električni uređaji za eksplozivnu atmosferu

Međunarodna normizacija IEC

IECEX 02:2018
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) – Rules of Procedure

IECEX 03-5:2018
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEX System) – IECEX certified service facilities scheme – Part 5: Repair, overhaul and reclamation of Ex equipment – Rules of procedure; Edition 1.2

IEC 60079-0 Interpretation Sheet 2:2019
Explosive atmospheres – Part 0: Equipment – General requirements; Interpretation Sheet 2

29.280 Oprema za električnu vuču

Međunarodna normizacija IEC

IEC 62848-2:2019
Railway applications – DC surge arresters and voltage limiting devices – Part 2: Voltage limiting devices

31.020 Elektronički sastavni dijelovi općenito

Međunarodna normizacija IEC

IEC 31010:2019
Risk management – Risk assessment techniques

QC 080000:2017
IEC Quality Assessment System for Electronic Components (IECQ System) – Hazardous Substance Process Management (HSPM) System Requirements

31.060.99 Ostali kondenzatori

Međunarodna normizacija IEC

IEC 62391-1:2015/COR2:2019
Corrigendum 2 – Fixed electric double-layer capacitors for use in electric and electronic equipment – Part 1: Generic specification; Corrigendum 1

31.080.01 Poluvodičke naprave općenito

Europska normizacija CENELEC

EN IEC 60749-18:2019
Semiconductor devices – Mechanical and climatic test methods – Part 18: Ionizing radiation (total dose) (IEC 60749-18:2019)

Međunarodna normizacija IEC

IEC 60749-20-1:2019
Semiconductor devices – Mechanical and climatic test methods – Part 20-1: Handling, packing, labelling and shipping of surface-mount devices sensitive to the combined effect of moisture and soldering heat

31.080.10 Diode

Europska normizacija CENELEC

EN IEC 60794-2-11:2019
Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling (IEC 60794-2-11:2019)

EN IEC 60794-2-21:2019
Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2019)

EN IEC 60794-2-31:2019
Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling (IEC 60794-2-31:2019)

31.080.99 Ostale poluvodičke naprave

Međunarodna normizacija IEC

IEC 60747-16-6:2019
Semiconductor devices – Part 16-6: Microwave integrated circuits – Frequency multipliers

31.180 Tiskani krugovi i pločice

Međunarodna normizacija IEC

IEC/TR 61189-5-506:2019
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-506: General test methods for materials and assemblies – An intercomparison evaluation to implement the use of fine-pitch test structures for surface insulation resistance (SIR) testing of solder fluxes in accordance with IEC 61189-5-501

31.190 Sklopovi elektroničkih sastavnih dijelova

Međunarodna normizacija IEC

IEC 60068-2-69:2017/AMD1:2019
Environmental testing – Part 2-69: Tests – Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method

IEC 60068-2-69:2017+AMD1:2019
Environmental testing – Part 2-69: Tests – Test Te/Tc: Solderability testing of electronic components and printed boards by the wetting balance (force measurement) method

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija ISO

ISO 14880-1:2019
Optics and photonics – Microlens arrays – Part 1:
Vocabulary

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

ETSI TR 103582 V 1.1.1:2019
EMTEL – Study of use cases and communications involving
IoT devices in provision of emergency situations

ETSI TS 119495 V 1.3.2:2019
Electronic Signatures and Infrastructures (ESI) – Sector
Specific Requirements – Qualified Certificate Profiles and
TSP Policy Requirements under the payment services
Directive (EU) 2015/2366

ETSI TS 119511 V 1.1.1:2019
Electronic Signatures and Infrastructures (ESI) – Policy and
security requirements for trust service providers providing
long-term preservation of digital signatures or general data
using digital signature techniques

ETSI ES 203539 V 1.1.1:2019
Environmental Engineering (EE) – Measurement method for
energy efficiency of Network Functions Virtualisation (NFV) in
laboratory environment

33.040.99 Ostala oprema za komunikacijske sustave

Europska normizacija ETSI

ETSI TS 103571-3 V 1.1.1:2019
Core Network and Interoperability Testing (INT) – Diameter
Conformance testing for the Sh/Dh interfaces – (3GPPTM
Release 13) – Part 3: Abstract Test Suite (ATS) and partial
Protocol Implementation eXtra Information for Testing (PIXIT)
pro forma specification

ETSI TS 183036 V 3.6.1:2019
Core Network and Interoperability Testing (INT) – ISDN/SIP
interworking – Protocol specification

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

EN 300674-2-2 V 2.2.1:2019
Transport and Traffic Telematics (TTT) – Dedicated Short
Range Communication (DSRC) transmission equipment
(500 kbit/s / 250 kbit/s) operating in the 5795 MHz to 5815 MHz
frequency band – Part 2: Harmonised Standard for access to
radio spectrum – Sub-part 2: On-Board Units (OBU)

EN 301841-2 V 1.2.1:2019
VHF air-ground Digital Link (VDL) Mode 2 – Technical
characteristics and methods of measurement for
ground-based equipment – Part 2: Upper layers

EN 303520 V 1.2.1:2019
Short Range Devices (SRD) – Ultra Low Power (ULP) wireless
medical capsule endoscopy devices operating in the band
430 MHz to 440 MHz – Harmonised Standard for access to
radio spectrum

33.060.99 Ostala oprema za radiokomunikacije

Europska normizacija ETSI

EN 303364-3 V 1.1.1:2019
Primary Surveillance Radar (PSR) – Harmonised Standard
for access to radio spectrum – Part 3: Air Traffic Control (ATC)
PSR sensors operating in the frequency band 8500 MHz to
10000 MHz (X band)

33.070.01 Usluge pokretne mreže općenito

Europska normizacija CENELEC

EN 62209-2:2010/A1:2019
Human exposure to radio frequency fields from
hand-held and body-mounted wireless communication
devices – Human models, instrumentation, and procedures
– Part 2: Procedure to determine the specific absorption rate
(SAR) for wireless communication devices used in close
proximity to the human body (frequency range of 30 MHz
to 6 GHz) (IEC 62209-2:2010/A1:2019)

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

ETSI TS 123003 V 15.7.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – Numbering, addressing and identification
(3GPP TS 23.003 version 15.7.0 Release 15)

ETSI TS 123007 V 15.3.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications
System (UMTS) – LTE – Restoration procedures
(3GPP TS 23.007 version 15.3.0 Release 15)

ETSI TS 123008 V 15.7.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Organization of subscriber data
(3GPP TS 23.008 version 15.7.0 Release 15)

ETSI TS 123142 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Value-added Services for SMS (VAS4SMS) – Interface
and signalling flow (3GPP TS 23.142 version 15.1.0 Release 15)

ETSI TS 124080 V 14.2.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – Mobile radio interface layer 3 supplementary
services specification – Formats and coding
(3GPP TS 24.080 version 14.2.0 Release 14)

ETSI TS 124080 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – Mobile radio interface layer 3 supplementary
services specification – Formats and coding
(3GPP TS 24.080 version 15.1.0 Release 15)

ETSI TS 128531 V 15.3.0:2019
5G – Management and orchestration – Provisioning
(3GPP TS 28.531 version 15.3.0 Release 15)

ETSI TS 128541 V 15.3.0:2019
5G – Management and orchestration – 5G Network
Resource Model (NRM) – Stage 2 and stage 3
(3GPP TS 28.541 version 15.3.0 Release 15)

ETSI TS 128552 V 15.3.0:2019
5G – Management and orchestration – 5G performance
measurements (3GPP TS 28.552 version 15.3.0 Release 15)

ETSI TS 128554 V 15.3.0:2019
5G – Management and orchestration – 5G end to end Key
Performance Indicators (KPI) (3GPP TS 28.554 version 15.3.0
Release 15)

- ETSI TS 129002 V 14.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 14.5.0 Release 14)
- ETSI TS 129002 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 15.5.0 Release 15)
- ETSI TS 129060 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – General Packet Radio Service (GPRS) – GPRS Tunneling Protocol (GTP) across the Gn and Gp interface (3GPP TS 29.060 version 15.5.0 Release 15)
- ETSI TS 129171 V 15.2.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Location Services (LCS) – LCS Application Protocol (LCS-AP) between the Mobile Management Entity (MME) and Evolved Serving Mobile Location Centre (E-SMLC) – SLs interface (3GPP TS 29.171 version 15.2.0 Release 15)
- ETSI TS 129228 V 15.2.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Subsystem Cx and Dx Interfaces – Signalling flows and message contents (3GPP TS 29.228 version 15.2.0 Release 15)
- ETSI TS 129229 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Cx and Dx interfaces based on the Diameter protocol – Protocol details (3GPP TS 29.229 version 15.1.0 Release 15)
- ETSI TS 129230 V 15.6.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 15.6.0 Release 15)
- ETSI TS 129272 V 15.8.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Packet System (EPS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 15.8.0 Release 15)
- ETSI TS 129273 V 15.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Evolved Packet System (EPS) – 3GPP EPS AAA interfaces (3GPP TS 29.273 version 15.3.0 Release 15)
- ETSI TS 129274 V 15.8.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP Evolved Packet System (EPS) – Evolved General Packet Radio Service (GPRS) Tunneling Protocol for Control plane (GTPv2-C) – Stage 3 (3GPP TS 29.274 version 15.8.0 Release 15)
- ETSI TS 129303 V 15.5.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Domain Name System Procedures – Stage 3 (3GPP TS 29.303 version 15.5.0 Release 15)
- ETSI TS 129328 V 15.6.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia (IM) Subsystem Sh interface – Signalling flows and message contents (3GPP TS 29.328 version 15.6.0 Release 15)
- ETSI TS 129336 V 15.6.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Home Subscriber Server (HSS) diameter interfaces for interworking with packet data networks and applications (3GPP TS 29.336 version 15.6.0 Release 15)
- ETSI TS 131102 V 14.8.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 14.8.0 Release 14)
- ETSI TS 131102 V 15.6.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 15.6.0 Release 15)
- ETSI TS 131122 V 14.1.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 14.1.0 Release 14)
- ETSI TS 131122 V 15.1.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 15.1.0 Release 15)
- ETSI TS 131130 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – (U)SIM Application Programming Interface (API) – (U)SIM API for Java Card (3GPP TS 31.130 version 15.1.0 Release 15)
- ETSI TS 132111-2 V 8.3.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 8.3.0 Release 8)
- ETSI TS 132111-2 V 9.3.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 9.3.0 Release 9)
- ETSI TS 132111-2 V 10.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 10.5.0 Release 10)
- ETSI TS 132111-2 V 11.3.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 11.3.0 Release 11)
- ETSI TS 132111-2 V 12.3.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 12.3.0 Release 12)
- ETSI TS 132111-2 V 13.1.0:2019
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- ETSI TS 132111-2 V 14.1.0:2019
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- ETSI TS 132111-2 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fault Management – Part 2: Alarm Integration Reference Point (IRP): Information Service (IS) (3GPP TS 32.111-2 version 15.1.0 Release 15)
- ETSI TS 132156 V 11.5.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 11.5.0 Release 11)
- ETSI TS 132156 V 12.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 12.3.0 Release 12)

- ETSI TS 132156 V 13.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 13.3.0 Release 13)
- ETSI TS 132156 V 14.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 14.3.0 Release 14)
- ETSI TS 132156 V 15.3.0:2019
Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) model repertoire (3GPP TS 32.156 version 15.3.0 Release 15)
- ETSI TS 132158 V 15.2.0:2019
LTE – 5G – Management and orchestration – Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 15.2.0 Release 15)
- ETSI TS 132251 V 15.5.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Packet Switched (PS) domain charging (3GPP TS 32.251 version 15.5.0 Release 15)
- ETSI TS 132255 V 15.3.0:2019
5G – Telecommunication management – Charging management – 5G data connectivity domain charging – Stage 2 (3GPP TS 32.255 version 15.3.0 Release 15)
- ETSI TS 132290 V 15.4.0:2019
5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 15.4.0 Release 15)
- ETSI TS 132291 V 15.3.0:2019
5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 15.3.0 Release 15)
- ETSI TS 132298 V 15.7.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 15.7.0 Release 15)
- ETSI TS 132299 V 15.7.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Diameter charging applications (3GPP TS 32.299 version 15.7.0 Release 15)
- ETSI TS 132421 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace concepts and requirements (3GPP TS 32.421 version 15.1.0 Release 15)
- ETSI TS 132422 V 15.2.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 15.2.0 Release 15)
- ETSI TS 132423 V 15.1.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 15.1.0 Release 15)
- ETSI TS 132425 V 13.6.1:2019
LTE – Telecommunication management – Performance Management (PM) – Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 13.6.1 Release 13)
- ETSI TS 132425 V 14.2.0:2019
LTE – Telecommunication management – Performance Management (PM) – Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 14.2.0 Release 14)
- ETSI TS 132425 V 15.3.0:2019
LTE – Telecommunication management – Performance Management (PM) – Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN) (3GPP TS 32.425 version 15.3.0 Release 15)
- ETSI TS 133163 V 15.5.0:2019
LTE – 5G – Battery Efficient Security for very low throughput Machine Type Communication (MTC) devices (BEST) (3GPP TS 33.163 version 15.5.0 Release 15)
- ETSI TS 133179 V 13.9.0:2019
LTE – Security of Mission Critical Push To Talk (MCPTT) over LTE (3GPP TS 33.179 version 13.9.0 Release 13)
- ETSI TS 133180 V 14.7.0:2019
LTE – Security of the mission critical service (3GPP TS 33.180 version 14.7.0 Release 14)
- ETSI TS 133180 V 15.5.0:2019
LTE – Security of the mission critical service (3GPP TS 33.180 version 15.5.0 Release 15)
- ETSI TS 133401 V 15.8.0:2019
Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 3GPP System Architecture Evolution (SAE) – Security architecture (3GPP TS 33.401 version 15.8.0 Release 15)
- ETSI TS 133501 V 15.5.0:2019
5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.5.0 Release 15)
- ETSI TS 136508 V 15.4.0:2019
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 15.4.0 Release 15)

33.070.99 Ostale pokretne službe

Europska normizacija ETSI

- ETSI TS 123527 V 15.3.0:2019
5G – 5G System – Restoration procedures (3GPP TS 23.527 version 15.3.0 Release 15)
- ETSI TS 129128 V 15.5.0:2019
LTE – Universal Mobile Telecommunications System (UMTS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 15.5.0 Release 15)
- ETSI TS 129244 V 14.8.0:2019
LTE – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 14.8.0 Release 14)
- ETSI TS 129244 V 15.6.0:2019
LTE – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 15.6.0 Release 15)
- ETSI TS 129500 V 15.4.0:2019
5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 15.4.0 Release 15)
- ETSI TS 129501 V 15.4.0:2019
5G – 5G System – Principles and Guidelines for Services Definition – Stage 3 (3GPP TS 29.501 version 15.4.0 Release 15)
- ETSI TS 129502 V 15.4.0:2019
5G – 5G System – Session Management Services – Stage 3 (3GPP TS 29.502 version 15.4.0 Release 15)
- ETSI TS 129503 V 15.4.0:2019
5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 15.4.0 Release 15)
- ETSI TS 129504 V 15.4.0:2019
5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 15.4.0 Release 15)

- ETSI TS 129505 V 15.4.0:2019
5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 15.4.0 Release 15)
- ETSI TS 129509 V 15.4.0:2019
5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 15.4.0 Release 15)
- ETSI TS 129510 V 15.4.0:2019
5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 15.4.0 Release 15)
- ETSI TS 129511 V 15.4.0:2019
5G – 5G System – Equipment Identity Register Services – Stage 3 (3GPP TS 29.511 version 15.4.0 Release 15)
- ETSI TS 129518 V 15.4.0:2019
5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 15.4.0 Release 15)
- ETSI TS 129524 V 15.2.0:2019
5G – 5G System – Cause code mapping between 5GC interfaces – Stage 3 (3GPP TS 29.524 version 15.2.0 Release 15)
- ETSI TS 129531 V 15.4.0:2019
5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 15.4.0 Release 15)
- ETSI TS 129540 V 15.4.0:2019
5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 15.4.0 Release 15)
- ETSI TS 129571 V 15.4.0:2019
5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 15.4.0 Release 15)
- ETSI TS 129572 V 15.4.0:2019
5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 15.4.0 Release 15)
- ETSI TS 129573 V 15.2.0:2019
5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 15.2.0 Release 15)
- ETSI GR MEC-DEC 025 V 2.1.1:2019
Multi-access Edge Computing (MEC) – MEC Testing Framework

33.100.01 Elektromagnetska kompatibilnost općenito

Međunarodna normizacija IEC

- CISPR 16-2-3:2016/AMD1:2019
Amendment 1 – Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements
- CISPR 16-2-3:2016+AMD1:2019
Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Europska normizacija ETSI

- EN 303345-1 V 1.1.1:2019
Broadcast Sound Receivers – Part 1: Generic requirements and measuring methods

33.160.40 Videosustavi

Međunarodna normizacija IEC

- IEC 62676-2-31:2019
Video surveillance systems for use in security applications – Part 2-31: Live streaming and control based on web services
- IEC 62676-2-32:2019
Video surveillance systems for use in security applications – Part 2-32: Recording control and replay based on web services

33.170 Televizijski i radijski prijenos

Europska normizacija ETSI

- ETSI TS 102818 V 3.2.1:2019
Hybrid Digital Radio (DAB, DRM, RadioDNS) – XML Specification for Service and Programme Information (SPI)
- ETSI TS 102822-3-1 V 1.11.2:2019
Broadcast and On-line Services: Search, select, and rightful use of content ('TV-Anytime') – Part 3: Metadata – Sub-part 1: Phase 1 – Metadata schemas

33.180.20 Svjetlovodne vezne naprave

Europska normizacija CENELEC

- EN 50411-3-4:2019
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 3-4: Wall box for splice to patchcord connections, for category C and A
- EN 50411-4-1:2019
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 4-1: Passive optical street cabinet for category A
- EN IEC 61753-1:2018/AC:2019
Fibre optic interconnecting devices and passive components – Performance standard – Part 1: General and guidance (IEC 61753-1:2018/COR1:2019)

33.180.30 Optička pojačala

Europska normizacija CENELEC

- EN 61291-5-2:2017/AC:2019
Optical amplifiers – Part 5-2: Qualification specifications – Reliability qualification for optical fibre amplifiers (IEC 61291-5-2:2017/COR1:2019)

33.180.99 Ostala svjetlovodna oprema

Europska normizacija CENELEC

- EN 50411-4-1:2019
Fibre management systems and protective housings to be used in optical fibre communication systems – Product specifications – Part 4-1: Passive optical street cabinet for category A

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija ETSI

- ETSI TS 103548 V 1.1.1:2019
SmartM2M – SAREF consolidation with new reference ontology patterns, based on the experience from the SEAS project

35.020 Informacijska tehnologija (IT) općenito

Europska normizacija ETSI

ETSI TS 103463-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM)
– Sustainable Digital Multiservice Communities – Key
Performance Indicators for Sustainable Digital Multiservice
Areas – Part 2: Global KPIs for Sustainable Digital Multiservice
Areas

Međunarodna normizacija ISO

ISO/IEC 2382-36:2019
Information technology – Vocabulary – Part 36: Learning,
education and training

35.030 Informatička sigurnost

Međunarodna normizacija ISO

ISO/IEC 9798-2:2019
IT Security techniques – Entity authentication – Part 2:
Mechanisms using authenticated encryption

35.040.10 Kodiranje skupova znakova

Međunarodna normizacija ISO/IEC

ISO/IEC 10646:2017/Amd 2:2019
Information technology – Universal Coded Character Set
(UCS) – Amendment 2: Nandinagari, Georgian extension,
and other characters

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO

ISO/IEC 14496-5:2001/Amd 40:2019
Information technology – Coding of audio-visual objects
– Part 5: Reference software – Amendment 40: Printing
material and 3D graphics coding for browsers reference
software

ISO/IEC 21122-2:2019
Information technology – JPEG XS low-latency lightweight
image coding system – Part 2: Profiles and buffer models

ISO/IEC 23000-21:2019
Information technology – Multimedia application format
(MPEG-A) – Part 21: Visual identity management application
format

ISO/IEC 23000-22:2019
Information technology – Multimedia application format
(MPEG-A) – Part 22: Multi-image application format (MIAF)

ISO/IEC 23008-3:2019/Amd 1:2019
Information technology – High efficiency coding and media
delivery in heterogeneous environments – Part 3: 3D audio
– Amendment 1: Audio metadata enhancements

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija ISO/IEC

ISO/IEC 29167-19:2019
Information technology – Automatic identification and data
capture techniques – Part 19: Crypto suite RAMON security
services for air interface communications

35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

Međunarodna normizacija ISO/IEC

ISO/IEC 9075-15:2019
Information technology database languages – SQL – Part 15:
Multi-dimensional arrays (SQL/MDA)

35.100.20 Sloj veze između podataka

Europska normizacija CENELEC

EN 61158-3-2:2014/A1:2019
Industrial communication networks – Fieldbus specifications
– Part 3-2: Data-link layer service definition – Type 2 elements
(IEC 61158-3-2:2014/Amd 1:2019)

EN IEC 61158-3-4:2019
Industrial communication networks – Fieldbus specifications
– Part 3-4: Data-link layer service definition – Type 4 elements
(IEC 61158-3-4:2019)

EN IEC 61158-3-12:2019
Industrial communication networks – Fieldbus specifications
– Part 3-12: Data-link layer service definition – Type 12
elements (IEC 61158-3-12:2019)

EN IEC 61158-3-19:2019
Industrial communication networks – Fieldbus specifications
– Part 3-19: Data-link layer service definition – Type 19
elements (IEC 61158-3-19:2019)

EN IEC 61158-3-21:2019
Industrial communication networks – Fieldbus specifications
– Part 3-21: Data-link layer service definition – Type 21
elements (IEC 61158-3-21:2019)

EN IEC 61158-3-25:2019
Industrial communication networks – Fieldbus specifications
– Part 3-25: Data-link layer service definition – Type 25
elements (IEC 61158-3-25:2019)

EN IEC 61158-4-2:2019
Industrial communication networks – Fieldbus specifications
– Part 4-2: Data-link layer protocol specification – Type 2
elements (IEC 61158-4-2:2019)

EN IEC 61158-4-3:2019
Industrial communication networks – Fieldbus specifications
– Part 4-3: Data-link layer protocol specification – Type 3
elements (IEC 61158-4-3:2019)

EN IEC 61158-4-4:2019
Industrial communication networks – Fieldbus specifications
– Part 4-4: Data-link layer protocol specification – Type 4
elements (IEC 61158-4-4:2019)

EN IEC 61158-4-12:2019
Industrial communication networks – Fieldbus specifications
– Part 4-12: Data-link layer protocol specification – Type 12
elements (IEC 61158-4-12:2019)

EN IEC 61158-4-19:2019
Industrial communication networks – Fieldbus specifications
– Part 4-19: Data-link layer protocol specification – Type 19
elements (IEC 61158-4-19:2019)

EN IEC 61158-4-21:2019
Industrial communication networks – Fieldbus specifications
– Part 4-21: Data-link layer protocol specification – Type 21
elements (IEC 61158-4-21:2019)

EN IEC 61158-4-24:2019
Industrial communication networks – Fieldbus specifications
– Part 4-24: Data-link layer protocol specification – Type 24
elements (IEC 61158-4-24:2019)

EN IEC 61158-4-25:2019
Industrial communication networks – Fieldbus specifications
– Part 4-25: Data-link layer protocol specification – Type 25
elements (IEC 61158-4-25:2019)

EN IEC 61784-2:2019
Industrial communication networks – Profiles – Part 2:
Additional fieldbus profiles for real-time networks based on
ISO/IEC/IEEE 8802-3 (IEC 61784-2:2019)

35.100.70 Sloj primjene

Europska normizacija CENELEC

- EN IEC 61158-5-2:2019
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements (IEC 61158-5-2:2019)
- EN IEC 61158-5-4:2019
Industrial communication networks – Fieldbus specifications – Part 5-4: Application layer service definition – Type 4 elements (IEC 61158-5-4:2019)
- EN IEC 61158-5-10:2019
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements (IEC 61158-5-10:2019)
- EN IEC 61158-5-12:2019
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements (IEC 61158-5-12:2019)
- EN IEC 61158-5-19:2019
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements (IEC 61158-5-19:2019)
- EN IEC 61158-5-21:2019
Industrial communication networks – Fieldbus specifications – Part 5-21: Application layer service definition – Type 21 elements (IEC 61158-5-21:2019)
- EN IEC 61158-5-23:2019
Industrial communication networks – Fieldbus specifications – Part 5-23: Application layer service definition – Type 23 elements (IEC 61158-5-23:2019)
- EN IEC 61158-5-25:2019
Industrial communication networks – Fieldbus specifications – Part 5-25: Application layer service definition – Type 25 elements (IEC 61158-5-25:2019)
- EN IEC 61158-5-26:2019
Industrial communication networks – Fieldbus specifications – Part 5-26: Application layer service definition – Type 26 elements (IEC 61158-5-26:2019)

Međunarodna normizacija IEC

- IEC 61158-6-2:2019
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements
- IEC 61158-6-3:2019
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements
- IEC 61158-6-4:2019
Industrial communication networks – Fieldbus specifications – Part 6-4: Application layer protocol specification – Type 4 elements
- IEC 61158-6-10:2019
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements
- IEC 61158-6-12:2019
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements
- IEC 61158-6-19:2019
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements
- IEC 61158-6-21:2019
Industrial communication networks – Fieldbus specifications – Part 6-21: Application layer protocol specification – Type 21 elements

IEC 61158-6-23:2019
Industrial communication networks – Fieldbus specifications – Part 6-23: Application layer protocol specification – Type 23 elements

IEC 61158-6-25:2019
Industrial communication networks – Fieldbus specifications – Part 6-25: Application layer protocol specification – Type 25 elements

IEC 61158-6-26:2019
Industrial communication networks – Fieldbus specifications – Part 6-26: Application layer protocol specification – Type 26 elements

35.110 Umrežavanje

Europska normizacija CENELEC

- EN IEC 61158-1:2019
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC 61158-1:2019)
- EN IEC 61158-3-25:2019
Industrial communication networks – Fieldbus specifications – Part 3-25: Data-link layer service definition – Type 25 elements (IEC 61158-3-25:2019)
- EN IEC 61158-4-21:2019
Industrial communication networks – Fieldbus specifications – Part 4-21: Data-link layer protocol specification – Type 21 elements (IEC 61158-4-21:2019)
- EN IEC 61158-4-25:2019
Industrial communication networks – Fieldbus specifications – Part 4-25: Data-link layer protocol specification – Type 25 elements (IEC 61158-4-25:2019)
- EN IEC 61158-5-2:2019
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements (IEC 61158-5-2:2019)
- EN IEC 61158-5-4:2019
Industrial communication networks – Fieldbus specifications – Part 5-4: Application layer service definition – Type 4 elements (IEC 61158-5-4:2019)

EN IEC 61158-5-10:2019
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements (IEC 61158-5-10:2019)

EN IEC 61158-5-12:2019
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements (IEC 61158-5-12:2019)

EN IEC 61158-5-19:2019
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements (IEC 61158-5-19:2019)

EN IEC 61158-5-21:2019
Industrial communication networks – Fieldbus specifications – Part 5-21: Application layer service definition – Type 21 elements (IEC 61158-5-21:2019)

ETSI

ETSI TS 105176-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Ethernet and power over cables – Part 2: Ethernet and power over coaxial cables for IP video surveillance

ETSI TS 110174-2-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Sustainable Digital Multiservice Cities – Broadband Deployment and Energy Management – Part 2: Multiservice Networking Infrastructure and Associated Street Furniture – Sub-part 2: The use of lamp-posts for hosting sensing devices and 5G networking

ETSI GR MEC-DEC 025 V 2.1.1:2019
Multi-access Edge Computing (MEC) – MEC Testing Framework

- ETSI GR NFV-REL 010 V 3.1.1:2019
Network Functions Virtualisation (NFV) Release 3 – Reliability
– Report on NFV Resiliency for the Support of Network Slicing
- ETSI GS NFV-SEC 021 V 2.6.1:2019
Network Functions Virtualisation (NFV) Release 2 – Security
– VNF Package Security Specification
- ETSI GS NFV-SOL 006 V 2.6.1:2019
Network Functions Virtualisation (NFV) Release 2 – Protocols
and Data Models – NFV descriptors based on YANG
Specification
- ETSI GS NFV-TST 009 V 3.2.1:2019
Network Functions Virtualisation (NFV) Release 3 – Testing
– Specification of Networking Benchmarks and Measurement
Methods for NFVI

- EN IEC 61158-4-25:2019
Industrial communication networks – Fieldbus specifications
– Part 4-25: Data-link layer protocol specification – Type 25
elements (IEC 61158-4-25:2019)
- EN IEC 61158-5-2:2019
Industrial communication networks – Fieldbus specifications
– Part 5-2: Application layer service definition – Type 2
elements (IEC 61158-5-2:2019)
- EN IEC 61158-5-4:2019
Industrial communication networks – Fieldbus specifications
– Part 5-4: Application layer service definition – Type 4
elements (IEC 61158-5-4:2019)
- EN IEC 61158-5-10:2019
Industrial communication networks – Fieldbus specifications
– Part 5-10: Application layer service definition – Type 10
elements (IEC 61158-5-10:2019)
- EN IEC 61158-5-12:2019
Industrial communication networks – Fieldbus specifications
– Part 5-12: Application layer service definition – Type 12
elements (IEC 61158-5-12:2019)
- EN IEC 61158-5-19:2019
Industrial communication networks – Fieldbus specifications
– Part 5-19: Application layer service definition – Type 19
elements (IEC 61158-5-19:2019)
- EN IEC 61158-5-21:2019
Industrial communication networks – Fieldbus specifications
– Part 5-21: Application layer service definition – Type 21
elements (IEC 61158-5-21:2019)
- EN IEC 61158-5-23:2019
Industrial communication networks – Fieldbus specifications
– Part 5-23: Application layer service definition – Type 23
elements (IEC 61158-5-23:2019)
- EN IEC 61158-5-25:2019
Industrial communication networks – Fieldbus specifications
– Part 5-25: Application layer service definition – Type 25
elements (IEC 61158-5-25:2019)
- EN IEC 61158-5-26:2019
Industrial communication networks – Fieldbus specifications
– Part 5-26: Application layer service definition – Type 26
elements (IEC 61158-5-26:2019)
- EN IEC 61784-1:2019
Industrial communication networks – Profiles – Part 1:
Fieldbus profiles (IEC 61784-1:2019)
- EN IEC 61784-2:2019
Industrial communication networks – Profiles – Part 2:
Additional fieldbus profiles for real-time networks based on
ISO/IEC/IEEE 8802-3 (IEC 61784-2:2019)

35.160 Mikroprocesorski sustavi

Europska normizacija CENELEC

- EN 61158-3-2:2014/A1:2019
Industrial communication networks – Fieldbus specifications
– Part 3-2: Data-link layer service definition – Type 2 elements
(IEC 61158-3-2:2014/Amd 1:2019)
- EN IEC 61158-3-4:2019
Industrial communication networks – Fieldbus specifications
– Part 3-4: Data-link layer service definition – Type 4 elements
(IEC 61158-3-4:2019)
- EN IEC 61158-3-12:2019
Industrial communication networks – Fieldbus specifications
– Part 3-12: Data-link layer service definition – Type 12
elements (IEC 61158-3-12:2019)
- EN IEC 61158-3-19:2019
Industrial communication networks – Fieldbus specifications
– Part 3-19: Data-link layer service definition – Type 19
elements (IEC 61158-3-19:2019)
- EN IEC 61158-3-21:2019
Industrial communication networks – Fieldbus specifications
– Part 3-21: Data-link layer service definition – Type 21
elements (IEC 61158-3-21:2019)
- EN IEC 61158-3-25:2019
Industrial communication networks – Fieldbus specifications
– Part 3-25: Data-link layer service definition – Type 25
elements (IEC 61158-3-25:2019)
- EN IEC 61158-4-2:2019
Industrial communication networks – Fieldbus specifications
– Part 4-2: Data-link layer protocol specification – Type 2
elements (IEC 61158-4-2:2019)
- EN IEC 61158-4-3:2019
Industrial communication networks – Fieldbus specifications
– Part 4-3: Data-link layer protocol specification – Type 3
elements (IEC 61158-4-3:2019)
- EN IEC 61158-4-4:2019
Industrial communication networks – Fieldbus specifications
– Part 4-4: Data-link layer protocol specification – Type 4
elements (IEC 61158-4-4:2019)
- EN IEC 61158-4-12:2019
Industrial communication networks – Fieldbus specifications
– Part 4-12: Data-link layer protocol specification – Type 12
elements (IEC 61158-4-12:2019)
- EN IEC 61158-4-19:2019
Industrial communication networks – Fieldbus specifications
– Part 4-19: Data-link layer protocol specification – Type 19
elements (IEC 61158-4-19:2019)
- EN IEC 61158-4-21:2019
Industrial communication networks – Fieldbus specifications
– Part 4-21: Data-link layer protocol specification – Type 21
elements (IEC 61158-4-21:2019)
- EN IEC 61158-4-24:2019
Industrial communication networks – Fieldbus specifications
– Part 4-24: Data-link layer protocol specification – Type 24
elements (IEC 61158-4-24:2019)

Međunarodna normizacija IEC

- IEC 61158-6-2:2019
Industrial communication networks – Fieldbus specifications
– Part 6-2: Application layer protocol specification – Type 2
elements
- IEC 61158-6-3:2019
Industrial communication networks – Fieldbus specifications
– Part 6-3: Application layer protocol specification – Type 3
elements
- IEC 61158-6-4:2019
Industrial communication networks – Fieldbus specifications
– Part 6-4: Application layer protocol specification – Type 4
elements
- IEC 61158-6-10:2019
Industrial communication networks – Fieldbus specifications
– Part 6-10: Application layer protocol specification – Type 10
elements
- IEC 61158-6-12:2019
Industrial communication networks – Fieldbus specifications
– Part 6-12: Application layer protocol specification – Type 12
elements

IEC 61158-6-19:2019
Industrial communication networks – Fieldbus specifications
– Part 6-19: Application layer protocol specification – Type 19
elements

IEC 61158-6-21:2019
Industrial communication networks – Fieldbus specifications
– Part 6-21: Application layer protocol specification – Type 21
elements

IEC 61158-6-23:2019
Industrial communication networks – Fieldbus specifications
– Part 6-23: Application layer protocol specification – Type 23
elements

IEC 61158-6-25:2019
Industrial communication networks – Fieldbus specifications
– Part 6-25: Application layer protocol specification – Type 25
elements

IEC 61158-6-26:2019
Industrial communication networks – Fieldbus specifications
– Part 6-26: Application layer protocol specification – Type 26
elements

35.180 Terminalna i druga vanjska oprema informacijske tehnologije

Međunarodna normizacija ISO

ISO 9241-210:2019
Ergonomics of human-system interaction – Part 210:
Human-centred design for interactive systems

35.240.01 Primjene informacijske tehnologije općenito

Europska normizacija CEN

CWA 17431:2019
Principles and guidance for licensing Standard Essential
Patents in 5G and the Internet of Things (IoT), including the
Industrial Internet

35.240.15 Identifikacijske kartice i pripadajuće naprave

Europska normizacija ETSI

ETSI TR 102216 V 4.0.0:2019
Smart Cards – Vocabulary for Smart Card Platform
specifications

ETSI TS 102223 V 13.3.0:2019
Smart Cards – Card Application Toolkit (CAT) (Release 13)

ETSI TS 102223 V 14.2.0:2019
Smart Cards – Card Application Toolkit (CAT) (Release 14)

ETSI TS 102223 V 15.2.0:2019
Smart Cards – Card Application Toolkit (CAT) (Release 15)

ETSI TS 102230-2 V 9.2.0:2019
Smart Cards – UICC-Terminal interface – Physical, electrical
and logical test specification – Part 2: UICC features (Release 9)

ETSI TS 102230-2 V 10.0.0:2019
Smart Cards – UICC-Terminal interface – Physical, electrical
and logical test specification – Part 2: UICC features (Release 10)

ETSI TS 102230-2 V 11.0.0:2019
Smart Cards – UICC-Terminal interface – Physical, electrical
and logical test specification – Part 2: UICC features (Release 11)

ETSI TS 102230-2 V 12.0.0:2019
Smart Cards – UICC-Terminal interface – Physical, electrical
and logical test specification – Part 2: UICC features (Release 12)

ETSI TS 102230-2 V 13.0.0:2019
Smart Cards – UICC-Terminal interface – Physical, electrical
and logical test specification – Part 2: UICC features (Release 13)

ETSI TS 102241 V 15.1.0:2019
Smart Cards – UICC Application Programming Interface
(UICC API) for Java Card (TM) (Release 15)

ETSI TS 102412 V 11.2.0:2019
Smart Cards – Smart Card Platform Requirements Stage 1
(Release 11)

ETSI TS 102412 V 12.1.0:2019
Smart Cards – Smart Card Platform Requirements Stage 1
(Release 12)

ETSI TS 102694-1 V 8.3.0:2019
Smart Cards – Test specification for the Single Wire Protocol
(SWP) interface – Part 1: Terminal features (Release 8)

ETSI TS 102694-1 V 9.6.0:2019
Smart Cards – Test specification for the Single Wire Protocol
(SWP) interface – Part 1: Terminal features (Release 9)

ETSI TS 102695-1 V 8.3.0:2019
Smart Cards – Test specification for the Host Controller
Interface (HCI) – Part 1: Terminal features (Release 8)

ETSI TS 102695-1 V 9.5.0:2019
Smart Cards – Test specification for the Host Controller
Interface (HCI) – Part 1: Terminal features (Release 9)

35.240.30 Primjene informacijske tehnologije u obavješćivanju, dokumentaciji i izdavaštvu

Međunarodna normizacija ISO

ISO 15511:2019
Information and documentation – International standard
identifier for libraries and related organizations (ISIL)

ISO 21812-1:2019
Graphic technology – Print product metadata for PDF files
– Part 1: Architecture and core requirements for metadata

ISO 24613-1:2019
Language resource management – Lexical markup framework
(LMF) – Part 1: Core model

35.240.40 Primjene informacijske tehnologije u bankarstvu

Međunarodna normizacija ISO

ISO 10303-42:2018
Industrial automation systems and integration – Product data
representation and exchange – Part 42: Integrated generic
resource: Geometric and topological representation

35.240.50 Primjene informacijske tehnologije u industriji

Europska normizacija CENELEC

EN IEC 61158-1:2019
Industrial communication networks – Fieldbus specifications
– Part 1: Overview and guidance for the IEC 61158 and
IEC 61784 series (IEC 61158-1:2019)

EN IEC 61158-5-25:2019
Industrial communication networks – Fieldbus specifications
– Part 5-25: Application layer service definition – Type 25
elements (IEC 61158-5-25:2019)

EN IEC 61158-5-26:2019
Industrial communication networks – Fieldbus specifications
– Part 5-26: Application layer service definition – Type 26
elements (IEC 61158-5-26:2019)

EN IEC 61784-1:2019
Industrial communication networks – Profiles – Part 1:
Fieldbus profiles (IEC 61784-1:2019)

EN IEC 61784-2:2019
Industrial communication networks – Profiles – Part 2:
Additional fieldbus profiles for real-time networks based on
ISO/IEC/IEEE 8802-3 (IEC 61784-2:2019)

Međunarodna normizacija IEC

IEC 61158-6-2:2019
Industrial communication networks – Fieldbus specifications
– Part 6-2: Application layer protocol specification – Type 2
elements

IEC 61158-6-3:2019
Industrial communication networks – Fieldbus specifications
– Part 6-3: Application layer protocol specification – Type 3
elements

IEC 61158-6-4:2019
Industrial communication networks – Fieldbus specifications
– Part 6-4: Application layer protocol specification – Type 4
elements

IEC 61158-6-10:2019
Industrial communication networks – Fieldbus specifications
– Part 6-10: Application layer protocol specification – Type 10
elements

IEC 61158-6-12:2019
Industrial communication networks – Fieldbus specifications
– Part 6-12: Application layer protocol specification – Type 12
elements

IEC 61158-6-19:2019
Industrial communication networks – Fieldbus specifications
– Part 6-19: Application layer protocol specification – Type 19
elements

IEC 61158-6-21:2019
Industrial communication networks – Fieldbus specifications
– Part 6-21: Application layer protocol specification – Type 21
elements

IEC 61158-6-23:2019
Industrial communication networks – Fieldbus specifications
– Part 6-23: Application layer protocol specification – Type 23
elements

IEC 61158-6-25:2019
Industrial communication networks – Fieldbus specifications
– Part 6-25: Application layer protocol specification – Type 25
elements

IEC 61158-6-26:2019
Industrial communication networks – Fieldbus specifications
– Part 6-26: Application layer protocol specification – Type 26
elements

IEC 81346-2:2019
Industrial systems, installations and equipment and industrial
products – Structuring principles and reference designations
– Part 2: Classification of objects and codes for classes

35.240.60 Primjene informacijske tehnologije u prijevozu i trgovini

Europska normizacija CEN

EN 16495:2019
Air Traffic Management – Information security for organisations
supporting civil aviation operations

CEN/TR 17370:2019
Public transport – Operating raw data and statistics
exchange

ETSI

EN 300674-2-2 V 2.2.1:2019
Transport and Traffic Telematics (TTT) – Dedicated Short
Range Communication (DSRC) transmission equipment
(500 kbit/s / 250 kbit/s) operating in the 5795 MHz to 5815 MHz
frequency band – Part 2: Harmonised Standard for access to
radio spectrum – Sub-part 2: On-Board Units (OBU)

EN 302890-1 V 1.2.1:2019
Intelligent Transport Systems (ITS) – Facilities layer function
– Part 1: Services Announcement (SA) specification

ETSI TR 103299 V 2.1.1:2019
Intelligent Transport System (ITS) – Cooperative Adaptive
Cruise Control (CACC) – Pre-standardization study

35.240.67 Primjene informacijske tehnologije u građevinarstvu

Međunarodna normizacija ISO

ISO/IEC 14543-5-101:2019
Information technology – Home electronic systems (HES)
architecture – Part 5-101: Intelligent grouping and resource
sharing remote AV access profile

35.240.80 Primjene informacijske tehnologije u tehnologiji zaštite zdravlja

Europska normizacija CEN

EN ISO 13606-1:2019
Health informatics – Electronic health record communication
– Part 1: Reference model (ISO 13606-1:2019)

EN ISO 13606-2:2019
Health informatics – Electronic health record communication
– Part 2: Archetype interchange specification
(ISO 13606-2:2019)

EN ISO 13606-3:2019
Health informatics – Electronic health record communication
– Part 3: Reference archetypes and term lists
(ISO 13606-3:2019)

EN ISO 13606-4:2019
Health informatics – Electronic health record communication
– Part 4: Security (ISO 13606-4:2019)

EN ISO 13606-5:2019
Health informatics – Electronic health record communication
– Part 5: Interface specification (ISO 13606-5:2019)

Međunarodna normizacija ISO

ISO 13606-1:2019
Health informatics – Electronic health record communication
– Part 1: Reference model

ISO 13606-2:2019
Health informatics – Electronic health record communication
– Part 2: Archetype interchange specification

ISO 13606-3:2019
Health informatics – Electronic health record communication
– Part 3: Reference archetypes and term lists

ISO 13606-4:2019
Health informatics – Electronic health record communication
– Part 4: Security

ISO 13606-5:2019
Health informatics – Electronic health record communication
– Part 5: Interface specification

35.240.99 Primjene IT-a u ostalim područjima

Međunarodna normizacija ISO

ISO 11783-5:2019
Tractors and machinery for agriculture and forestry – Serial
control and communications data network – Part 5: Network
management

37.040.10 Fotografaska oprema. Projektori

Međunarodna normizacija
ISO

ISO 15781:2019
Photography – Digital still cameras – Measuring shooting time lag, shutter release time lag, shooting rate, and start-up time lag

37.100.99 Ostale norme koje se odnose na grafičku tehnologiju

Međunarodna normizacija
ISO

ISO 21812-1:2019
Graphic technology – Print product metadata for PDF files – Part 1: Architecture and core requirements for metadata

39.060 Nakit

Međunarodna normizacija
ISO

ISO 11495:2019
Jewellery and precious metals – Determination of palladium in palladium alloys – ICP-OES method using an internal standard element

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Međunarodna normizacija
IEC

IEC 63119-1:2019
Information exchange for electric vehicle charging roaming service – Part 1: General

43.040.20 Uređaji za osvjetljivanje, svjetlosnu signalizaciju i upozoravanje

Europska normizacija
CENELEC

EN IEC 60810:2018/A1:2019
Lamps, light sources and LED packages for road vehicles – Performance requirements (IEC 60810:2017/A1:2019)

43.060.40 Sustavi goriva

Europska normizacija
CEN

EN 16652-2:2019
LPG equipment and accessories – Automotive LPG vehicles workshops – Part 2: Personnel competence and training

Međunarodna normizacija
ISO

ISO 22241-5:2019
Diesel engines – NOx reduction agent AUS 32 – Part 5: Refilling interface for passenger cars

43.120 Električna cestovna vozila

Međunarodna normizacija
IEC

IEC 63119-1:2019
Information exchange for electric vehicle charging roaming service – Part 1: General

43.180 Oprema za dijagnostiku, održavanje i ispitivanje

Europska normizacija
CEN

EN 16652-2:2019
LPG equipment and accessories – Automotive LPG vehicles workshops – Part 2: Personnel competence and training

45.060.20 Vozila za tegljenje

Europska normizacija
CEN

EN 16922:2017+A1:2019
Railway applications – Ground based services – Vehicle waste water discharge equipment

47.020.01 Opće norme koje se odnose na brodogradnju i pomorske konstrukcije

Međunarodna normizacija
ISO

ISO 19897:2019
Ships and marine technology – Marine evacuation systems – Testing under conditions of icing

47.020.20 Brodski motori i propulzijski sustavi

Međunarodna normizacija
ISO

ISO 20083-2:2019
Ships and marine technology – Determination of the shaft power of ship propulsion systems by measuring the shaft distortion – Part 2: Optical reflection method

ISO 20083-3:2019
Ships and marine technology – Determination of the shaft power of ship propulsion systems by measuring the shaft distortion – Part 3: Elastic vibration method

47.020.30 Cjevovodni sustavi

Međunarodna normizacija
ISO

ISO 19037:2019
Ships and marine technology – Gate valves for use in low temperature applications – Design and testing requirements

47.020.40 Oprema za dizanje i rukovanje teretom

Međunarodna normizacija
ISO

ISO 21125:2019
Ships and marine technology – Marine cranes – Manufacturing requirements

ISO 21131:2019
Ships and marine technology – Marine cranes – Noise limits and measuring method

47.020.50 Palubna oprema i instalacije

Međunarodna normizacija
ISO

ISO 9089:2019
Marine structures – Mobile offshore units – Mooring positioning windlasses and winches

47.020.70 Oprema za navigaciju i upravljanje

Međunarodna normizacija IEC

- IEC 61097-4:2012/Amd 2:2019
Amendment 2 – Global maritime distress and safety system (GMDSS) – Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment – Operational and performance requirements, methods of testing and required test results
- IEC 61097-4:2012+Amd 2:2019
Global maritime distress and safety system (GMDSS) – Part 4: Inmarsat-C ship earth station and Inmarsat enhanced group call (EGC) equipment – Operational and performance requirements, methods of testing and required test results

47.040 Morska plovila

Međunarodna normizacija ISO

- ISO 11336-3:2019
Large yachts – Strength, weathertightness and watertightness of glazed openings – Part 3: Quality assurance, installation and in-service inspection

47.080 Mala plovila

Europska normizacija CEN

- EN ISO 12215-5:2019
Small craft – Hull construction and scantlings – Part 5: Design pressures for monohulls, design stresses, scantlings determination (ISO 12215-5:2019)

49.025.01 Materijali za zrakoplovne konstrukcije općenito

Europska normizacija CEN

- EN 4867:2019
Aerospace series – Laser surface marking by discoloration

49.025.10 Čelici

Europska normizacija CEN

- EN 3357:2019
Aerospace series – Steel FE-PM1503 (X3CrNiMoAl 13-8-2) – Vacuum induction melted and consumable electrode remelted – Solution treated and precipitation treated – Bar for machining – a or D ≤ 150 mm – 1200 MPa ≤ Rm ≤ 1400 MPa

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

- EN 2812:2019
Aerospace series – Stripping of electric cables
- EN 3155-014:2019
Aerospace series – Electrical contacts used in elements of connection – Part 014: Contacts, electrical, male, type A, crimp, class S – Product standard
- EN 3155-015:2019
Aerospace series – Electrical contacts used in elements of connection – Part 015: Contacts, electrical, female, type A, crimp, class S – Product standard
- EN 3155-078:2019
Aerospace series – Electrical contacts used in elements of connection – Part 078: Contacts size 22 for EN 2997, electrical, male, type A, crimp, class S – Product standard

- EN 3155-082:2019
Aerospace series – Electrical contacts used in elements of connection – Part 082: Contacts, electrical, female, type A, crimp, class S – Product standard

- EN 3475-418:2019
Aerospace series – Cables, electrical, aircraft use – Test methods – Part 418: Thermal endurance for conductors

- EN 3645-005:2019
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 005: Receptacle, hermetic, round flange, solder mounting – Product standard

- EN 3645-010:2019
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 010: Receptacle, hermetic, round flange, jam nut mounting – Product standard

- EN 3645-013:2019
Aerospace series – Connectors, electrical, circular, scoop-proof, triple start threaded coupling, operating temperature 175 °C or 200 °C continuous – Part 013: Dummy receptacle – Product standard

- EN 3660-001:2019
Aerospace series – Cable outlet accessories for circular and rectangular electrical and optical connectors – Part 001: Technical specification

- EN 4608-001:2019
Aerospace series – Cable, electrical, fire resistant – Single and twisted multicore assembly, screened (braided) and jacketed – Operating temperatures between -65 °C and 260 °C – Part 001: Technical specification

- EN 4681-005:2019
Aerospace series – Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium – Part 005: AZ family, single, for use in low pressure atmosphere – Product standard

- EN 4681-006:2019
Aerospace series – Cables, electric, general purpose, with conductors in aluminium or copper-clad aluminium – Part 006: AZA family, single and multicore assembly, for use in low pressure atmosphere –

- EN 4708-001:2019
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 001:

- EN 4838-005:2019
Aerospace series – Arc fault circuit breakers, single-pole, temperature compensated, rated current 3 A to 25 A – 115 V a.c. 400 Hz Constant Frequency – Part 005: With polarized signal contact – Product standard

- EN 6059-305:2019
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 305: Fluid absorption

- EN 6059-407:2019
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 407: Mark adherence and print permanence

49.090 Oprema i instrumenti u zrakoplovu

Europska normizacija ETSI

- EN 303213-6-1 V 3.1.1:2019
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 6: Harmonised Standard for access to radio spectrum for deployed surface movement radar sensors – Sub-part 1: X-band sensors using pulsed signals and transmitting power up to 100 kW

49.095 Oprema za putnike i kabine

Europska normizacija CEN

EN 4706:2019
Aerospace series – LED colour and brightness ranking

49.140 Svemirski sustavi i operacije

Europska normizacija CEN

EN 16604-10:2019
Space sustainability – Space debris mitigation requirements (ISO 24113:2011, modified)

Međunarodna normizacija ISO

ISO 10795:2019
Space systems – Programme management and quality – Vocabulary

ISO 26872:2019
Space systems – Disposal of satellites operating at geosynchronous altitude

53.020.20 Dizalice

Europska normizacija CEN

EN 14492-2:2019
Cranes – Power driven winches and hoists – Part 2: Power driven hoists

53.020.30 Pribor za opremu za dizanje

Međunarodna normizacija ISO

ISO 4778:2019
Round steel short link chains for lifting purposes – Chain slings of welded construction – Grade 8

59.060.01 Tekstilna vlakna općenito

Europska normizacija CEN

EN ISO 1833-27:2019
Textiles – Quantitative chemical analysis – Part 27: Mixtures of cellulose fibres with certain other fibres (method using aluminium sulfate) (ISO 1833-27:2018)

Međunarodna normizacija ISO

ISO 1833-28:2019
Textiles – Quantitative chemical analysis – Part 28: Mixtures of chitosan with certain other fibres (method using diluted acetic acid)

59.080.01 Tekstili općenito

Međunarodna normizacija ISO

ISO 18184:2019
Textiles – Determination of antiviral activity of textile products

ISO 21326:2019
Textiles – Test methods for determining the efficiency of products against house dust mite

59.080.70 Geotekstili

Europska normizacija CEN

EN ISO 11058:2019
Geotextiles and geotextile-related products – Determination of water permeability characteristics normal to the plane, without load (ISO 11058:2019)

59.140.30 Koža i krzno

Europska normizacija CEN

EN ISO 23910:2019
Leather – Physical and mechanical tests – Measurement of stitch tear resistance (ISO 23910:2019)

ISO 18218-2:2019
Leather – Determination of ethoxylated alkylphenols – Part 2: Indirect method

ISO 23910:2019
Leather – Physical and mechanical tests – Measurement of stitch tear resistance

61.020 Odjeća

Europska normizacija CEN

CEN/TR 17376:2019
Textiles – Safety of children's clothing – Guidance on the use of EN 14682:2014 Cords and drawstrings on children's clothing – Specifications

61.060 Obuća

Međunarodna normizacija ISO

ISO 9407:2019
Footwear sizing – Mondopoint system of sizing and marking

65.060.01 Poljoprivredni strojevi i oprema općenito

Međunarodna normizacija ISO

ISO 11783-5:2019
Tractors and machinery for agriculture and forestry – Serial control and communications data network – Part 5: Network management

65.060.35 Oprema za navodnjavanje i isušivanje

Međunarodna normizacija ISO

ISO 15886-4:2019
Irrigation equipment – Irrigation sprinklers – Part 4: Test methods for durability

65.060.70 Oprema za vrtlarstvo

Europska normizacija CENELEC

EN 62841-4-2:2019
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 4-2: Particular requirements for hedge trimmers (IEC 62841-4-2:2017, modified + COR1:2018)

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija ISO

ISO 9512:2019
Cigarettes – Determination of ventilation – Definitions and measurement principles

67.100.10 Mlijeko i obrađeni mliječni proizvodi

Europska normizacija CEN

EN ISO 17678:2019
Milk and milk products – Determination of milk fat purity by gas chromatographic analysis of triglycerides (ISO 17678:2019)

67.200.20 Uljarice

Europska normizacija CEN

EN ISO 9167:2019
Rapeseed and rapeseed meals – Determination of glucosinolates content – Method using high-performance liquid chromatography (ISO 9167:2019)

71.040.40 Kemijska analiza

Međunarodna normizacija IEC

IEC 61207-2:2019
Expression of performance of gas analyzers – Part 2: Measuring oxygen in gas utilizing high-temperature electrochemical sensors

IEC 61207-3:2019
Gas analyzers – Expression of performance – Part 3: Paramagnetic oxygen analyzers

71.100.20 Plinovi za industrijsku primjenu

Međunarodna normizacija ISO

ISO 21087:2019
Gas analysis – Analytical methods for hydrogen fuel – Proton exchange membrane (PEM) fuel cell applications for road vehicles

73.040 Ugljen

Međunarodna normizacija ISO

ISO 8858-1:2019
Hard coal – Froth flotation testing – Part 1: Laboratory procedure

ISO 10086-1:2019
Coal – Methods for evaluating flocculants for use in coal preparation – Part 1: Basic parameters

ISO 11724:2019
Solid mineral fuels – Determination of total fluorine in coal, coke and fly ash

73.120 Oprema za obradu ruda

Međunarodna normizacija ISO

ISO 10752:2019
Coal sizing equipment – Performance evaluation

ISO 10753:2019
Coal preparation plant – Assessment of the liability to breakdown in water of materials associated with coal seams

75.180.10 Oprema za iskorištavanje i vađenje

Europska normizacija CEN

EN ISO 10418:2019
Petroleum and natural gas industries – Offshore production installations – Process safety systems (ISO 10418:2019)

EN ISO 19904-1:2019
Petroleum and natural gas industries – Floating offshore structures – Part 1: Ship-shaped, semi-submersible, spar and shallow-draught cylindrical structures (ISO 19904-1:2019)

Međunarodna normizacija ISO

ISO 19900:2019
Petroleum and natural gas industries – General requirements for offshore structures

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Europska normizacija CEN

EN ISO 19345-2:2019
Petroleum and natural gas industry – Pipeline transportation systems – Pipeline integrity management specification – Part 2: Full-life cycle integrity management for offshore pipeline (ISO 19345-2:2019)

77.040.20 Nerazorno ispitivanje metala

Međunarodna normizacija ISO

ISO 10049:2019
Aluminium alloy castings – Visual method for assessing porosity

77.040.30 Kemijska analiza metala

Europska normizacija CEN

EN 10136:2019
Steels and cast irons – Determination of nickel content – Flame atomic absorption spectrometric method (FAAS)

EN 10177:2019
Steels – Determination of calcium content – Flame atomic absorption spectrometric method (FAAS)

EN 10181:2019
Steels – Determination of lead content – Flame atomic absorption spectrometric method (FAAS)

77.080.10 Željezni lijevovi

Međunarodna normizacija ISO

ISO 945-1:2019
Microstructure of cast irons – Part 1: Graphite classification by visual analysis

77.080.20 Čelici

Europska normizacija CEN

CEN/TR 10367:2019
Alloyed steels – Determination of chromium content – Inductively coupled plasma optical emission spectrometric method

77.150.30 Proizvodi od bakra

Europska normizacija CEN

- EN 17263:2019
Copper and copper alloys – Eddy current testing on the outer surface of rods, bars, hollow rods and wires for the detection of defects by encircling test coil

79.120.10 Strojevi za obradu drva

Europska normizacija CEN

- EN ISO 19085-7:2019
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines (ISO 19085-7:2019)

Međunarodna normizacija ISO

- ISO 19085-7:2019
Woodworking machines – Safety – Part 7: Surface planing, thickness planing, combined surface/thickness planing machines

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

- ISO 21859:2019
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for plasma resistance of ceramic components in semiconductor manufacturing equipment

83.060 Guma

Međunarodna normizacija ISO

- ISO 2951:2019
Rubber, vulcanized rubber – Determination of insulation resistance
- ISO 14309:2019
Rubber, vulcanized or thermoplastic – Determination of volume and/or surface resistivity

83.080.01 Plastika općenito

Europska normizacija CEN

- EN ISO 3251:2019
Paints, varnishes and plastics – Determination of non-volatile-matter content (ISO 3251:2019)
- EN ISO 16014-5:2019
Plastics – Determination of average molecular weight and molecular weight distribution of polymers using size-exclusion chromatography – Part 5: Light-scattering method (ISO 16014-5:2019)
- EN ISO 17422:2019
Plastics – Environmental aspects – General guidelines for their inclusion in standards (ISO 17422:2018)

Međunarodna normizacija ISO

- ISO 13468-1:2019
Plastics – Determination of the total luminous transmittance of transparent materials – Part 1: Single-beam instrument

83.080.20 Plastomerni materijali

Europska normizacija CEN

- EN 17271:2019
Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the peel strength of profiles laminated with foils
- EN ISO 305:2019
Plastics – Determination of thermal stability of poly(vinyl chloride), related chlorine-containing homopolymers and copolymers and their compounds – Discoloration method (ISO 305:2019)
- EN ISO 1110:2019
Plastics – Polyamides – Accelerated conditioning of test specimens (ISO 1110:2019)

Međunarodna normizacija ISO

- ISO 9113:2019
Plastics – Polypropylene (PP) and propylene-copolymer thermoplastics – Determination of isotactic index

83.140.50 Brtve

Europska normizacija CEN

- EN 549:2019
Rubber materials for seals and diaphragms for gas appliances and gas equipment

83.140.99 Ostali gumeni i plastični proizvodi

Europska normizacija CEN

- EN 17271:2019
Plastics – Poly(vinyl chloride) (PVC) based profiles – Determination of the peel strength of profiles laminated with foils

83.180 Adhezivi

Europska normizacija CEN

- EN ISO 10123:2019
Adhesives – Determination of shear strength of anaerobic adhesives using pin-and-collar specimens (ISO 10123:2013)

Međunarodna normizacija ISO

- ISO 11343:2019
Adhesives – Determination of dynamic resistance to cleavage of high-strength adhesive bonds under impact wedge conditions – Wedge impact method
- ISO 22631:2019
Adhesives – Test methods for adhesives for floor and wall coverings – Peel test
- ISO 22632:2019
Adhesives – Test methods for adhesives for floor and wall coverings – Shear test
- ISO 22635:2019
Adhesives – Test methods for adhesives for plastic or rubber floor coverings or wall coverings – Determination of dimensional changes after accelerated ageing
- ISO 22637:2019
Adhesives – Test of adhesive for floor covering – Determination of the electrical resistance of adhesive films and composites

83.200 Oprema za industriju gume i plastike

Europska normizacija CEN

EN 12012-4:2019
Plastics and rubber machines – Size reduction machines
– Part 4: Safety requirements for agglomerators

85.060 Papir i karton

Europska normizacija CEN

CWA 17433:2019
Mapping of Future needs of standardisation in the paper and board sector for food contact applications

Međunarodna normizacija ISO

ISO 2144:2019
Paper, board, pulps and cellulose nanomaterials
– Determination of residue (ash content) on ignition at 900 °C

85.080.20 Tanki upijajući papir

Europska normizacija CEN

EN ISO 12625-11:2019
Tissue paper and tissue products – Part 11: Determination of wet ball burst strength (ISO 12625-11:2019)

87.040 Boje i lakovi

Europska normizacija CEN

EN ISO 1518-1:2019
Paints and varnishes – Determination of scratch resistance
– Part 1: Constant-loading method (ISO 1518-1:2019)

EN ISO 1518-2:2019
Paints and varnishes – Determination of scratch resistance
– Part 2: Variable-loading method (ISO 1518-2:2019)

EN ISO 3251:2019
Paints, varnishes and plastics – Determination of non-volatile-matter content (ISO 3251:2019)

EN ISO 6504-1:2019
Paints and varnishes – Determination of hiding power
– Part 1: Kubelka-Munk method for white and light-coloured paints (ISO 6504-1:2019)

EN ISO 9514:2019
Paints and varnishes – Determination of the pot life of multicomponent coating systems – Preparation and conditioning of samples and guidelines for testing (ISO 9514:2019)

Međunarodna normizacija ISO

ISO 1518-1:2019
Paints and varnishes – Determination of scratch resistance
– Part 1: Constant-loading method

ISO 1518-2:2019
Paints and varnishes – Determination of scratch resistance
– Part 2: Variable-loading method

ISO 2431:2019
Paints and varnishes – Determination of flow time by use of flow cups

ISO 22516:2019
Paints and varnishes – Practical determination of non-volatile and volatile matter content during application

ISO 23321:2019
Solvents for paints and varnishes – Demineralized water for industrial applications – Specification and test methods

87.060.10 Pigmenti i punila

Europska normizacija CEN

EN ISO 18473-3:2019
Functional pigments and extenders for special application
– Part 3: Fumed silica for silicone rubber application
(ISO 18473-3:2018)

87.060.20 Veziva

Europska normizacija CEN

EN ISO 3251:2019
Paints, varnishes and plastics – Determination of non-volatile-matter content (ISO 3251:2019)

91.060.10 Zidovi. Pregrade. Pročelja

Europska normizacija CEN

CWA 17437:2019
Innovative and adaptable envelopes over existing façades in building refurbishment – Design, economic assessment, logistics and installation guidelines

91.060.40 Dimnjaci, okna, kanali

Europska normizacija CEN

EN 13384-1:2015+A1:2019
Chimneys – Thermal and fluid dynamic calculation methods
– Part 1: Chimneys serving one combustion appliance

EN 13384-2:2015+A1:2019
Chimneys – Thermal and fluid dynamic calculation methods
– Part 2: Chimneys serving more than one combustion appliance

91.060.50 Vrata i prozori

Europska normizacija CEN

EN 15269-1:2019
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware
– Part 1: General requirements

91.080.20 Drvene konstrukcije

Europska normizacija CEN

EN 13381-7:2019
Test methods for determining the contribution to the fire resistance of structural members – Part 7: Applied protection to timber members

Međunarodna normizacija ISO

ISO/TR 19623:2019
Timber structures – Glued laminated timber – Assignment of glued laminated timber characteristic values from laminate properties

91.100.15 Mineralni materijali i proizvodi

Europska normizacija CEN

- EN 12670:2019
Natural stone – Terminology

91.100.30 Beton i betonski proizvodi

Europska normizacija CEN

- EN 12350-1:2019
Testing fresh concrete – Part 1: Sampling and common apparatus
- EN 12350-2:2019
Testing fresh concrete – Part 2: Slump test
- EN 12350-3:2019
Testing fresh concrete – Part 3: Vebe test
- EN 12350-4:2019
Testing fresh concrete – Part 4: Degree of compactability
- EN 12350-5:2019
Testing fresh concrete – Part 5: Flow table test
- EN 12350-6:2019
Testing fresh concrete – Part 6: Density
- EN 12350-7:2019
Testing fresh concrete – Part 7: Air content – Pressure methods
- EN 12350-8:2019
Testing fresh concrete – Part 8: Self-compacting concrete – Slump-flow test
- EN 12390-2:2019
Testing hardened concrete – Part 2: Making and curing specimens for strength tests
- EN 12390-3:2019
Testing hardened concrete – Part 3: Compressive strength of test specimens
- EN 12390-5:2019
Testing hardened concrete – Part 5: Flexural strength of test specimens
- EN 12390-7:2019
Testing hardened concrete – Part 7: Density of hardened concrete
- EN 12390-8:2019
Testing hardened concrete – Part 8: Depth of penetration of water under pressure
- EN 12504-1:2019
Testing concrete in structures – Part 1: Cored specimens – Taking, examining and testing in compression

91.100.60 Materijali za toplinsku i zvučnu izolaciju

Međunarodna normizacija ISO

- ISO 16535:2019
Thermal insulating products for building applications – Determination of long-term water absorption by immersion
- ISO 16536:2019
Thermal insulating products for building applications – Determination of long-term water absorption by diffusion
- ISO 29767:2019
Thermal insulating products for building applications – Determination of short-term water absorption by partial immersion

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CENELEC

- HD 60364-8-1:2019
Low-voltage electrical installations – Part 8-1: Functional aspects – Energy efficiency (IEC 60364-8-1:2019)
- HD 60364-8-1:2019/AC:2019
Low-voltage electrical installations – Part 8-1: Functional aspect – Energy efficiency (IEC 60364-8-1:2019/COR1:2019)

Međunarodna normizacija IEC

- IEC 62052-31 Interpretation Sheet 1:2019
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests; Interpretation Sheet 1

93.080.40 Rasvjeta ulica i srodna oprema

Europska normizacija ETSI

- ETSI TS 110174-2-2 V 1.1.1:2019
Access, Terminals, Transmission and Multiplexing (ATTM) – Sustainable Digital Multiservice Cities – Broadband Deployment and Energy Management – Part 2: Multiservice Networking Infrastructure and Associated Street Furniture – Sub-part 2: The use of lamp-posts for hosting sensing devices and 5G networking

97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

Europska normizacija CENELEC

- EN 60335-2-99:2003/A1:2019
Household and similar electrical appliances – Safety – Part 2-99: Particular requirements for commercial electric hoods (IEC 60335-2-99:2003/A1:2017)

97.040.30 Kućanski rashladni uređaji

Međunarodna normizacija IEC

- IEC 60335-2-89:2019
Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor

97.060 Praonički uređaji

Europska normizacija CEN

- EN 17116-3:2019
Specifications for industrial laundry machines – Definitions and testing of capacity and consumption characteristics – Part 3: Continuous tunnel washer
- EN 17116-4:2019
Specifications for industrial laundry machines – Definitions and testing of capacity and consumption characteristics – Part 4: Washer-extractors

97.130.20 Trgovački rashladni uređaji

Europska normizacija CEN

EN 16838:2019
Refrigerated display scooping cabinets and pozzetto for gelato – Classification, requirements, performance and energy consumption testing

EN ISO 22041:2019
Refrigerated storage cabinets and counters for professional use – Performance and energy consumption (ISO 22041:2019)

Međunarodna normizacija IEC

IEC 60335-2-89:2019
Household and similar electrical appliances – Safety – Part 2-89: Particular requirements for commercial refrigerating appliances and ice-makers with an incorporated or remote refrigerant unit or motor-compressor

97.140 Namještaj

Europska normizacija CEN

EN 15939:2019
Hardware for furniture – Strength and loading capacity of wall attachment devices

97.150 Netekstilni podni prekrivači

Međunarodna normizacija ISO

ISO 13746:2019
Textile floor coverings – Guidelines for installation and use on stairs

97.190 Oprema za djecu

Europska normizacija CEN

CEN/TR 17376:2019
Textiles – Safety of children's clothing – Guidance on the use of EN 14682:2014 Cords and drawstrings on children's clothing – Specifications

97.220.01 Sportska oprema i objekti općenito

Europska normizacija CEN

EN 17229:2019
Fitness centres – Requirements for centre amenities and operation – Operational and managerial requirements

97.220.40 Oprema za sportove na otvorenom i sportove na vodi

Europska normizacija CEN

EN 1069-1:2017+A1:2019
Water slides – Part 1: Safety requirements and test methods