

Hrvatski zavod za norme

Oglasnik za normativne dokumente

3/2017 ožujak, 2017.

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

Sadržaj:

1	Rezultati hrvatske normizacije	A3
1.1	Hrvatske norme	A3
1.2	Nacrti hrvatskih norma	
1.3	Prijedlozi za prihvaćanje stranih norma u izvorniku	A15
1.4	Povučene hrvatske norme	A21
1.5	Povučeni nacrti hrvatskih norma	
1.6	Ispravci hrvatskih norma	A41
1.7	Naslovi objavljenih hrvatskih norma na hrvatskome jeziku	
1.8	Drugi normativni dokumenti	
1.9	Opća izdanja HZN-a	
1.10	Prijevod hrvatskih normativnih dokumenata	
2	Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju	A43

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 8, Brodogradnja

HRN EN 16840:2017 en pr
Plovni objekti unutarnje plovidbe – Električni priključak s kopna, trofazna struja 400 V, 50 Hz, najmanje 250 A (EN 16840:2017)
Inland navigation vessels – Electrical shore connection, three-phase current 400 V, 50 Hz, at least 250 A (EN 16840:2017)

HRN ISO 22472:2017 en pr
Brodovi i pomorska tehnologija – Smjernice za rad i ugradnju zapisivača podataka o putovanju broda (VDR) (ISO 22472:2016)
Ships and marine technology – Guidelines for the operation and installation of voyage data recorder (VDR) (ISO 22472:2016)

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 54-13:2017 en pr
Sustavi za otkrivanje i dojavu požara – 13. dio: Ocjenjivanje kompatibilnosti i spojivosti dijelova sustava (EN 54-13:2017)
Fire detection and fire alarm systems – Part 13: Compatibility and connectability assessment of system components (EN 54-13:2017)

HZN/TO 22, Cestovna vozila

HRN EN ISO 18246:2017 en pr
Mopedi i motocikli na električni pogon – Sigurnosni zahtjevi za vodljivi priključak na vanjsko električno napajanje (ISO 18246:2015; EN ISO 18246:2017)
Electrically propelled mopeds and motorcycles – Safety requirements for conductive connection to an external electric power supply (ISO 18246:2015; EN ISO 18246:2017)

HZN/TO 23, Traktori i strojevi za poljoprivredu i šumarstvo

HRN EN ISO 13693-1:2017 en pr
Oprema za navodnjavanje – Sigurnosni uređaji za dodavanje kemikalija u vodu za navodnjavanje – Mali plastični ventili za dodavanje kemikalija u vodu za navodnjavanje (ISO 13693-1:2013; EN ISO 13693-1:2017)
Irrigation equipment – Safety devices for chemigation – Part 1: Small plastics valves for chemigation (ISO 13693-1:2013; EN ISO 13693-1:2017)

HZN/TO 25, Ljevarstvo

HRN EN 1559-5:2017 en pr
Ljevarstvo – Tehnički uvjeti isporuke – 5. dio: Dodatni zahtjevi za odljevke od magnezijevih legura (EN 1559-5:2017)
Founding – Technical conditions of delivery – Part 5: Additional requirements for magnesium alloy castings (EN 1559-5:2017)

HRN EN 12421:2017 en pr
Magnezij i magnezijeve legure – Nelegirani magnezij (EN 12421:2017)
Magnesium and magnesium alloys – Unalloyed magnesium (EN 12421:2017)

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 16900:2017 en pr
Brza piroliza bioulja za industrijske kotlove – Zahtjevi i metode ispitivanja (EN 16900:2017)
Fast pyrolysis bio-oils for industrial boilers – Requirements and test methods (EN 16900:2017)

HZN/TO 35, Boje i lakovi

HRN EN ISO 8502-2:2017 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 2. dio: Laboratorijsko određivanje klorida na očišćenim površinama (ISO 8502-2:2017; EN ISO 8502-2:2017)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 2: Laboratory determination of chloride on cleaned surfaces (ISO 8502-2:2017; EN ISO 8502-2:2017)

HRN EN ISO 8502-3:2017 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 3. dio: Ocjena zapašenosti čeličnih površina pripremljenih za bojenje (metoda pomoću trake osjetljive na pritisak) (ISO 8502-3:2017; EN ISO 8502-3:2017)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method) (ISO 8502-3:2017; EN ISO 8502-3:2017)

HRN EN ISO 8502-4:2017 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 4. dio: Smjernice za procjenu mogućnosti kondenzacije prije nanašanja boje (ISO 8502-4:2017; EN ISO 8502-4:2017)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 4: Guidance on the estimation of the probability of condensation prior to paint application (ISO 8502-4:2017; EN ISO 8502-4:2017)

HRN EN ISO 8503-5:2017 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čistih mlazom abraziva – 5. dio: Metoda replika trake za određivanje profila površine (ISO 8503-5:2017; EN ISO 8503-5:2017)
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 5: Replica tape method for the determination of the surface profile (ISO 8503-5:2017; EN ISO 8503-5:2017)

HRN EN 13523-1:2017 en pr
Metali zaštićeni trakom – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2017)
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2017)

HRN EN 13523-10:2017 en pr
Metali zaštićeni trakom – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2017)
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2017)

HRN EN 13523-12:2017 en pr
Metali zaštićeni trakom – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2017)
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2017)

HRN EN 13523-22:2017 en pr
Metali zaštićeni trakom – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2017)
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2017)

HRN EN 13523-29:2017 en pr
Metali zaštićeni trakom – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2017)
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2017)

HRN EN ISO 20567-1:2017 en pr
Boje i lakovi – Određivanje otpornosti premaza na udare kamenim krhotinama – 1. dio: Ispitivanje s više udaraca (ISO 20567-1:2017; EN ISO 20567-1:2017)
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 1: Multi-impact testing (ISO 20567-1:2017; EN ISO 20567-1:2017)

HRN EN ISO 20567-2:2017 en pr
Boje i lakovi – Određivanje otpornosti premaza na udare kamenim krhotinama – 2. dio: Ispitivanje jednim udarcem s vođenim udarnim tijelom (ISO 20567-2:2017; EN ISO 20567-2:2017)
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 2: Single-impact test with a guided impact body (ISO 20567-2:2017; EN ISO 20567-2:2017)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9013:2017 en pr
Toplinsko rezanje – Razredba rezova – Geometrijska specifikacija proizvoda i dopuštena odstupanja kvalitete (ISO 9013:2017; EN ISO 9013:2017)
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances (ISO 9013:2017; EN ISO 9013:2017)

HZN/TO 54, Eterična ulja

HRS ISO/TS 210:2017 en pr
Eterična ulja – Opća pravila pakiranja, kondicioniranja i čuvanja (ISO/TS 210:2014)
Essential oils – General rules for packaging, conditioning and storage (ISO/TS 210:2014)

HRS ISO/TS 211:2017 en pr
Eterična ulja – Opća pravila deklariranja i označavanja spremnika (ISO/TS 211:2014)
Essential oils – General rules for labelling and marking of containers (ISO/TS 211:2014)

HZN/TO 89, Furniri i drvene ploče

HRN EN 14323:2017 en pr
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Metode ispitivanja (EN 14323:2017)
Wood-based panels – Melamine faced boards for interior uses – Test methods (EN 14323:2017)

HZN/TO 120, Koža i obuća

HRN EN ISO 2418:2017 en pr
Koža – Kemijska, fizikalna i mehanička ispitivanja i ispitivanja postojanosti – Mjesto uzorkovanja (ISO 2418:2017; EN ISO 2418:2017)
Leather – Chemical, physical and mechanical and fastness test – Sampling location (ISO 2418:2017; EN ISO 2418:2017)

HRN EN ISO 2420:2017 en pr
Koža – Fizikalna i mehanička ispitivanja – Određivanje prividne gustoće i mase po jedinici površine (ISO 2420:2017; EN ISO 2420:2017)
Leather – Physical and mechanical tests – Determination of apparent density and mass per unit area (ISO 2420:2017; EN ISO 2420:2017)

HRN EN ISO 5402-1:2017 en pr
Koža – Određivanje otpornosti na svijanje – 1. dio: Metoda fleksometrom (ISO 5402-1:2017; EN ISO 5402-1:2017)
Leather – Determination of flex resistance – Part 1: Flexometer method (ISO 5402-1:2017; EN ISO 5402-1:2017)

HRN EN ISO 17075-1:2017 en pr
Koža – Kemijsko određivanje sadržaja kroma (VI) u koži – 1. dio: Kolorimetrijska metoda (ISO 17075-1:2017; EN ISO 17075-1:2017)
Leather – Chemical determination of chromium(VI) content in leather – Part 1: Colorimetric method (ISO 17075-1:2017; EN ISO 17075-1:2017)

HRN EN ISO 17075-2:2017 en pr
Koža – Kemijsko određivanje sadržaja kroma (VI) u koži – 2. dio: Kromatografska metoda (ISO 17075-2:2017; EN ISO 17075-2:2017)
Leather – Chemical determination of chromium(VI) content in leather – Part 2: Chromatographic method (ISO 17075-2:2017; EN ISO 17075-2:2017)

HRN EN ISO 17232:2017 en pr
Koža – Fizikalna i mehanička ispitivanja – Određivanje otpornosti lakirane kože na toplinu (ISO 17232:2017; EN ISO 17232:2017)
Leather – Physical and mechanical tests – Determination of heat resistance of patent leather (ISO 17232:2017; EN ISO 17232:2017)

HRN EN ISO 17233:2017 en pr
Koža – Fizikalna i mehanička ispitivanja – Određivanje hladne temperature pucanja površinskih prevlaka (ISO 17233:2017; EN ISO 17233:2017)
Leather – Physical and mechanical tests – Determination of cold crack temperature of surface coatings (ISO 17233:2017; EN ISO 17233:2017)

HRN EN ISO 23910:2017 en pr
Koža – Fizikalna i mehanička ispitivanja – Mjerenje otpornosti na kidanje klinom (ISO 23910:2017; EN ISO 23910:2017)
Leather – Physical and mechanical tests – Measurement of stitch tear resistance (ISO 23910:2017; EN ISO 23910:2017)

HZN/TO 134, Gnojiva i poboljšivači tla

HRN EN 16317:2017 en pr
Gnojiva i tvari za kalcifikaciju – Određivanje arsena atomskom emisijskom spektrometrijom s induktivno spregnutom plazmom (ICP-AES) nakon otapanja u zlatotopci (EN 16317:2013+A1:2017)
Fertilizers and liming materials – Determination of arsenic by inductively coupled plasma-atomic emission spectrometry (ICP-AES) after aqua regia dissolution (EN 16317:2013+A1:2017)

HRN EN 16320:2017 en pr
Gnojiva i tvari za kalcifikaciju – Određivanje žive tehnikom stvaranja pare (VG) nakon otapanja u zlatotopci (EN 16320:2013+A1:2017)
Fertilizers and liming materials – Determination of mercury by vapour generation (VG) after aqua regia dissolution (EN 16320:2013+A1:2017)

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 5577:2017 en pr
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Terminološki rječnik (ISO 5577:2017; EN ISO 5577:2017)
Non-destructive testing – Ultrasonic testing – Vocabulary (ISO 5577:2017; EN ISO 5577:2017)

HZN/TO 136, Namještaj

HRN EN 581-1:2017 en pr
Namještaj za vanjsku primjenu – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 1. dio: Opći sigurnosni zahtjevi (EN 581-1:2017)
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 1: General safety requirements (EN 581-1:2017)

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

HRN EN ISO 15876-1:2017 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 1. dio: Općenito (ISO 15876-1:2017; EN ISO 15876-1:2017)
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 1: General (ISO 15876-1:2017; EN ISO 15876-1:2017)

HRN EN ISO 15876-2:2017 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 2. dio: Cijevi (ISO 15876-2:2017; EN ISO 15876-2:2017)
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes (ISO 15876-2:2017; EN ISO 15876-2:2017)

HRN EN ISO 15876-3:2017 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 3. dio: Spojnice (ISO 15876-3:2017; EN ISO 15876-3:2017)
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings (ISO 15876-3:2017; EN ISO 15876-3:2017)

HRN EN ISO 15876-5:2017 en pr
Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 5. dio: Prikadnost sustava za uporabu (ISO 15876-5:2017; EN ISO 15876-5:2017)
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system (ISO 15876-5:2017; EN ISO 15876-5:2017)

HZN/TO 146, Kvaliteta zraka

HRN EN 16450:2017 en pr
Vanjski zrak – Automatski mjerni sustavi za mjerenje koncentracije lebdećih čestica (PM10, PM2,5) (EN 16450:2017)
Ambient air – Automated measuring systems for the measurement of the concentration of particulate matter (PM10, PM2,5) (EN 16450:2017)

HRN EN 16909:2017 en pr
Vanjski zrak – Mjerenje elementarnog ugljika (EC) i organskog ugljika (OC) sakupljenog na filtrima (EN 16909:2017)
Ambient air – Measurement of elemental carbon (EC) and organic carbon (OC) collected on filters (EN 16909:2017)

HRN EN/TR 16269:2017 en pr
Vanjski zrak – Upute za mjerenje aniona i kationa u frakciji PM2,5 (CEN/TR 16269:2011)
Ambient air – Guide for the measurement of anions and cations in PM2,5 (CEN/TR 16269:2011)

HZN/TO 147, Kvaliteta vode

HRN EN 16859:2017 en pr
Kvaliteta vode – Savjetodavna norma za praćenje populacija riječne bisernice (Margaritifera margaritifera) i njihovog okoliša (EN 16859:2017)
Water quality – Guidance standard on monitoring freshwater pearl mussel (Margaritifera margaritifera) populations and their environment (EN 16859:2017)

HRN EN 16870:2017 en pr
Kvaliteta vode – Savjetodavna norma za određivanje stupnja promjene hidromorfologije jezera (EN 16870:2017)
Water quality – Guidance standard on determining the degree of modification of lake hydromorphology (EN 16870:2017)

HZN/TO 159, Ergonomija

HRN EN ISO 9241-392:2017 en pr
Ergonomija interakcije čovjek-sustav – 392. dio: Ergonomske preporuke za smanjenje iscrpljenosti vida zbog stereoskopskih slika (ISO 9241-392:2015; EN ISO 9241-392:2017)
Ergonomics of human-system interaction – Part 392: Ergonomic recommendations for the reduction of visual fatigue from stereoscopic images (ISO 9241-392:2015; EN ISO 9241-392:2017)

HRN EN ISO 20685-2:2017 en pr
Ergonomija – 3-D metodologije skeniranja za međunarodno kompatibilne antropometrijske baze podataka – 2. dio: Evaluacijski protokol oblika površine i ponovljivosti relativnih referentnih pozicija (ISO 20685-2:2015; EN ISO 20685-2:2017)
Ergonomics – 3-D scanning methodologies for internationally compatible anthropometric databases – Part 2: Evaluation protocol of surface shape and repeatability of relative landmark positions (ISO 20685-2:2015; EN ISO 20685-2:2017)

HZN/TO 190, Kvaliteta tla

HRN ISO 18400-101:2017 en pr
Kvaliteta tla – Uzorkovanje – 101. dio: Okvir za pripremu i provedbu plana uzorkovanja (ISO 18400-101:2017)
Soil quality – Sampling – Part 101: Framework for the preparation and application of a sampling plan (ISO 18400-101:2017)

HRN ISO 18400-102:2017 en pr
Kvaliteta tla – Uzorkovanje – 102. dio: Odabir i primjena metoda uzorkovanja (ISO 18400-102:2017)
Soil quality – Sampling – Part 102: Selection and application of sampling techniques (ISO 18400-102:2017)

HRN ISO 18400-103:2017 en pr
Kvaliteta tla – Uzorkovanje – 103. dio: Sigurnost (ISO 18400-103:2017)
Soil quality – Sampling – Part 103: Safety (ISO 18400-103:2017)

HRN ISO 18400-105:2017 en pr
Kvaliteta tla – Uzorkovanje – 105. dio: Pakiranje, prijevoz, skladištenje i čuvanje uzoraka (ISO 18400-105:2017)
Soil quality – Sampling – Part 105: Packaging, transport, storage and preservation of samples (ISO 18400-105:2017)

HRN ISO 18400-107:2017 en pr
Kvaliteta tla – Uzorkovanje – 107. dio: Bilježenje i izvještavanje (ISO 18400-107:2017)
Soil quality – Sampling – Part 107: Recording and reporting (ISO 18400-107:2017)

HRN ISO 18400-204:2017 en pr
Kvaliteta tla – Uzorkovanje – 204. dio: Upute za uzorkovanje plina u tlu (ISO 18400-204:2017)
Soil quality – Sampling – Part 204: Guidance on sampling of soil gas (ISO 18400-204:2017)

HZN/TO 215, Medicinska informatika

HRN EN ISO 11073-00103:2017 en pr
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – Dio 00103: Pregled (ISO/IEEE 11073-00103:2015; EN ISO 11073-00103:2017)
Health informatics – Personal health device communication – Part 00103: Overview (ISO/IEEE 11073-00103:2015; EN ISO 11073-00103:2017)

HRN EN ISO 11073-10441:2017 en pr
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – Dio 10441: Namjena uređaja – Nadzor nad sposobnostima i aktivnošću kardiovaskularnog sustava (ISO/IEEE 11073-10441:2015; EN ISO 11073-10441:2017)
Health informatics – Personal health device communication – Part 10441: Device specialization – Cardiovascular fitness and activity monitor (ISO/IEEE 11073-10441:2015; EN ISO 11073-10441:2017)

HRN EN ISO 11073-10442:2017 en pr
Medicinska informatika – Povezivost osobnoga medicinskog uređaja – Dio 10442: Namjena uređaja – Oprema za osnaživanje tijela (ISO/IEEE 11073-10442:2015; EN ISO 11073-10442:2017)
Health informatics – Personal health device communication – Part 10442: Device specialization – Strength fitness equipment (ISO/IEEE 11073-10442:2015; EN ISO 11073-10442:2017)

HRN EN ISO 21298:2017 en pr
Medicinska informatika – Funkcionalne i strukturne uloge (ISO 21298:2017; EN ISO 21298:2017)
Health informatics – Functional and structural roles (ISO 21298:2017; EN ISO 21298:2017)

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 18134-2:2017 en pr
Čvrsta biogoriva – Određivanje udjela vlage – Metoda sušionika – 2. dio: Ukupna vlaga – Pojednostavljena metoda (ISO 18134-2:2017; EN ISO 18134-2:2017)
Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method (ISO 18134-2:2017; EN ISO 18134-2:2017)

HZN/TO 502, Plinski uređaji

HRN EN ISO 14532:2017 en pr
Prirodni plin – Rječnik (ISO 14532:2014; EN ISO 14532:2017)
Natural gas – Vocabulary (ISO 14532:2014; EN ISO 14532:2017)

HRN EN 15181:2017 en pr
Mjerna metoda za potrošnju energije plinskih pećnica (EN 15181:2017)
Measuring method of the energy consumption of gas fired ovens (EN 15181:2017)

HRN EN 16830:2017 en pr
Sigurnosni i regulirajući uređaji za plamenike i uređaje na plinska ili tekuća goriva – Kontrolne funkcije u elektroničkim sustavima – Kontrola temperature (EN 16830:2017)
Safety and control devices for burners and appliances burning gaseous or liquid fuels – Control functions in electronic systems – Temperature Control function (EN 16830:2017)

HRN EN 16905-1:2017 en pr
Dizalice topline s plinskim endotermnim motorom – 1. dio: Nazivi i definicije (EN 16905-1:2017)
Gas-fired endothermic engine driven heat pumps – Part 1: Terms and definitions (EN 16905-1:2017)

HRN EN 16905-3:2017 en pr
Gas-fired endothermic engine driven heat pumps – Part 3: Test conditions (EN 16905-3:2017)

HRN EN 16905-4:2017 en pr
Dizalice topline s plinskim endotermnim motorom – 4. dio:
Metode ispitivanja (EN 16905-4:2017)
Gas-fired endothermic engine driven heat pumps – Part 4:
Test methods (EN 16905-4:2017)

HRN EN 16905-5:2017 en pr
Dizalice topline s plinskim endotermnim motorom – 5. dio:
Proračun sezonskih značajka pri grijanju i hlađenju
(EN 16905-5:2017)
Gas-fired endothermic engine driven heat pumps – Part 5:
Calculation of seasonal performances in heating and cooling
mode (EN 16905-5:2017)

HZN/TO 503, Metalni materijali

HRN EN 515:2017 en pr
Aluminij i aluminijeve legure – Gnječeni proizvodi
– Označavanje stanja materijala (EN 515:2017)
Aluminium and aluminium alloys – Wrought products – Temper
designations (EN 515:2017)

HRN EN ISO 4885:2017 en pr
Proizvodi na bazi željeza – Toplinske obrade – Terminološki
rječnik (ISO 4885:2017; EN ISO 4885:2017)
Ferrous products – Heat treatments – Vocabulary
(ISO 4885:2017; EN ISO 4885:2017)

HRN EN 12020-2:2016/Ispr.1:2017 en pr
Aluminij i aluminijeve legure – Istisnuti precizni profili od legura
EN AW-6060 i EN AW-6063 – 2. dio: Dopuštena odstupanja
dimenzija i oblika (EN 12020-2:2016/AC:2017)
Aluminium and aluminium alloys – Extruded precision profiles
in alloys EN AW-6060 and EN AW-6063 – Part 2: Tolerances
on dimensions and form (EN 12020-2:2016/AC:2017)

HRN EN ISO 16120-2:2017 en pr
Valjana žica od nelegiranog čelika za vučenje u žicu
– 2. dio: Posebni zahtjevi za valjanu žicu za opću namjenu
(ISO 16120-2:2017; EN ISO 16120-2:2017)
Non-alloy steel wire rod for conversion to wire – Part 2:
Specific requirements for general-purpose wire rod
(ISO 16120-2:2017; EN ISO 16120-2:2017)

HRN EN 16914:2017 en pr
Aluminij i aluminijeve legure – Toplo valjane ojačane
ploče iz aluminijeve legure – Tehnički uvjeti za isporuku
(EN 16914:2017)
Aluminium and aluminium alloys – Hot-rolled armour plates
in weldable aluminium alloy – Technical delivery conditions
(EN 16914:2017)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 8401:2017 en pr
Metalne prevlake – Pregled metoda mjerenja žilavosti
(ISO 8401:2017; EN ISO 8401:2017)
Metallic coatings – Review of methods of measurement of
ductility (ISO 8401:2017; EN ISO 8401:2017)

HRN EN ISO 28706-2:2017 en pr
Staklasti i porculanski emajli – Određivanje otpornosti na
kemijsku koroziju – 2. dio: Određivanje otpornosti na kemijsku
koroziju pomoću vrućih kiselina, vrućih neutralnih tekućina,
lužnatih tekućina i/ili njihovih para (ISO 28706-2:2017;
EN ISO 28706-2:2017)
Vitreous and porcelain enamels – Determination of resistance
to chemical corrosion – Part 2: Determination of resistance
to chemical corrosion by boiling acids, boiling neutral liquids,
alkaline liquids and/or their vapours (ISO 28706-2:2017;
EN ISO 28706-2:2017)

HZN/TO 505, Prijenos i distribucija plina

HRN EN ISO 20519:2017 en pr
Ships and marine technology – Specification for bunkering
of liquefied natural gas fuelled vessels (ISO 20519:2017;
EN ISO 20519:2017)

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

HRI ISO/TR 29922:2017 en pr
Prirodni plin – Prateće informacije o izračunu fizikalnih
svojstava prema normi ISO 6976 (ISO/TR 29922:2017)
Natural gas – Supporting information on the calculation of
physical properties according to ISO 6976 (ISO/TR 29922:2017)

HZN/TO 508, Ambalaža i pakiranje

HRN EN 13592:2017 en pr
Plastične vreće za sakupljanje kućnog otpada – Tipovi,
zahtjevi i metode ispitivanja (EN 13592:2017)
Plastics sacks for household waste collection – Types,
requirements and test methods (EN 13592:2017)

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 12397:2017 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Pogonske
upute (EN 12397:2017)
Safety requirements for cableway installations designed to
carry persons – Operation (EN 12397:2017)

HRN EN 13796-2:2017 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila
– 2. dio: Ispitivanje steznog uređaja na proklizavanje
(EN 13796-2:2017)
Safety requirements for cableway installations designed to
carry persons – Carriers – Part 2: Slipping resistance tests for
grips (EN 13796-2:2017)

HRN EN 13796-3:2017 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila
– 3. dio: Ispitivanje zamora materijala (EN 13796-3:2017)
Safety requirements for cableway installations designed
to carry persons – Carriers – Part 3: Fatigue testing
(EN 13796-3:2017)

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 13865:2017 en pr
Površine sportskih terena – Određivanje ponašanja lopte pri
odskoku pod kutom – Tenis (EN 13865:2017)
Surfaces for sports areas – Determination of angled ball
behaviour – Tennis (EN 13865:2017)

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRN EN 14405:2017 en pr
Karakterizacija otpada – Ispitivanje ponašanja pri izluživanju
– Ispitivanje up-flow cijedenja (pod određenim uvjetima)
(EN 14405:2017)
Characterization of waste – Leaching behaviour test
– Up-flow percolation test (under specified conditions)
(EN 14405:2017)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 15005:2017 en pr
Cestovna vozila – Ergonomski aspekti prometnih podataka
i upravljačkih sustava – Načela vođenja dijaloga i postupci
provjere sukladnosti s tim načelima (ISO 15005:2017;
EN ISO 15005:2017)
Road vehicles – Ergonomic aspects of transportation and
control systems – Dialogue management principles and
compliance procedures (ISO 15005:2017; EN ISO 15005:2017)

HRN EN ISO 15008:2017 en pr
Cestovna vozila – Ergonomski aspekti prometnih podataka i
upravljačkih sustava – Specifikacije i ispitni postupci za vizualni
prikaz u vozilu (ISO 15008:2017; EN ISO 15008:2017)
Road vehicles – Ergonomic aspects of transport information
and control systems – Specifications and test procedures
for in-vehicle visual presentation (ISO 15008:2017;
EN ISO 15008:2017)

HZN/TO 528, Oprema za željeznice

HRN EN 14730-1:2017 en pr
Željeznički sustav – Željeznički gornji ustroj – Aluminotermijsko
zavarivanje tračnica – 1. dio: Odobravanje postupaka
zavarivanja (EN 14730-1:2017)
Railway applications – Track – Aluminothermic welding of rails
– Part 1: Approval of welding processes (EN 14730-1:2017)

HZN/TO 531, Plastika i guma

HRN EN 1762:2017 en pr
Gumena crijeva i crijevni uređaji za ukapljeni naftni plin, LPG
(kapljevita ili plinska faza), i prirodni plin do 25 bara (2,5 MPa)
– Specifikacija (EN 1762:2017)
Rubber hoses and hose assemblies for liquefied petroleum
gas, LPG (liquid or gaseous phase), and natural gas up to
25 bar (2,5 MPa) – Specification (EN 1762:2017)

HRN EN ISO 6803:2017 en pr
Gumena i plastična crijeva i crijevni uređaji – Vodeno-
tlačno impulsno ispitivanje bez savijanja (ISO 6803:2017;
EN ISO 6803:2017)
Rubber or plastics hoses and hose assemblies – Hydraulic-
pressure impulse test without flexing (ISO 6803:2017;
EN ISO 6803:2017)

HRN EN ISO 29664:2017 en pr
Plastika – Umjetno atmosfersko starenje s uključenim kiselim
taloženjem (ISO 29664:2010; EN ISO 29664:2017)
Plastics – Artificial weathering including acidic deposition
(ISO 29664:2010; EN ISO 29664:2017)

HZN/TO 532, Dimnjaci

HRN EN 16475-2:2017 en pr
Dimnjaci – Pribor – 2. dio: Ventilatori dimnjaka – Zahtjevi i
metode ispitivanja (EN 16475-2:2017)
Chimneys – Accessories – Part 2: Chimney fans – Requirements
and test methods (EN 16475-2:2017)

HRN EN 16497-2:2017 en pr
Dimnjaci – Sustavi dimnjaka od betona – 2. dio – Primjena kod
odzračnih sustava (EN 16497-2:2017)
Chimneys – Concrete System Chimneys – Part 2: Balanced
flue applications (EN 16497-2:2017)

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-17:2017 en pr
Bitumenske mješavine – Metode ispitivanja – 17. dio: Gubitak
zrnja na uzorcima poroznog asfalta (EN 12697-17:2017)
Bituminous mixtures – Test methods – Part 17: Particle loss of
porous asphalt specimen (EN 12697-17:2017)

HZN/TO 534, Spremnici za teret

HRN EN ISO 20421-2:2017 en pr
Kriogenične posude – Velike prijevozne posude izolirane
vakuumom – 2. dio: Pogonski zahtjevi (ISO 20421-2:2017;
EN ISO 20421-2:2017)
Cryogenic vessels – Large transportable vacuum-insulated
vessels – Part 2: Operational requirements (ISO 20421-2:2017;
EN ISO 20421-2:2017)

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

HRN EN 15681-2:2017 en pr
Staklo u graditeljstvu – Proizvodi od osnovnog aluminij
silikatnog stakla – 2. dio: Norma za proizvod (EN 15681-2:2017)
Glass in Building – Basic aluminosilicate glass products
– Part 2: Product standard (EN 15681-2:2017)

HZN/TO 546, Očuvanje kulturne baštine

HRN EN 16682:2017 en pr
Očuvanje kulturne baštine – Metode mjerenja sadržaja vlage
odnosno sadržaja vode u materijalima koji tvore nepokretnu
kulturnu baštinu (EN 16682:2017)
Conservation of cultural heritage – Methods of measurement
of moisture content, or water content, in materials constituting
immovable cultural heritage (EN 16682:2017)

HZN/TO 551, Gradnja

HRN EN 15651-1:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama
i pješačkim stazama – 1. dio: Brtvila za elemente pročelja
(EN 15651-1:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Part 1: Sealants for facade elements
(EN 15651-1:2017)

HRN EN 15651-2:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama
i pješačkim stazama – 2. dio: Brtvila za staklene stijene
(EN 15651-2:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Part 2: Sealants for glazing
(EN 15651-2:2017)

HRN EN 15651-3:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama
i pješačkim stazama – 3. dio: Brtvila za spojeve sanitarija
(EN 15651-3:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Part 3: Sealants for sanitary joints
(EN 15651-3:2017)

HRN EN 15651-4:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama
i pješačkim stazama – 4. dio: Brtvila za pješačke staze
(EN 15651-4:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Part 4: Sealants for pedestrian
walkways (EN 15651-4:2017)

HRN EN 15651-5:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i
pješačkim stazama – 5. dio: Ocjenjivanje i provjera stalnosti
svojstava, označavanje i obilježavanje (EN 15651-5:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Part 5: Assessment and verification
of constancy of performance, marking and labelling
(EN 15651-5:2017)

HRI CEN/TR 17068:2017 en pr
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i
pješačkim stazama – Smjernice za označavanje oznakom CE
i izjavu o svojstvima (CEN/TR 17068:2017)
Sealants for non-structural use in joints in buildings and
pedestrian walkways – Guidance for CE marking and
Declaration of Performance (DoP) (CEN/TR 17068:2017)

HZN/TO 553, Predgotovljeni proizvodi

HRN EN 12004-1:2017 en pr
Ljepila za keramičke pločice – 1. dio: Zahtjevi, ocjenjivanje
i provjera stalnosti svojstava, razredba i označavanje
(EN 12004-1:2017)
Adhesives for ceramic tiles – Part 1: Requirements,
assessment and verification of constancy of performance,
classification and marking (EN 12004-1:2017)

HRN EN 12004-2:2017 en pr
Ljepila za keramičke pločice – 2. dio: Metode ispitivanja
(EN 12004-2:2017)
Adhesives for ceramic tiles – Part 2: Test methods
(EN 12004-2:2017)

HRN EN 14891:2017 en pr
Vodonepropusni proizvodi u tekućem obliku za primjenu
ispod keramičkih pločica povezanih ljepilom – Zahtjevi,
metode ispitivanja, ocjenjivanje i provjera stalnosti svojstava,
razredba i označavanje (EN 14891:2017)
Liquid applied water impermeable products for use beneath
ceramic tiling bonded with adhesives – Requirements,
test methods, assessment and verification of constancy of
performance, classification and marking (EN 14891:2017)

HZN/TO 555, Medicinski proizvodi

HRN EN 868-2:2017 en pr
Ambalaža za završno sterilizirane medicinske proizvode
– 2. dio: Sterilizacija ogrtača – Zahtjevi i metode ispitivanja
(EN 868-2:2017)
Packaging for terminally sterilized medical devices – Part 2:
Sterilization wrap – Requirements and test methods
(EN 868-2:2017)

HRN EN 868-3:2017 en pr
Ambalaža za završno sterilizirane medicinske proizvode
– 3. dio: Papir za uporabu u proizvodnji papirnatih vreća
(određenih u EN 868-4) i u proizvodnji vrećica i rola (određenih
u EN 868-5) – Zahtjevi i metode ispitivanja (EN 868-3:2017)
Packaging for terminally sterilized medical devices – Part 3:
Paper for use in the manufacture of paper bags (specified
in EN 868-4) and in the manufacture of pouches and reels
(specified in EN 868-5) – Requirements and test methods
(EN 868-3:2017)

HRN EN 868-4:2017 en pr
Ambalaža za završno sterilizirane medicinske proizvode
– 4. dio: Papirnate vreće – Zahtjevi i metode ispitivanja
(EN 868-4:2017)
Packaging for terminally sterilized medical devices – Part 4:
Paper bags – Requirements and test methods (EN 868-4:2017)

HRN EN 868-6:2017 en pr
Ambalaža za završno sterilizirane medicinske proizvode
– 6. dio: Papir za niskotemperaturne sterilizacijske postupke
– Zahtjevi i metode ispitivanja (EN 868-6:2017)
Packaging for terminally sterilized medical devices – Part 6:
Paper for low temperature sterilization processes
– Requirements and test methods (EN 868-6:2017)

HRN EN 868-7:2017 en pr
Ambalaža za završno sterilizirane medicinske proizvode – 7. dio: Ljepilom premazan papir za niskotemperaturne postupke sterilizacije – Zahtjevi i metode ispitivanja (EN 868-7:2017)
Packaging for terminally sterilized medical devices – Part 7: Adhesive coated paper for low temperature sterilization processes – Requirements and test methods (EN 868-7:2017)

HRN EN 80369-5:2016/Ispr.1:2017 en pr
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 5. dio: Spojnici za primjenu s manšetama na napuhavanje za udove (IEC 80369-5:2016/Corr.1:2017; EN 80369-5:2016/AC:2017)
Small-bore connectors for liquids and gases in healthcare applications – Part 5: Connectors for limb cuff inflation applications (IEC 80369-5:2016/Corr.1:2017; EN 80369-5:2016/AC:2017)

HZN/TO 556, Osobna zaštitna oprema

HRN EN 207:2017 en pr
Osobna zaštitna oprema za oči – Filtri i sredstva za zaštitu očiju protiv laserskog zračenja (laserski štittnici za oči) (EN 207:2017)
Personal eye-protection equipment – Filters and eye-protectors against laser radiation (laser eye-protectors) (EN 207:2017)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 558:2017 en pr
Industrijski zaporni uređaji – Ugradbene mjere metalnih zapornih uređaja za primjenu u cijevnim sustavima s približnim spojevima – Zaporni uređaji s oznakama PN-a i razreda (EN 558:2017)
Industrial valves – Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems – PN and Class designated valves (EN 558:2017)

HRN EN ISO 28921-1:2017 en pr
Industrial valves – Isolating valves for low-temperature applications – Part 1: Design, manufacturing and production testing (ISO 28921-1:2013; EN ISO 28921-1:2017)

HRN EN ISO 28921-2:2017 en pr
Industrial valves – Isolating valves for low-temperature applications – Part 2: Type testing (ISO 28921-2:2015; EN ISO 28921-2:2017)

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 14362-1:2017 en pr
Tekstil – Metode za određivanje određenih aromatskih amina izdvojenih iz azo bojila – 1. dio: Dokazivanje uporabe određenih azo bojila koja su dostupna s ekstrakcijom vlakana i bez nje (ISO 14362-1:2017; EN ISO 14362-1:2017)
Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (ISO 14362-1:2017; EN ISO 14362-1:2017)

HRN EN ISO 14362-3:2017 en pr
Tekstil – Metode za određivanje određenih aromatskih amina izdvojenih iz azo bojila – 3. dio: Dokazivanje uporabe određenih azo bojila koja mogu otpustiti 4-aminoazobenzen (ISO 14362-3:2017; EN ISO 14362-3:2017)
Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 3: Detection of the use of certain azo colorants, which may release 4-aminoazobenzene (ISO 14362-3:2017; EN ISO 14362-3:2017)

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

HRN EN ISO 11114-1:2012/A1:2017 en pr
Plinske boce – Uskladivost materijala boce i ventila sa sadržanim plinom – 1. dio: Metalni materijali (ISO 11114-1:2012/Amd 1:2017; EN ISO 11114-1:2012/A1:2017)
Gas cylinders – Compatibility of cylinder and valve materials with gas contents – Part 1: Metallic materials (ISO 11114-1:2012/Amd 1:2017; EN ISO 11114-1:2012/A1:2017)

HRN EN 13480-5:2012/A2:2017 en pr
Metalni industrijski cjevovodi – 5. dio: Pregled i ispitivanje (EN 13480-5:2012/A2:2017)
Metallic industrial piping – Part 5: Inspection and testing (EN 13480-5:2012/A2:2017)

HRN EN 13807:2017 en pr
Prenosive plinske boce – Baterijska vozila i plinski kontejneri od više elemenata – Projektiranje, proizvodnja, označavanje i ispitivanje (EN 13807:2017)
Transportable gas cylinders – Battery vehicles and multiple-element gas containers (MEGCs) – Design, manufacture, identification and testing (EN 13807:2017)

HZN/TO 562, Alatni strojevi i alati

HRN EN ISO 6789-1:2017 en pr
Garnitura alata za vijke i matice – Ručni moment-ključevi – 1. dio: Zahtjevi i ispitne metode za ispitivanje konstrukcijske sukladnosti i sukladnosti kvalitete – Minimalni zahtjevi za kalibriranje i certifikaciju kalibriranja (ISO 6789-1:2017; EN ISO 6789-1:2017)
Assembly tools for screws and nuts – Hand torque tools – Part 1: Requirements and methods for design conformance testing and quality conformance testing: minimum requirements for declaration of conformance (ISO 6789-1:2017; EN ISO 6789-1:2017)

HRN EN ISO 6789-2:2017 en pr
Garnitura alata za vijke i matice – Ručni moment-ključevi – 2. dio: Zahtjevi za kalibriranje i određivanje mjerne nesigurnosti (ISO 6789-2:2017; EN ISO 6789-2:2017)
Assembly tools for screws and nuts – Hand torque tools – Part 2: Requirements for calibration and determination of measurement uncertainty (ISO 6789-2:2017; EN ISO 6789-2:2017)

HZN/TO 564, Uljarice, biljna i životinjska ulja i masti

HRN EN ISO 663:2017 en pr
Životinjske i biljne masti i ulja – Određivanje količine netopljivih nečistoća (ISO 663:2017; EN ISO 663:2017)
Animal and vegetable fats and oils – Determination of insoluble impurities content (ISO 663:2017; EN ISO 663:2017)

HRN EN ISO 3960:2017 en pr
Životinjske i biljne masti i ulja – Određivanje peroksidnog broja – Jodometrijsko određivanje točke završetka (ISO 3960:2017; EN ISO 3960:2017)
Animal and vegetable fats and oils – Determination of peroxide value – Iodometric (visual) endpoint determination (ISO 3960:2017; EN ISO 3960:2017)

HRN EN ISO 6320:2017 en pr
Životinjske i biljne masti i ulja – Određivanje indeksa refrakcije (ISO 6320:2017; EN ISO 6320:2017)
Animal and vegetable fats and oils – Determination of refractive index (ISO 6320:2017; EN ISO 6320:2017)

HRN EN ISO 6883:2017 en pr
Životinjske i biljne masti i ulja – Određivanje uobičajene obujamske mase ("težina jedne litre u zraku") (ISO 6883:2017; EN ISO 6883:2017)
Animal and vegetable fats and oils – Determination of conventional mass per volume (litre weight in air) (ISO 6883:2017; EN ISO 6883:2017)

HRN EN ISO 8534:2017 en pr
Životinjske i biljne masti i ulja – Određivanje količine vode – Karl Fischer metoda (bez piridina) (ISO 8534:2017; EN ISO 8534:2017)
Animal and vegetable fats and oils – Determination of water content – Karl Fischer method (pyridine free) (ISO 8534:2017; EN ISO 8534:2017)

HRN EN ISO 15774:2017 en pr
Životinjske i biljne masti i ulja – Određivanje količine kadmija izravnom grafitnom tehnikom atomske apsorpcijske spektrometrije (ISO 15774:2017; EN ISO 15774:2017)
Animal and vegetable fats and oils – Determination of cadmium content by direct graphite furnace atomic absorption spectrometry (ISO 15774:2017; EN ISO 15774:2017)

HZN/TO 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom

HRN EN ISO 6579-1:2017 en pr
Mikrobiologija u lancu hrane – Horizontalna metoda za dokazivanje prisutnosti, određivanje broja i serotipizaciju Salmonella – 1. dio: Dokazivanje prisutnosti Salmonella spp. (ISO 6579-1:2017; EN ISO 6579-1:2017)
Microbiology of the food chain – Horizontal method for the detection, enumeration and serotyping of Salmonella – Part 1: Detection of Salmonella spp. (ISO 6579-1:2017; EN ISO 6579-1:2017)

HRN EN ISO 18465:2017 en pr
Mikrobiologija u lancu hrane – Kvantitativno određivanje emetičkog toksina (cereulida) upotrebom LC-MS/MS (ISO 18465:2017; EN ISO 18465:2017)
Microbiology of the food chain – Quantitative determination of emetic toxin (cereulide) using LC-MS/MS (ISO 18465:2017; EN ISO 18465:2017)

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

HRN EN 566:2017 en pr
Planinarska oprema – Produžne petlje – Sigurnosni zahtjevi i metode ispitivanja (EN 566:2017)
Mountaineering equipment – Slings – Safety requirements and test methods (EN 566:2017)

HRN EN 958:2017 en pr
Planinarska oprema – Sustavi za ublažavanje pada pri penjanju osiguranim planinarskim stazama (via ferrata) – Sigurnosni zahtjevi i metode ispitivanja (EN 958:2017)
Mountaineering equipment – Energy absorbing systems for use in klettersteig (via ferrata) climbing – Safety requirements and test methods (EN 958:2017)

HRN EN 16716:2017 en pr
Planinarska oprema – Sustavi zračnih jastuka u slučaju lavina – Sigurnosni zahtjevi i metode ispitivanja (EN 16716:2017)
Mountaineering equipment – Avalanche Airbag systems – Safety requirements and test methods (EN 16716:2017)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50121-5:2017 en pr
Željeznički sustav – Elektromagnetska kompatibilnost – 5. dio: Emisija i otpornost stabilnih postrojenja i uređaja za napajanje (EN 50121-5:2017)
Railway applications – Electromagnetic compatibility – Part 5: Emission and immunity of fixed power supply installations and apparatus (EN 50121-5:2017)

HRN EN 50122-1:2011/A4:2017 en pr
Željeznički sustav – Stabilna postrojenja – Električna sigurnost, uzemljivanje i povratni krug – 1. dio: Zaštitne mjere protiv električnog udara (EN 50122-1:2011/A4:2017)
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock (EN 50122-1:2011/A4:2017)

HRN EN 50124-1:2017 en pr
Željeznički sustav – Usklađivanje izolacije – 1. dio: Osnovni zahtjevi – Zračni razmaci i pužne staze za svu električnu i elektroničku opremu (EN 50124-1:2017)
Railway applications – Insulation coordination – Part 1: Basic requirements – Clearances and creepage distances for all electrical and electronic equipment (EN 50124-1:2017)

HRN EN 50124-2:2017 en pr
Željeznički sustav – Usklađivanje izolacije – 2. dio: Prenaponi i odgovarajuća zaštita (EN 50124-2:2017)
Railway applications – Insulation coordination – Part 2: Overvoltages and related protection (EN 50124-2:2017)

HRN EN 50152-3-1:2017 en pr
Željeznički sustav – Stabilna postrojenja – Posebni zahtjevi za izmjenična rasklopna postrojenja – Dio 3-1: Mjerni, upravljački i zaštitni uređaji za posebnu uporabu u izmjeničnim sustavima vuče – Uređaji (EN 50152-3-1:2017)
Railway applications – Fixed installations – Particular requirements for a.c. switchgear – Part 3-1: Measurement, control and protection devices for specific use in a.c. traction systems – Devices (EN 50152-3-1:2017)

HZN/TO E11, Nadzemni vodovi

HRN EN 50341-2-13:2017 en pr
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-13: Nacionalni normativni aspekti (NNA) za Italiju (na temelju EN 50341-1:2012) (EN 50341-2-13:2017)
Overhead electrical lines exceeding AC 1 kV – Part 2-13: National Normative Aspects (NNA) for ITALY (based on EN 50341-1:2012) (EN 50341-2-13:2017)

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

HRN EN 62052-21:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 21. dio: Oprema za upravljanje tarifom i potrošnjom (IEC 62052-21:2004/am1:2016; EN 62052-21:2004/A1:2017)
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 21: Tariff and load control equipment (IEC 62052-21:2004/am1:2016; EN 62052-21:2004/A1:2017)

HRN EN 62053-11:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 11. dio: Elektromehanička brojila djelatne energije (razreda 0,5, 1 i 2) (IEC 62053-11:2003/am1:2016; EN 62053-11:2003/A1:2017)
Electricity metering equipment (a.c.) – Particular requirements – Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2) (IEC 62053-11:2003/am1:2016; EN 62053-11:2003/A1:2017)

HRN EN 62053-21:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 21. dio: Statička brojila djelatne energije (razreda 1 i 2) (IEC 62053-21:2003/am1:2016; EN 62053-21:2003/A1:2017)
Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2) (IEC 62053-21:2003/am1:2016; EN 62053-21:2003/A1:2017)

HRN EN 62053-22:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 22. dio: Statička brojila djelatne energije (razreda 0,2 S i 0,5 S) (IEC 62053-22:2003/am1:2016; EN 62053-22:2003/A1:2017)
Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S) (IEC 62053-22:2003/am1:2016; EN 62053-22:2003/A1:2017)

HRN EN 62054-11:2008/A1:2017 en pr
Mjerenje električne energije (izmjenična struja) – Upravljanje tarifom i potrošnjom – 11. dio: Posebni zahtjevi za elektroničke tonskofrekvencijske prijamnike za upravljanje (IEC 62054-11:2004/am1:2016; EN 62054-11:2004/A1:2017)
Electricity metering (a.c.) – Tariff and load control – Part 11: Particular requirements for electronic ripple control receivers (IEC 62054-11:2004/am1:2016; EN 62054-11:2004/A1:2017)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN EN 60674-2:2017 en pr
Specifikacija za plastične folije za elektrotehničke svrhe – 2. dio: Metode ispitivanja (IEC 60674-2:2016; EN 60674-2:2017)
Specification for plastic films for electrical purposes – Part 2: Methods of test (IEC 60674-2:2016; EN 60674-2:2017)

HRN EN 60684-3-247:2014/A1:2017 en pr
Savitljive izolacijske navlake – 3. dio: Specifikacije za pojedinačne tipove navlake – 247. list: Toplinski skupljajuće poliolefinске navlake s dvostrukom stijenkom, neotporne na gorenje, s debelim i srednjim stijenkama (IEC 60684-3-247:2011/am1:2016; EN 60684-3-247:2011/A1:2017)
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 247: Heat-shrinkable polyolefin sleeving, dual wall, not flame retarded, thick and medium wall (IEC 60684-3-247:2011/am1:2016; EN 60684-3-247:2011/A1:2017)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN 60947-5-5:2005/A2:2017 en pr
Niskonaponska sklopna aparatura – Dio 5-5: Aparati za upravljačke strujne krugove i sklopni elementi – Električni aparati za zaustavljanje u nevolji sa zaporom (IEC 60947-5-5:1997/am2:2016; EN 60947-5-5:1997/A2:2017)
Low-voltage switchgear and controlgear – Part 5-5: Control circuit devices and switching elements – Electrical emergency stop device with mechanical latching function (IEC 60947-5-5:1997/am2:2016; EN 60947-5-5:1997/A2:2017)

HZN/TO E22, Energetska elektronika

HRN EN 60700-1:2015/Ispr.1:2017 en pr
Tiristorski ventili za prijenos energije istosmjernom strujom visokog napona (HVDC) – 1. dio: Električno ispitivanje (IEC 60700-1:2015/Corr.1:2017; EN 60700-1:2015/AC:2017)
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing (IEC 60700-1:2015/Corr.1:2017; EN 60700-1:2015/AC:2017)

HRN EN 61975:2011/A1:2017 en pr
Instalacije istosmjernje struje visokog napona (HVDC) – Ispitivanja sustava (IEC 61975:2010/am1:2016; EN 61975:2010/A1:2017)
High-voltage direct current (HVDC) installations – System tests (IEC 61975:2010/am1:2016; EN 61975:2010/A1:2017)

HRN EN 62040-5-3:2017 en pr
Energetski sustavi neprekidnog napajanja (UPS) – Dio 5-3: Izlaz istosmjernje struje UPS-a – Izvedba i zahtjevi za ispitivanje (IEC 62040-5-3:2016; EN 62040-5-3:2017)
Uninterruptible power systems (UPS) – Part 5-3: d.c. output UPS – Performance and test requirements (IEC 62040-5-3:2016; EN 62040-5-3:2017)

HRN EN 62477-1:2013/A1:2017 en pr
Zahtjevi na sigurnost sustava elektroničkih energetskih pretvarača i opreme – 1. dio: Općenito (IEC 62477-1:2012/am1:2016; EN 62477-1:2012/A1:2017)
Safety requirements for power electronic converter systems and equipment – Part 1: General (IEC 62477-1:2012/am1:2016; EN 62477-1:2012/A1:2017)

HZN/TO E23, Električni instalacijski pribor

HRN EN 61995-2:2010/A1:2017 en pr
Naprave za priključak svjetiljki za kućanstvo i slične svrhe – 2. dio: Normni listovi za naprave za priključak svjetiljki (DCL) (IEC 61995-2:2009/am1:2016; EN 61995-2:2009/A1:2017)
Devices for the connection of luminaires for household and similar purposes – Part 2: Standard sheets for DCL (IEC 61995-2:2009/am1:2016; EN 61995-2:2009/A1:2017)

HZN/TO E31, Eksplozivne atmosfere

HRN EN 50402:2017 en pr
Električni uređaji za otkrivanje i mjerenje zapaljivih ili otrovnih plinova ili para, ili kisika – Zahtjevi na funkcijsku sigurnost sustava za otkrivanje plina (EN 50402:2017)
Electrical apparatus for the detection and measurement of combustible or toxic gases or vapours or of oxygen – Requirements on the functional safety of gas detection systems (EN 50402:2017)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 62922:2017 en pr
Paneli s organskim svjetlećim diodama (OLED) za opću rasvjetu – Izvedbeni zahtjevi (IEC 62922:2016; EN 62922:2017)
Organic light emitting diode (OLED) panels for general lighting – Performance requirements (IEC 62922:2016; EN 62922:2017)

HZN/TO E37, Odvodnici prenapona

HRN EN 61643-351:2017 en pr
Komponente za niskonaponsku prenaponsku zaštitu – 351. dio: Izvedbeni zahtjevi i metode ispitivanja za transformatore za izolaciju telekomunikacijskih i signalnih mreža od prenapona (SIT) (IEC 61643-351:2016; EN 61643-351:2017)
Components for low-voltage surge protective devices – Part 351: Performance requirements and test methods for telecommunications and signalling network surge isolation transformers (SIT) (IEC 61643-351:2016; EN 61643-351:2017)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN 62351-11:2017 en pr
Upravljanje energetskim sustavima i povezana razmjena podataka – Sigurnost podataka i komunikacija – 11. dio: Sigurnost za XML dokumente (IEC 62351-11:2016; EN 62351-11:2017)
Power systems management and associated information exchange – Data and communications security – Part 11: Security for XML documents (IEC 62351-11:2016; EN 62351-11:2017)

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

HRN HD 60364-5-551:2011/A11:2017 en pr
Niskonaponske električne instalacije – Dio 5-55: Odabir i ugradnja električne opreme – Druga oprema – 551. točka: Niskonaponski električni izvori (HD 60364-5-551:2010/A11:2016)
Low-voltage electrical installations – Part 5-55: Selection and erection of electrical equipment – Other equipment – Clause 551: Low-voltage generating sets (HD 60364-5-551:2010/A11:2016)

HRN HD 60364-6:2016/A11:2017 en pr
Niskonaponske električne instalacije – 6. dio: Provjeravanje (HD 60364-6:2016/A11:2017)
Low-voltage electrical installations – Part 6: Verification (HD 60364-6:2016/A11:2017)

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

HRN EN 61784-3-18:2012/A1:2017 en pr
Industrijske komunikacijske mreže – Profili – Dio 3-18: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 18 (IEC 61784-3-18:2011/am1:2016; EN 61784-3-18:2011/A1:2017)
Industrial communication networks – Profiles – Part 3-18: Functional safety fieldbuses – Additional specifications for CPF 18 (IEC 61784-3-18:2011/am1:2016; EN 61784-3-18:2011/A1:2017)

HRN EN 61987-15:2017 en pr
Mjerenje i vođenje industrijskih procesa – Strukture podataka i elemenata u katalogima procesne opreme – 15. dio: Popisi svojstava razine mjerne opreme za elektroničku razmjenu podataka (IEC 61987-15:2016; EN 61987-15:2017)
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 15: Lists of properties (LOPs) for level measuring equipment for electronic data exchange (IEC 61987-15:2016; EN 61987-15:2017)

HZN/TO E78, Rad pod naponom

HRN EN 60855-1:2017 en pr
Rad pod naponom – Izolacijske cijevi punjene pjenom i krute motke – 1. dio: Cijevi i motke kružnog presjeka (IEC 60855-1:2016; EN 60855-1:2017)
Live working – Insulating foam-filled tubes and solid rods – Part 1: Tubes and rods of a circular cross-section (IEC 60855-1:2016; EN 60855-1:2017)

HZN/TO E79, Alarmni sustavi

HRN EN 50131-5-3:2017 en pr
Alarmni sustavi – Protuprovalni sustavi – Dio 5-3: Zahtjevi za opremu za međusobno spajanje primjenom radiofrekvencijskih tehnika (EN 50131-5-3:2017)
Alarm systems – Intrusion systems – Part 5-3: Requirements for interconnections equipment using radio frequency techniques (EN 50131-5-3:2017)

HRN EN 50134-7:2017 en pr
Alarmni sustavi – Socijalni alarmni sustavi – 7. dio: Smjernice za primjenu (EN 50134-7:2017)
Alarm systems – Social alarm systems – Part 7: Application guidelines (EN 50134-7:2017)

HRN EN 60839-11-31:2017 en pr
Alarmni i elektronički sigurnosni sustavi – Dio 11-31: Elektronički sustavi kontrole ulaska – Bitni protokol interoperabilnosti baziran na web servisima (IEC 60839-11-31:2016; EN 60839-11-31:2017)
Alarm and electronic security systems – Part 11-31: Electronic access control systems – Core interoperability protocol based on Web services (IEC 60839-11-31:2016; EN 60839-11-31:2017)

HRN EN 60839-11-32:2017 en pr
Alarmni i elektronički sigurnosni sustavi – Dio 11-32: Elektronički sustavi kontrole ulaska – Nadgledanje kontrole pristupa bazirano na web servisima (IEC 60839-11-32:2016; EN 60839-11-32:2017)
Alarm and electronic security systems – Part 11-32: Electronic access control systems – Access control monitoring based on Web services (IEC 60839-11-32:2016; EN 60839-11-32:2017)

HZN/TO E88, Vjetroagregati

HRN EN 61400-25-4:2017 en pr
Sustavi za proizvodnju energije iz vjetra – Dio 25-4: Komunikacije za nadzor i upravljanje vjetroelektranama – Preslikavanje komunikacijskog profila (IEC 61400-25-4:2016; EN 61400-25-4:2017)
Wind energy generation systems – Part 25-4: Communications for monitoring and control of wind power plants – Mapping to communication profile (IEC 61400-25-4:2016; EN 61400-25-4:2017)

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

- HRN EN 50849:2017 en pr
Sound systems for emergency purposes (EN 50849:2017)
- HRN EN 63002:2017 en pr
Identification and communication interoperability method for external power supplies used with portable computing devices (TA 14) (IEC 63002:2016; EN 63002:2017)

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

- HRN EN 50332-3:2017 en pr
Oprema zvučnog sustava: Naglavne i ušne slušalice za osobne uređaje za reprodukciju glazbe – Metodologija mjerenja maksimalne razine zvučnog tlaka – 3. dio: Mjerna metoda upravljanja dozom zvuka (EN 50332-3:2017)
Sound system equipment: Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology – Part 3: measurement method for sound dose management (EN 50332-3:2017)
- HRN EN 60065:2015/A11:2017 en pr
Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi (EN 60065:2014/A11:2017)
Audio, video and similar electronic apparatus – Safety requirements (EN 60065:2014/A11:2017)
- HRN EN 62368-1:2014/A11:2017 en pr
Oprema audio/video, informacijske i komunikacijske tehnologije – Zahtjevi sigurnosti (EN 62368-1:2014/A11:2017)
Audio/video, information and communication technology equipment – Part 1: Safety requirements (EN 62368-1:2014/A11:2017)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

- HRN EN 55025:2017 en pr
Vozila, plovila i motori s unutarnjim izgaranjem – Značajke radio smetnja – Granične razine i metode mjerenja za zaštitu ugrađenih prijamnika (CISPR 25:2016; EN 55025:2017)
Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers (CISPR 25:2016; EN 55025:2017)
- HRN EN 61000-4-10:2017 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-10: Ispitne i mjerne tehnike – Ispitivanje otpornosti na magnetsko polje s prigušenim titranjem (IEC 61000-4-10:2016; EN 61000-4-10:2017)
Electromagnetic Compatibility (EMC) – Part 4-10: Testing and measurement techniques – Damped oscillatory magnetic field immunity test (IEC 61000-4-10:2016; EN 61000-4-10:2017)
- HRN EN 61000-4-31:2017 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-31: Ispitne i mjerne tehnike – Ispitivanje širokopojasne vodljive smetnje na priključcima mreže izmjenične struje (AC) (IEC 61000-4-31:2016; EN 61000-4-31:2017)
Electromagnetic Compatibility (EMC) – Part 4-31: Testing and measurement techniques – AC mains ports broadband conducted disturbance immunity test (IEC 61000-4-31:2016; EN 61000-4-31:2017)

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

- HRN EN 50600-4-2:2017/Ispr.1:2017 en pr
Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness (EN 50600-4-2:2016/AC:2017)

HZN/TO T4, Normizacija u telekomunikacijama

- HRN EN 300 220-1 V3.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) u uporabi u frekvencijskome području od 25 MHz do 1 000 MHz – 1. dio: Tehničke značajke i metode ispitivanja (EN 300 220-1 V3.1.1:2017)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz – Part 1: Technical characteristics and methods of measurement (EN 300 220-1 V3.1.1:2017)

- HRN EN 300 220-2 V3.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) u uporabi u frekvencijskome području od 25 MHz do 1 000 MHz – 2. dio: Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU za neodređenu radijsku opremu (EN 300 220-2 V3.1.1:2017)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz – Part 2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU for non specific radio equipment (EN 300 220-2 V3.1.1:2017)

- HRN EN 300 220-3-2 V1.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) u uporabi u frekvencijskome području od 25 MHz do 1 000 MHz – Dio 3-2: Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – Bežični alarmi koji rade u namijenjenim LDC/HR frekvencijskim pojasi od 868,60 MHz do 868,70 MHz, od 869,25 MHz do 869,40 MHz, od 869,65 MHz do 869,70 MHz (EN 300 220-3-2 V1.1.1:2017)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz – Part 3-2: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Wireless alarms operating in designated LDC/HR frequency bands 868,60 MHz to 868,70 MHz, 869,25 MHz to 869,40 MHz, 869,65 MHz to 869,70 MHz (EN 300 220-3-2 V1.1.1:2017)

- HRN EN 300 220-4 V1.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) u uporabi u frekvencijskome području od 25 MHz do 1 000 MHz – 4. dio: Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – Mjerni uređaji koji rade u namijenjenom pojasu od 169,400 MHz do 169,475 MHz (EN 300 220-4 V1.1.1:2017)
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz – Part 4: Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Metering devices operating in designated band 169,400 MHz to 169,475 MHz (EN 300 220-4 V1.1.1:2017)

- HRN EN 300 330 V2.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) – Radijska oprema u frekvencijskom području od 9 kHz do 25 MHz i sustavima s indukcijskom petljom u frekvencijskom području od 9 kHz do 30 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 300 330 V2.1.1:2017)
Short Range Devices (SRD) – Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 300 330 V2.1.1:2017)

- HRN EN 300 338-1 V1.4.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 1. dio: Opći zahtjevi (EN 300 338-1 V1.4.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 1: Common requirements (EN 300 338-1 V1.4.1:2017)

- HRN EN 300 338-2 V1.4.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 2. dio: Klasa A/B DSC (EN 300 338-2 V1.4.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 2: Class A/B DSC (EN 300 338-2 V1.4.1:2017)

- HRN EN 300 338-3 V1.2.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 3. dio: Klasa D DSC (EN 300 338-3 V1.2.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 3: Class D DSC (EN 300 338-3 V1.2.1:2017)

- HRN EN 300 338-4 V1.2.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 4. dio: Klasa E DSC (EN 300 338-4 V1.2.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 4: Class E DSC (EN 300 338-4 V1.2.1:2017)
- HRN EN 300 338-5 V1.2.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 5. dio: Ručni VHF klase H DSC (EN 300 338-5 V1.2.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 5: Handheld VHF Class H DSC (EN 300 338-5 V1.2.1:2017)
- HRN EN 300 338-6 V1.1.1:2017 en pr
Tehničke značajke i metode mjerenja opreme za generiranje, odašiljanje i prijam digitalnog selektivnog poziva (DSC) u pomorskoj MF, MF/HF i/ili VHF pokretnoj službi – 6. dio: Klasa M DSC (EN 300 338-6 V1.1.1:2017)
Technical characteristics and methods of measurement for equipment for generation, transmission and reception of Digital Selective Calling (DSC) in the maritime MF, MF/HF and/or VHF mobile service – Part 6: Class M DSC (EN 300 338-6 V1.1.1:2017)
- HRN EN 300 392-7 V3.4.1:2017 en pr
Digitalni radiokomunikacijski sustav (TETRA) – Govor i podaci (V+D) – 7. dio: Sigurnost (EN 300 392-7 V3.4.1:2017)
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 7: Security (EN 300 392-7 V3.4.1:2017)
- HRN EN 300 422-3 V2.1.1:2017 en pr
Bežični mikrofoni – Audio PMSE do 3 GHz – 3. dio: Prijamnici klase C – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 300 422-3 V2.1.1:2017)
Wireless Microphones – Audio PMSE up to 3 GHz – Part 3: Class C Receivers – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU (EN 300 422-3 V2.1.1:2017)
- HRN EN 301 091-1 V2.1.1:2017 en pr
Uređaji kratkoga dometa – Cestovni prijevoz i prometna telematika (TTT) – Radarski uređaji koji rade u području od 76 GHz do 77 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 1. dio: Zemaljski radar smješten na vozilu (EN 301 091-1 V2.1.1:2017)
Short Range Devices – Transport and Traffic Telematics (TTT) – Radar equipment operating in the 76 GHz to 77 GHz range – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 1: Ground based vehicular radar (EN 301 091-1 V2.1.1:2017)
- HRN EN 301 091-2 V2.1.1:2017 en pr
Uređaji kratkoga dometa – Cestovni prijevoz i prometna telematika (TTT) – Radarski uređaji koji rade u području od 76 GHz do 77 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 2. dio: Fiksna infrastrukturna radarska oprema (EN 301 091-2 V2.1.1:2017)
Short Range Devices – Transport and Traffic Telematics (TTT) – Radar equipment operating in the 76 GHz to 77 GHz range – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 2: Fixed infrastructure radar equipment (EN 301 091-2 V2.1.1:2017)
- HRN EN 301 489-1 V2.1.1:2017 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 1. dio: Opći tehnički zahtjevi – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU i bitne zahtjeve iz članka 6 Direktive 2014/30/EU (EN 301 489-1 V2.1.1:2017)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 1: Common technical requirements – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU and the essential requirements of article 6 of the Directive 2014/30/EU (EN 301 489-1 V2.1.1:2017)
- HRN EN 301 489-4 V3.1.1:2017 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 4. dio: Posebni uvjeti za fiksne radijske veze i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-4 V3.1.1:2017)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU (EN 301 489-4 V3.1.1:2017)
- HRN EN 301 489-17 V3.1.1:2017 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 17. dio: Posebni uvjeti za sustave širokopojasnog prijenosa podataka – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-17 V3.1.1:2017)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband Data Transmission Systems – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU (EN 301 489-17 V3.1.1:2017)
- HRN EN 301 489-33 V2.1.1:2017 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 33. dio: Posebni uvjeti za komunikacijske uređaje ultra širokog pojasa (UWB) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-33 V2.1.1:2017)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 33: Specific conditions for Ultra-WideBand (UWB) devices – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU (EN 301 489-33 V2.1.1:2017)
- HRN EN 301 489-50 V2.1.1:2017 en pr
Norma za elektromagnetsku kompatibilnost radijske opreme i službe – 50. dio: Posebni uvjeti za bazne postaje (BS) celularnih komunikacija (BS), repetitor i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU (EN 301 489-50 V2.1.1:2017)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of the Directive 2014/53/EU (EN 301 489-50 V2.1.1:2017)
- HRN EN 302 066 V2.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) – Radarski sustavi za prikaz odraza od zemlje i od krute prepreke (GPR/WPR) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 066 V2.1.1:2017)
Short Range Devices (SRD) – Ground- and Wall- Probing Radar applications (GPR/WPR) imaging systems – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 066 V2.1.1:2017)
- HRN EN 302 194 V2.1.1:2017 en pr
Navigacijski radar koji se upotrebljava na unutarnjim vodenim putovima – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 194 V2.1.1:2017)
Navigation radar used on inland waterways – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 194 V2.1.1:2017)
- HRN EN 302 510 V2.1.1:2017 en pr
Uređaji kratkoga dometa (SRD) – Radijska oprema u frekvencijskom području 30 MHz do 37,5 MHz za aktivne medicinske membranske implantate i pribor ultra male snage – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 510 V2.1.1:2017)
Short Range Devices (SRD) – Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P) operating in the frequency range 30 MHz to 37,5 MHz – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU (EN 302 510 V2.1.1:2017)
- HRN EN 302 571 V2.1.1:2017 en pr
Inteligentni prometni sustavi (ITS) – Radiokomunikacijska oprema koja radi u frekvencijskom pojasu 5 855 MHz do 5 925 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU (EN 302 571 V2.1.1:2017)
Intelligent Transport Systems (ITS) – Radiocommunications equipment operating in the 5 855 MHz to 5 925 MHz frequency band – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU (EN 302 571 V2.1.1:2017)

HZN/TO Z1, Informacijska tehnologija

HRN ISO/IEC 7480:2017 en pr
Informacijska tehnologija – Telekomunikacije i razmjena informacija između sustava – Kvaliteta signala start-stop prijenosa na DTE/DCE sučeljima (ISO/IEC 7480:1991)
Information technology – Telecommunications and information exchange between systems – Start-stop transmission signal quality at DTE/DCE interfaces (ISO/IEC 7480:1991)

HRN EN ISO/IEC 27000:2017 en pr
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Pregled i rječnik (ISO/IEC 27000:2016; EN ISO/IEC 27000:2017)
Information technology – Security techniques – Information security management systems – Overview and vocabulary (ISO/IEC 27000:2016; EN ISO/IEC 27000:2017)

HRN EN ISO/IEC 27001:2017 en pr
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Zahtjevi (ISO/IEC 27001:2013 uključujući Ispravak 1:2014 i Ispravak 2:2015; EN ISO/IEC 27001:2017)
Information technology – Security techniques – Information security management systems – Requirements (ISO/IEC 27001:2013 including Cor 1:2014 and Cor 2:2015; EN ISO/IEC 27001:2017)

HRN EN ISO/IEC 27002:2017 en pr
Informacijska tehnologija – Sigurnosne tehnike – Kodeksi postupaka za upravljanje informacijskom sigurnošću (ISO/IEC 27002:2013 uključujući Ispravak 1:2014 i Ispravak 2:2015; EN ISO/IEC 27002:2017)
Information technology – Security techniques – Code of practice for information security controls (ISO/IEC 27002:2013 including Cor 1:2014 and Cor 2:2015; EN ISO/IEC 27002:2017)

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

HRN EN 16927:2017 en pr
Mali bazeni – Posebni zahtjevi, uključujući sigurnost i metode ispitivanja (EN 16927:2017)
Mini pools – Specific requirements including safety and test methods for mini pools (EN 16927:2017)

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

HRN EN 16640:2017 en pr
Proizvodi na biološkoj osnovi – Sadržaj ugljika biološkog podrijetla – Određivanje količine ugljika biološkog podrijetla upotrebom metode radioaktivnog ugljika (EN 16640:2017)
Bio-based products – Bio-based carbon content – Determination of the bio-based carbon content using the radiocarbon method (EN 16640:2017)

HRN EN 16845-1:2017 en pr
Fotokatalizatori – Mjerenje sposobnosti materijala s obzirom na sprečavanje onečišćenja pomoću adsorbiranih organskih tvari u dodiru krutih tvari – 1. dio: Boje na poroznim površinama (EN 16845-1:2017)
Photocatalysis – Anti-soiling chemical activity using adsorbed organics under solid/solid conditions – Part 1: Dyes on porous surfaces (EN 16845-1:2017)

HRN EN 16846-1:2017 en pr
Fotokatalizatori – Mjerenje djelotvornosti fotokatalizatorskih uređaja u aktivnom modusu koji se upotrebljavaju za uklanjanje hlapljivih organskih spojeva i mirisa u zraku u zatvorenom prostoru – 1. dio: Metoda ispitivanja u serijskom načinu sa zatvorenim komorom (EN 16846-1:2017)
Photocatalysis – Measurement of efficiency of photocatalytic devices used for the elimination of VOC and odour in indoor air in active mode – Part 1: Batch mode test method with a closed chamber (EN 16846-1:2017)

HRN EN ISO/ASTM 52900:2017 en pr
Proizvodnja aditiva – Opća načela – Nazivlje (ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017)
Additive manufacturing – General principles – Terminology (ISO/ASTM 52900:2015; EN ISO/ASTM 52900:2017)

HRN EN ISO/ASTM 52915:2017 en pr
Specifikacija formata datoteke za proizvodnju aditiva (AMF), verzija 1.2 (ISO/ASTM 52915:2016; EN ISO/ASTM 52915:2017)
Specification for additive manufacturing file format (AMF) Version 1.2 (ISO/ASTM 52915:2016; EN ISO/ASTM 52915:2017)

HZN/TU I2, Strojarstvo 2

HRN EN ISO 703:2017 en pr
Transportne trake – Poprečna savitljivost – Metoda ispitivanja (ISO 703:2017; EN ISO 703:2017)
Conveyor belts – Transverse flexibility (troughability) – Test method (ISO 703:2017; EN ISO 703:2017)

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

HRN EN ISO 1135-3:2017 en pr
Oprema za transfuziju za medicinsku primjenu – 3. dio: Setovi za uzimanje krvi za jednokratnu upotrebu (ISO 1135-3:2016; EN ISO 1135-3:2017)
Transfusion equipment for medical use – Part 3: Blood-taking sets for single use (ISO 1135-3:2016; EN ISO 1135-3:2017)

HRN EN ISO 7198:2017 en pr
Kardiovaskularni implantati i ekstrakorporalni sustavi – Vaskularne proteze – Vaskularni presadci u obliku cjevčice i vaskularne zakrpe (ISO 7198:2016; EN ISO 7198:2017)
Cardiovascular implants and extracorporeal systems – Vascular Prostheses – Tubular vascular grafts and vascular patches (ISO 7198:2016; EN ISO 7198:2017)

HRN EN ISO 25539-1:2017 en pr
Kardiovaskularni implantati – Endovaskularna sredstva – 1. dio: Endovaskularne proteze (ISO 25539-1:2017; EN ISO 25539-1:2017)
Cardiovascular implants – Endovascular devices – Part 1: Endovascular prostheses (ISO 25539-1:2017; EN ISO 25539-1:2017)

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

HRN EN 2033:2017 en pr
Zrakoplovstvo – Čelične trake, hladno valjane, debljine 0,1 mm ≤ a ≤ 2,5 mm – Dimenzije (EN 2033:2017)
Aerospace series – Strips, cold rolled in steel, Thickness 0,1 mm ≤ a ≤ 2,5 mm – Dimensions (EN 2033:2017)

HRN EN 2589:2017 en pr
Zrakoplovstvo – Čelik – Lim i traka, hladno valjano – Debljina 0,1 mm ≤ a ≤ 3 mm – Dimenzije (EN 2589:2017)
Aerospace series – Steel – Sheet and strip, cold rolled – Thickness 0,1 mm ≤ a ≤ 3 mm – Dimensions (EN 2589:2017)

HRN EN 2590:2017 en pr
Zrakoplovstvo – Čelik – Limovi i ploče, toplo valjano – Dimenzije (EN 2590:2017)
Aerospace series – Steel – Sheets and plates, hot rolled – Dimensions (EN 2590:2017)

HRN EN 2823:2017 en pr
Zrakoplovstvo – Plastika ojačana vlaknima – Određivanje učinka izlaganja vlažnoj atmosferi na fizičke i mehaničke značajke (EN 2823:2017)
Aerospace series – Fibre reinforced plastics – Determination of the effect of exposure to humid atmosphere on physical and mechanical characteristics (EN 2823:2017)

HRN EN 3646-005:2017 en pr
Zrakoplovstvo – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C ili 200 °C – Dio 005: Utičnica, hermetička, s kvadratnom prirubnicom za montažu – Norma za proizvod (EN 3646-005:2017)
Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 005: Receptacle, hermetic, square flange mounting – Product standard (EN 3646-005:2017)

HRN EN 3745-510:2017 en pr
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 510. dio: Ispitivanje savijanjem (EN 3745-510:2017)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 510: Bending test (EN 3745-510:2017)

HRN EN 3903:2017 en pr
Zrakoplovstvo – Laminirane podloške, od čelika otpornog na koroziju (EN 3903:2017)
Aerospace series – Washers, laminated, in corrosion resisting steel (EN 3903:2017)

HRN EN 4008-003:2017 en pr
Zrakoplovstvo – Elementi električne i optičke veze – Alati za krimpavanje i pripadajuća oprema – Dio 003: Utvrđivač položaja alata za za krimpavanje M22520/2-01 – Norma za proizvod (EN 4008-003:2017)
Aerospace series – Elements of electrical and optical connection – Crimping tools and associated accessories – Part 003: Positioner for crimping tool M22520/2-01 – Product standard (EN 4008-003:2017)

HRN EN 4165-024:2017 en pr
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 024: Samostalni modul utikač – Norma za proizvod (EN 4165-024:2017)
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard (EN 4165-024:2017)

HRN EN 4165-025:2017 en pr
Zrakoplovstvo – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – Dio 025: Modul utičnica – Norma za proizvod (EN 4165-025:2017)
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 025: Single module receptacle – Product standard (EN 4165-025:2017)

HRN EN 4604-009:2017 en pr
Zrakoplovstvo – Kabel, električni, za prijenos signala – Dio 009: Kabel, koaksijalni, lagani, 50 Oma, 180 °C, tip KW (lagani WN) – Norma za proizvod (EN 4604-009:2017)
Aerospace series – Cable, electrical, for signal transmission – Part 009: Cable, coaxial, light weight, 50 ohms, 180 °C, type KW (light WN) – Product standard (EN 4604-009:2017)

HRN EN 4604-010:2017 en pr
Zrakoplovstvo – Kabel, električni, za prijenos signala – Dio 010: Kabel, koaksijalni, lagani, 50 Oma, 200 °C, tip KX (lagani WD) – Norma za proizvod (EN 4604-010:2017)
Aerospace series – Cable, electrical, for signal transmission – Part 010 : Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) – Product standard (EN 4604-010:2017)

HRN EN 4708-101:2017 en pr
Zrakoplovstvo – Navlake, koje se sužavaju prilikom izlaganja toplini, za omotavanje, izolaciju i označavanje – 101. dio: Poliolefinske navlake – Radne temperature od -55 °C do 135 °C – Norma za proizvod (EN 4708-101:2017)
Aerospace series – Sleeving, heat-shrinkable, for binding, insulation and identification – Part 101: Polyolefin sleeving – Operating temperatures -55 °C to 135 °C – Product standard (EN 4708-101:2017)

HRN EN 4827:2017 en pr
Zrakoplovstvo – Anodizacija aluminija i aluminijevih legura bez šesterovalentnog kroma (EN 4827:2017)
Aerospace series – Hexavalent chromium free anodizing of aluminium and aluminium alloys (EN 4827:2017)

HRN EN 9132:2017 en pr
Zrakoplovstvo – Sustavi upravljanja kvalitetom – Zahtjevi za kvalitetom Datamatrix koda koji se primjenjuje kod oznake dijelova (EN 9132:2017)
Aerospace series – Quality management systems – Data Matrix Quality Requirements for Parts Marking (EN 9132:2017)

HRN EN 15918:2017 en pr
Bicikli – Prikolice za bicikle – Sigurnosni zahtjevi i metode ispitivanja (EN 15918:2011+A2:2017)
Cycles – Cycle trailers – Safety requirements and test methods (EN 15918:2011+A2:2017)

HRN EN 16602-10:2017 en pr
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Upravljanje osiguranjem kvalitete proizvoda (EN 16602-10:2017)
Space product assurance – Product assurance management (EN 16602-10:2017)

HRN EN 16603-50-05:2014/Ispr.1:2017 en pr
Svemirsko inženjstvo – Radio frekvencija i modulacija (EN 16603-50-05:2014/AC:2017)
Space engineering – Radio frequency and modulation (EN 16603-50-05:2014/AC:2017)

HZN/TU U1, Opća elektrotehnika 1

HRN EN 60404-15:2013/A1:2017 en pr
Magnetski materijali – 15. dio: Metode za određivanje relativne magnetske permeabilnosti slabo otpornih magnetskih materijala (IEC 60404-15:2012/am1:2016; EN 60404-15:2012/A1:2017)
Magnetic materials – Part 15: Methods for the determination of the relative magnetic permeability of feebly magnetic materials (IEC 60404-15:2012/am1:2016; EN 60404-15:2012/A1:2017)

HRN EN 60695-1-10:2017 en pr
Ispitivanje opasnosti od požara – Dio 1-10: Upute za procjenu opasnosti od požara za elektrotehničke proizvode – Opće smjernice (IEC 60695-1-10:2016; EN 60695-1-10:2017)
Fire hazard testing – Part 1-10: Guidance for assessing the fire hazard of electrotechnical products – General guidelines (IEC 60695-1-10:2016; EN 60695-1-10:2017)

HRN EN 60695-8-1:2017 en pr
Ispitivanje opasnosti od požara – Dio 8-1: Emitiranje topline – Opće upute (IEC 60695-8-1:2016; EN 60695-8-1:2017)
Fire hazard testing – Part 8-1: Heat release – General guidance (IEC 60695-8-1:2016; EN 60695-8-1:2017)

HRN EN 60695-8-2:2017 en pr
Ispitivanje opasnosti od požara – Dio 8-1: Emitiranje topline – Sažetak i relevantnost ispitnih metoda (IEC 60695-8-2:2016; EN 60695-8-2:2017)
Fire hazard testing – Part 8-2: Heat release – Summary and relevance of test methods (IEC 60695-8-2:2016; EN 60695-8-2:2017)

HZN/TU V1, Elektronika 1

HRN EN 50289-1-1:2017 en pr
Communication cables – Specifications for test methods – Part 1-1: Electrical test methods – General requirements (EN 50289-1-1:2017)

HRN EN 50289-1-8:2017 en pr
Communication cables – Specifications for test methods – Part 1-8: Electrical test methods – Attenuation (EN 50289-1-8:2017)

HRN EN 50289-1-9:2017 en pr
Communication cables – Specifications for test methods – Part 1-9: Electrical test methods – Unbalance attenuation (transverse conversion loss TCL transverse conversion transfer loss TCTL) (EN 50289-1-9:2017)

HRN EN 60153-1:2016/Ispr.1:2017 en pr
Hollow metallic waveguides – Part 1: General requirements and measuring methods (EN 60153-1:2016/AC:2017)

HRN EN 60153-2:2016/Ispr.1:2017 en pr
Hollow metallic waveguides – Part 2: Relevant specifications for ordinary rectangular waveguides (EN 60153-2:2016/AC:2017) +

HRN EN 60205:2017 en pr
Calculation of the effective parameters of magnetic piece parts (IEC 60205:2016; EN 60205:2017)

HRN EN 60794-2-22:2017 en pr
Optical fibre cables – Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables to be terminated with connectors (IEC 60794-2-22:2016; EN 60794-2-22:2017)

HRN EN 60966-2-5:2017 en pr
Radio frequency and coaxial cable assemblies – Part 2-5: Detail specification for cable assemblies for radio and TV receivers – Frequency range 0 MHz to 1 000 MHz, IEC 61169-2 connectors (IEC 60966-2-5:2016; EN 60966-2-5:2017)

HRN EN 60966-2-6:2017 en pr
Radio frequency and coaxial cable assemblies – Part 2-6: Detail specification for cable assemblies for radio and TV receivers – Frequency range 0 MHz to 3 000 MHz, IEC 61169-24 connectors (IEC 60966-2-6:2016; EN 60966-2-6:2017)

HRN EN 61010-2-101:2017 en pr
Sigurnosni zahtjevi za mjernu, upravljačku i laboratorijsku električnu opremu – Dio 2-101: Posebni zahtjevi za in vitro dijagnostičku (IVD) medicinsku opremu (IEC 61010-2-101:2015; EN 61010-2-101:2017)
Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment (IEC 61010-2-101:2015; EN 61010-2-101:2017)

HRN EN 61215-2:2017 en pr
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 2: Test procedures (IEC 61215-2:2016; EN 61215-2:2017)

HRN EN 61332:2017 en pr
Soft ferrite material classification (IEC 61332:2016; EN 61332:2017)

HRN EN 61340-4-7:2017 en pr
Electrostatics – Part 4-7: Standard test methods for specific applications – Ionization (IEC 61340-4-7:2017; EN 61340-4-7:2017)

HRN EN 61757-1-1:2017 en pr
Fibre optic sensors – Part 2-1: Strain measurement – Strain sensors based on fibre Bragg gratings (IEC 61757-1-1:2016; EN 61757-1-1:2017)

HRN EN 140401-802:2009/A3:2017 en pr
Iscrpna specifikacija: Nepromjenljivi tankoslojni otpornici male snage za površinsku montažu (SMD) – Pravokutni – Razredi postojanosti 1, 2 (EN 140401-802:2007/A3:2017)
Detail specification: Fixed low power film SMD resistors – Rectangular – Stability classes 1, 2 (EN 140401-802:2007/A3:2017)

HRN EN 140401-803:2009/A3:2017 en pr
Detail specification: Fixed low power film SMD resistors – Cylindrical – Stability classes 0,05; 0,1; 0,25; 0,5; 1; 2 (EN 140401-803:2007/A3:2017)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN 50593:2017 en pr
Električne perilice posuđa za komercijalnu uporabu – Ispitne metode za mjerenje radnih svojstava (EN 50593:2017)
Electric dishwashers for commercial use – Test methods for measuring the performance (EN 50593:2017)

HRN EN 60127-5:2017 en pr
Minijaturni osigurači – 5. dio: Smjernice za procjenu kakvoće minijaturnih rastalnih uložaka (IEC 60127-5:2016; EN 60127-5:2017)
Miniature fuses – Part 5: Guidelines for quality assessment of miniature fuse-links (IEC 60127-5:2016; EN 60127-5:2017)

HRN EN 60312-1:2017 en pr
Usisivači prašine za kućansku uporabu – 1. dio: Suhi vakumski čistači – Metode za mjerenje radnih značajka (IEC 60312-1:2010, MOD+am1:2011, MOD; EN 60312-1:2017)
Vacuum cleaners for household use – Part 1: Dry vacuum cleaners – Methods for measuring the performance (IEC 60312-1:2010, MOD+am1:2011, MOD; EN 60312-1:2017)

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 6, Papir, karton i pulpe

prEN 646 en
Paper and board intended to come into contact with foodstuffs – Determination of colour fastness of dyed paper and board
Papir i karton koji dolaze u kontakt s prehrambenim proizvodima – Određivanje postojanosti boje obojenog papira i kartona

prEN 648 en
Paper and board intended to come into contact with foodstuffs – Determination of the fastness of fluorescent whitened paper and board
Papir i karton koji dolaze u kontakt s prehrambenim proizvodima – Određivanje postojanosti papira i kartona bijeljenih fluorescentnim optičkim bjelilima

HZN/TO 8, Brodogradnja

FprEN ISO 8665 en
Small craft – Marine propulsion reciprocating internal combustion engines – Power measurements and declarations (ISO 8665:2006)
Mala plovila – Brodski porivni motori i sustavi – Mjerenje snage i deklariranje (ISO 8665:2006)

FprEN ISO 8847 en
Small craft – Steering gear – Cable and pulley systems (ISO 8847:2004)
Mala plovila – Kormilarski uređaj – Sustavi užadi i užnica (ISO 8847:2004)

FprEN ISO 9097 en
Small craft – Electric fans (ISO 9097:1991)
Mala plovila – Električni ventilatori (ISO 9097:1991)

FprEN ISO 10088 en
Small craft – Permanently installed fuel systems (ISO 10088:2013)
Mala plovila – Trajno ugrađeni sustavi goriva (ISO 10088:2013)

FprEN ISO 10133 en
Small craft – Electrical systems – Extra-low-voltage d.c. installations (ISO 10133:2012)
Mala plovila – Električni sustavi – Instalacije za iznimno mali istosmjerni napon (ISO 10133:2012)

prEN ISO 18422 en
Ships and marine technology – Inland navigation vessels – Plate with instructions for rescue, resuscitation and first aid for drowning persons (ISO 18422:2014)

HZN/TO 23, Traktori i strojevi za poljoprivredu i šumarstvo

prEN 12965 en
Tractors and machinery for agriculture and forestry – Power take-off (PTO) drive shafts and their guards – Safety
Traktori i poljoprivredna i šumarska mehanizacija – Štitnici vratila za prijenos snage s traktora na strojeve i oruđa – Sigurnost

prEN 16517 en
Agricultural and forestry machinery – Mobile yarders for timber logging – Safety

HZN/TO 35, Boje i lakovi

prEN ISO 787-1 en
General methods of test for pigments and extenders – Part 1: Comparison of colour of pigments (ISO 787-1:1982)

prEN ISO 787-4 en
General methods of test for pigments and extenders – Part 4: Determination of acidity or alkalinity of the aqueous extract (ISO 787-4:1981)

prEN ISO 787-17 en
General methods of test for pigments and extenders – Part 17: Comparison of lightening power of white pigments (ISO 787-17:2002)

prEN ISO 787-21 en
General methods of test for pigments and extenders – Part 21: Comparison of heat stability of pigments using a stoving medium (ISO 787-21:1979)

prEN ISO 787-22 en
General methods of test for pigments and extenders – Part 22: Comparison of resistance to bleeding of pigments (ISO 787-22:1980)

prEN ISO 18451-1 en
Pigments, dyestuffs and extenders – Terminology – Part 1: General terms (ISO 18451-1:2015)

prEN ISO 18451-2 en
Pigments, dyestuffs and extenders – Terminology – Part 2: Classification of colouring materials according to colouristic and chemical aspects (ISO 18451-2:2015)

HZN/TO 44, Zavarivanje i srodni postupci

prEN ISO 2553 en
Welding and allied processes – Symbolic representation on drawings – Welded joints (ISO/DIS 2553:2017)
Zavarivanje i srodni postupci – Simboličko prikazivanje na crtežima – Zavareni spojevi (ISO/DIS 2553:2017)

prEN ISO 11666 en
Non-destructive testing of welds – Ultrasonic testing
– Acceptance levels (ISO/DIS 11666:2017)
Nerazorno ispitivanje zavarenih spojeva – Ultrazvučno
ispitivanje – Razine prihvatljivosti (ISO/DIS 11666:2017)

HZN/TO 47, Kemija

ISO 1770:1981/Amd 1:1983 en
Solid-stem general purpose thermometers
Štapni termometri opće namjene

HZN/TO 54, Eterična ulja

ISO 3054:2017 en
Essential oil of lavender Abrial (Lavandula angustifolia Mill.
× Lavandula latifolia Medik.), French type
Eterično ulje lavandina 'Abrialis' (Lavandula angustifolia Mill.
× Lavandula latifolia Medik.), francuski tip

ISO 3063:2004 en
Oil of ylang-ylang (Cananga odorata (Lam.) Hook. f. et
Thomson forma genuina)
Ulje ilang ilanga (Cananga odorata (Lam.) Hook. f. et Thomson
forma genuina)

ISO 3064:2015 en
Essential oil of petitgrain, Paraguayan type (Citrus aurantium
L. var. Paraguay (syn. Citrus aurantium var. bigaradia Hook
f.))
Eterično ulje petitgraina, paragvajski tip (Citrus aurantium L.
var. Paraguay (syn. Citrus aurantium var. bigaradia Hook f.))

ISO 3527:2016 en
Essential oil of parsley fruits (Petroselinum sativum Hoffm.)
Eterično ulje ploda peršina (Petroselinum sativum Hoffm.)

ISO 3848:2016 en
Essential oil of citronella, Java type
Eterično ulje citronele, javanski tip

ISO 4730:2017 en
Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil)
Eterično ulje Melaleuca-e, tip terpinen-4-ol (Ulje australskog
čajnog drva)

ISO 8896:2016 en
Essential oil of caraway (Carum carvi L.)
Eterično ulje kima (Carum carvi L.)

ISO 8902:2009 en
Oil of lavender Grosso (Lavandula angustifolia Mill. ×
Lavandula latifolia Medik.), French type
Eterično ulje lavandina Grosso (Lavandula angustifolia Mill. ×
Lavandula latifolia Medik.), francuski tip

HZN/TO 121, Anestetička i respiracijska oprema

EN ISO 7396-1:2016/prA1 en
Medical gas pipeline systems – Part 1: Pipeline
systems for compressed medical gases and vacuum
(ISO 7396-1:2016/DAmD 1:2017)
Cjevovodni sustavi za medicinske plinove – 1. dio: Cjevovodni
sustavi za komprimirane medicinske plinove i vakuum
(ISO 7396-1:2016/DAmD 1:2017)

prEN ISO 10524-1 en
Pressure regulators for use with medical gases – Part 1:
Pressure regulators and pressure regulators with flow-
metering devices (ISO/DIS 10524-1:2017)
Regulatori tlaka za uporabu s medicinskim plinovima
– 1. dio: Regulatori tlaka i regulatori tlaka s uređajima za
mjerenje protoka (ISO/DIS 10524-1:2017)

prEN ISO 10524-2 en
Pressure regulators for use with medical gases – Part 2:
Manifold and line pressure regulators (ISO/DIS 10524-2:2017)
Regulatori tlaka za uporabu s medicinskim plinovima – 2. dio:
Regulatori tlaka baterija boca i tlaka središnjeg sustava
opskrbe (ISO/DIS 10524-2:2017)

prEN ISO 10524-3 en
Pressure regulators for use with medical gases – Part 3:
Pressure regulators integrated with cylinder valves (VIPRs)
(ISO/DIS 10524-3:2017)
Regulatori tlaka za uporabu s medicinskim plinovima
– 3. dio: Regulatori tlaka integrirani s ventilima na boci
(ISO/DIS 10524-3:2017)

EN ISO 15002:2008/prA1 en
Flow-metering devices for connection to terminal units of
medical gas pipeline systems (ISO 15002:2008/DAmD 1:2017)
Mjerni uređaji protoka koji se spajaju na priključnu jedinicu
medicinskoga plinovodnog sustava (ISO 15002:2008/DAmD 1:2017)

HZN/TO 145, Grafički simboli

ISO 3864-2:2016 en
Graphical symbols – Safety colours and safety signs – Part 2:
Design principles for product safety labels
Grafički simboli – Boje i znakovi sigurnosti – 2. dio: Načela
oblikovanja sigurnosnih oznaka na proizvodima

HZN/TO 147, Kvaliteta vode

prEN ISO 9698 en
Water quality – Tritium – Test method using liquid scintillation
counting (ISO/DIS 9698:2017)
Kvaliteta vode – Tricij – Metoda tekućinske scintilacije
(ISO/DIS 9698:2017)

prEN ISO 19340 en
Water quality – Determination of dissolved perchlorate – Method
using ion chromatography (IC) (ISO/DIS 19340:2017)
Kvaliteta vode – Određivanje otopljenoga perklorata – Metoda
ionske kromatografije (IC) (ISO/DIS 19340:2017)

HZN/TO 163, Toplinska izolacija

prEN ISO 7345 en
Thermal performance of buildings and building components
– Physical quantities and definitions (ISO/DIS 7345:2017)
Toplinska svojstva zgrada i građevnih dijelova – Fizikalne
veličine i definicije (ISO/DIS 7345:2017)

prEN 17101 en
Thermal insulation products for buildings – PU adhesive foam
for External Thermal Insulation Composite Systems (ETICS)

FprCEN ISO/TR 52003-2 en
Energy performance of buildings – Indicators, requirements
and certification – Part 2: Explanations and justifications for
ISO 52003-1 (ISO/DTR 52003-2:2016)
Energijska svojstva zgrada – Pokazatelji, zahtjevi i certifikacija
– 2. dio: Objašnjenje i obrazloženje norme ISO 52003-1
(ISO/DTR 52003-2:2016)

HZN/TO 167, Metalne konstrukcije

prEN 1090-3 en
Execution of steel structures and aluminium structures
– Part 3: Technical requirements for aluminium structures
Izvedba čeličnih i aluminijskih konstrukcija – 3. dio: Tehnički
zahtjevi za aluminijske konstrukcije

HZN/TO 172, Optika i optički instrumenti

prEN ISO 11978 en
Ophthalmic optics – Contact lenses and contact lens care
products – Labelling (ISO/FDIS 11978:2017)
Oftalmološka optika – Kontaktne leće i proizvodi za održavanje
kontaktnih leća – Označavanje (ISO/FDIS 11978:2017)

EN ISO 14889:2013/prA1 en
Ophthalmic optics – Spectacle lenses – Fundamental requirements
for uncut finished lenses (ISO 14889:2013/DAmD 1:2017)
Oftalmološka optika – Naočalne leće – Osnovni zahtjevi za
neoblikovane gotove leće (ISO 14889:2013/DAmD 1:2017)

EN ISO 16671:2015/prA1 en
Ophthalmic implants – Irrigating solutions for ophthalmic
surgery (ISO 16671:2015/DAmD 1:2017)
Oftalmološki implantanti – Tekućine za ispiranje u oftalmološkoj
kirurgiji (ISO 16671:2015/DAmD 1:2017)

HZN/TO 181, Sigurnost igračaka i proizvodi za djecu

prEN 13209-1 en
Child care and care articles – Baby carriers – Safety
requirements and test methods – Part 1: Framed back
carrier
Proizvodi za dojenčad i malu djecu – Nosiljke za dojenčad
– Sigurnosni zahtjevi i metode ispitivanja – 1. dio: Ledne
nosiljke s krutom okvirnom konstrukcijom

HZN/TO 211, *Geoinformacije/Geomatika*

- prEN ISO 19115-2 en
Geographic information – Metadata – Part 2: Extensions for acquisition and processing (ISO/DIS 19115-2:2017)

HZN/TO 219, *Podne obloge*

- prEN 1081 en
Resilient floor coverings – Determination of the electrical resistance
Elastične podne obloge – Određivanje električne otpornosti

HZN/TO 221, *Geosintetici*

- prEN 17096 en
Geosynthetics – Test method for the determination of the strain hardening modulus of HDPE geosynthetic barriers
- prEN 17097 en
Geosynthetics – Characteristics required for use in surface erosion control on slopes and banks

HZN/TO 502, *Plinski uređaji*

- prEN 17082 en
Domestic and non-domestic gas-fired forced convection air heaters for space heating not exceeding a net heat input of 300 kW
Kućanski i nekućanski plinski generatori toplog zraka s prisilnom konvekcijom za grijanje prostora s nazivnim toplinskim opterećenjem jednakim ili manjim od 300 kW

HZN/TO 503, *Metalni materijali*

- prEN ISO 683-1 en
Heat treatable steels, alloy steels and free-cutting steels – Part 1: Non alloy steels for quenching and tempering (ISO 683-1:2016)
- prEN ISO 683-2 en
Heat treatable steels, alloy steels and free-cutting steels – Part 2: Alloy steels for quenching and tempering (ISO 683-2:2016)
- prEN ISO 683-3 en
Heat-treatable steels, alloy steels and free-cutting steels – Part 3: Case-hardening steels (ISO 683-3:2016)
- prEN ISO 683-4 en
Heat treatable steels, alloy steels and free-cutting steels – Part 4: Free-cutting steels (ISO 683-4:2016)
- prEN 10277 en
Bright steel products – Technical delivery conditions
Svijetli čelični proizvodi – Tehnički uvjeti isporuke

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

- prEN ISO 4531 en
Vitreous and porcelain enamels – Migration from enamelled ware in contact with food – Method of test and permissible limits (ISO/DIS 4531:2017)
- prEN 12954 en
General principles of cathodic protection of buried or immersed onshore metallic structures

HZN/TO 509, *Cestovna oprema*

- prEN 1463-3 en
Road marking materials – Part 3: Active road studs
Materijali za oznake na kolniku – 3. dio: Smjerokazne oznake s vlastitim izvorom svjetlosti

HZN/TO 513, *Mjerne jedinice i mjerila*

- prEN 12830 en
Temperature recorders for the transport, storage and distribution of temperature sensitive goods – Tests, performance, suitability
- ISO 22412:2017 en
Particle size analysis – Dynamic light scattering (DLS)
Analiza veličine čestican – Dinamičko raspršenje svjetlosti

HZN/TO 528, *Oprema za željeznice*

- prEN 14587-1 en
Railway applications – Infrastructure – Flash butt welding of new rails – Part 1: R220, R260, R260Mn, R320Cr, R350HT, R350LHT, R370CrHT and R400HT grade rails in a fixed plant
Željeznički sustav – Infrastruktura – Elektrootporno zavarivanje novih tračnica – 1. dio: Zavarivanje tračnica kvalitete R220, R260, R 260Mn, R320Cr, R350HT, R350LHT, R370CrHT i R400HT na stabilnom postrojenju
- prEN 16729-3 en
Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 3: Requirements for identifying internal and surface rail defects
Željeznički sustav – Infrastruktura – Nerazorno ispitivanje tračnica u kolosijeku – 3. dio: Zahtjevi za prepoznavanje unutarnjih i površinskih oštećenja tračnica
- prEN 17095 en
Railway applications – Rolling stock maintenance – Maintenance records
Željeznički sustav – Održavanje željezničkih vozila – Evidencija održavanja

HZN/TO 531, *Plastika i guma*

- prEN 17098-1 en
Plastics – Barrier films for agricultural and horticultural soil disinfection by fumigation – Part 1: Specifications for barrier films
- prEN 17098-2 en
Plastics – Barrier films for agricultural and horticultural soil disinfection by fumigation – Part 2: Method for film permeability determination using a static technique
- prEN 17104 en
Thermoplastics rigid protective wallcovering panels for internal use in buildings – Performance characteristics

HZN/TO 539, *Kemijski dezinficijensi i antiseptici*

- prEN 17122 en
Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area – Test method and requirements – Phase2, step2
Kemijski dezinficijensi i antiseptici – Kvantitativni test na neporoznoj površini za procjenu virucidne djelotvornosti kemijskih dezinficijensa i antiseptika koji se upotrebljavaju u veterinarstvu – Metoda ispitivanja i zahtjevi – Faza 2, korak 2

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

- CEN/TR 12831-4:2017 en
Energy performance of buildings – Method for the calculation of the design heat load – Part 4: Explanation and justification of EN 12831-3, Module M8-2, M8-3
Energijska svojstva zgrada – Metoda proračuna projektnog toplinskog opterećenja – 4. dio: Objašnjenje i obrazloženje norme EN 12831-3, Moduli M8-2, M8-3
- FprCEN/TR 15316-6-4 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-4: Explanation and justification of EN 15316-4-1, Module M3-8-1, M8-8-1
Energijska svojstva zgrada – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 6-4: Objašnjenje i obrazloženje norme EN 15316-4-1, Moduli M3-8-1, M8-8-1
- CEN/TR 15316-6-8:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-8: Explanation and justification of EN 15316-4-5 (District heating and cooling), Module M3-8-5, M4-8-5, M8-8-5, M11-8-5
Energijska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-8: Objašnjenje i obrazloženje norme EN 15316-4-5 (Daljinsko grijanje i hlađenje), Moduli M3-8-5, M4-8-5, M8-8-5, M11-8-5

CEN/TR 15459-2:2017 en
Energy performance of buildings – Economic evaluation procedure for energy systems in buildings – Part 2: Explanation and justification of EN 15459-1, Module M1-14
Energjska svojstva zgrada – Postupak ekonomske ocjene za energijske sustave u zgradama – 2. dio: Objašnjenje i obrazloženje norme EN 15459-1, Modul M1-14

CEN/TR 16798-8:2017 en
Energy performance of buildings – Part 8: Ventilation for buildings – Modules M5-1, M5-5, M5-6, M5-8 – Calculation methods for the determination of air flow rates in buildings including infiltration – Technical report – Interpretation of the requirements in EN 16798-7
Energjska svojstva zgrada – 8. dio: Ventilacija u zgradama – Moduli M5-1, M5-5, M5-6, M5-8 – Metode proračuna za određivanje protoka zraka u zgradama uključujući infiltraciju – Tehnički izvještaj – Tumačenje zahtjeva u normi EN 16798-7

FprCEN/TR 16798-10 en
Energy performance of buildings – Part 10: Ventilation for buildings – Methods for the calculation of the energy performance of cooling systems – General – Technical report – Interpretation of the requirements in EN 16798-9 – Modules M4-1, M4-4, M4-9
Energjska svojstva zgrada – 10. dio: Ventilacija u zgradama – Metode proračuna energijskih svojstava sustava hlađenja – Općenito – Tehnički izvještaj – Tumačenje zahtjeva u normi EN 16798-9 – Moduli M4-1, M4-4, M4-9

FprCEN/TR 16798-14 en
Energy performance of buildings – Part 14: Module M4-8 – Calculation of cooling systems – Generation – Technical report – Interpretation of the requirements in EN 16798-13
Energjska svojstva zgrada – 14. dio: Modul M4-8 – Proračun sustava hlađenja – Proizvodnja – Tehnički izvještaj – Tumačenje zahtjeva u normi EN 16798-13

FprCEN/TR 16798-16 en
Energy performance of buildings – Module M4-7 – Calculation of cooling systems – Storage – Part 16: Technical report – Explanation of the requirements of EN 16798-15
Energjska svojstva zgrada – Modul M4-7 – Proračun sustava hlađenja – Akumulacija – 16. dio: Tehnički izvještaj – Tumačenje zahtjeva u normi EN 16798-15

FprCEN/TR 16798-18 en
Energy performance of buildings – Part 18: Ventilation for buildings – Module M4-11, M5-11, M6-11, M7-11 – Guidelines for inspection of ventilation and air conditioning systems – Technical report – Interpretation of the requirements in EN 16798-17
Energjska svojstva zgrada – 18. dio: Ventilacija u zgradama – Moduli M4-11, M5-11, M6-11, M7-11 – Smjernice za pregled sustava ventilacije i klimatizacije – Tehnički izvještaj – Tumačenje zahtjeva u normi EN 16798-17

HZN/TO 549, *Svjetlo i rasvjeta*

CEN/TR 15193-2:2017 en
Energy performance of buildings – Energy requirements for lighting – Part 2: Explanation and justification of EN 15193-1, Module M9
Energetska svojstva zgrade – Energetski zahtjevi za rasvjetu – 2. dio: Objašnjenje i obrazloženje norme EN 15193-1, Modul M9

HZN/TO 555, *Medicinski proizvodi*

prEN ISO 10993-1 en
Biological evaluation of medical devices – Part 1: Evaluation and testing within a risk management process (ISO/DIS 10993-1:2017)
Biolška procjena medicinskih proizvoda – 1. dio: Procjena i ispitivanje unutar procesa upravljanja rizikom (ISO/DIS 10993-1:2017)

prEN ISO 13408-2 en
Aseptic processing of health care products – Part 2: Sterilizing filtration (ISO/DIS 13408-2:2017)
Aseptički postupci za proizvode zdravstvene zaštite – 2. dio: Sterilizacija filtracijom (ISO/DIS 13408-2:2017)

EN ISO 80369-3:2016/prA1 en
Small-bore connectors for liquids and gases in healthcare applications – Part 3: Connectors for enteral applications (ISO 80369-3:2016/DAMd 1:2017)
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 3. dio: Spojnici za enteralnu primjenu (ISO 80369-3:2016/DAMd 1:2017)

EN ISO 80369-3:2016/prA2 en
Small-bore connectors for liquids and gases in healthcare applications – Part 3: Connectors for enteral applications (ISO 80369-3:2016/DAMd 2:2017)
Spojnici malog promjera za tekućine i plinove za primjenu u zdravstvu – 3. dio: Spojnici za enteralnu primjenu (ISO 80369-3:2016/DAMd 2:2017)

HZN/TO 557, *Zaštitna odjeća*

prEN 17092-1 en
Protective garments for motorcycle riders – Part 1: Test methods
Zaštitna odjeća za vozače motocikla – 1. dio: Metode ispitivanja

prEN 17092-2 en
Protective garments for motorcycle riders – Part 2: Heavy-duty protective garments – Requirements
Zaštitna odjeća za vozače motocikla – 2. dio: Zaštitna odjeća za teške uvjete – Zahtjevi

prEN 17092-3 en
Protective garments for motorcycle riders – Part 3: Medium-duty protective garments – Requirements
Zaštitna odjeća za vozače motocikla – 3. dio: Zaštitna odjeća za srednje teške uvjete – Zahtjevi

prEN 17092-4 en
Protective garments for motorcycle riders – Part 4: Light-duty protective garments – Requirements
Zaštitna odjeća za vozače motocikla – 4. dio: Zaštitna odjeća za lake uvjete – Zahtjevi

prEN 17092-5 en
Protective garments for motorcycle riders – Part 5: Light-duty abrasion protection garments – Requirements
Zaštitna odjeća za vozače motocikla – 5. dio: Odjeća za zaštitu od abrazije u lakim uvjetima – Zahtjevi

prEN 17092-6 en
Protective garments for motorcycle riders – Part 6: Impact protectors ensemble garments – Requirements
Zaštitna odjeća za vozače motocikla – Dio 6: Odjevni kompleti sa štitnicima od udara – Zahtjevi

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

EN 16668:2016/prA1 en
Industrial valves – Requirements and testing for metallic valves as pressure accessories
Industrijski zaporni uređaji – Zahtjevi i ispitivanje metalnih zapornih uređaja kao dijelova podvrgnutih tlaku

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

EN 13445-3:2014/prA3 en
Unfired pressure vessels – Part 3: Design
Neložene tlačne posude – 3. dio: Projektiranje

EN 13480-2:2012/prA9 en
Metallic industrial piping – Part 2: Materials
Metalni industrijski cjevovodi – 2. dio: Materijali

HZN/TO 568, *Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom*

EN ISO 6888-1:1999/prA2 en
Microbiology of food and animal feeding stuffs – Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) – Part 1: Technique using Baird-Parker agar medium – Amendment 2: Inclusion of an alternative confirmation procedure (ISO 6888-1:1999/DAMd 2:2017)

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

prEN 62559-1:2017 en
Use Case Methodology – Part 1: Concept and Processes in Standardization (IEC 62559-1:201X)

HZN/TO E9, Električna oprema za željeznicu

- EN 61375-2-3:2015/A11:2017 en
Electronic railway equipment – Train communication network (TCN) – Part 2-3: TCN communication profile
Elektronička oprema za željeznice – Komunikacijska mreža vlaka (TCN) – Dio 2-3: Komunikacijski profil TCN-a
- EN 61375-3-4:2014/A11:2017 en
Electronic railway equipment – Train communication network (TCN) – Part 3-4: Ethernet Consist Network (ECN)
Elektronička oprema za željeznice – Komunikacijska mreža vlaka (TCN) – Dio 3-4: Mreža zasnovana na Ethernetu
- EN 62625-1:2013/A11:2017 en
Electronic railway equipment – On board driving data recording system – Part 1: System specification
Elektronička oprema za željeznice – Sustav snimanja podataka o vožnji na vozilu – 1. dio: Specifikacija sustava

HZN/TO E11, Nadzemni vodovi

- EN 50341-2-5:2017 en
Overhead electrical lines exceeding AC 1 kV – Part 2-5: National Normative Aspects (NNA) for DENMARK (based on EN 50341-1:2012)
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-5: Nacionalni normativni aspekti (NNA) za Dansku (na temelju EN 50341-1:2012)
- EN 50341-2-6:2017 en
Overhead electrical lines exceeding AC 1 kV – Part 2-6: National Normative Aspects (NNA) for SPAIN (based on EN 50341-1:2012)
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-6: Nacionalni normativni aspekti (NNA) za Španjolsku (na temelju EN 50341-1:2012)

HZN/TO E14, Energetski transformatori

- FprEN 50588-1:2017 en
Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements
Trofazni transformatori srednjeg napona, 50 Hz, najvećeg napona opreme do 36 kV – 1. dio: Opći zahtjevi

HZN/TO E22, Energetska elektronika

- EN 62501:2009/prA2:2017 en
Voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) power transmission – Electrical testing (IEC 62501:2009/am2:201X)
Ventili za pretvarače s naponskim ulazom (VSC) za prijenos energije istosmjernom strujom visokog napona (HVDC) – Električno ispitivanje (IEC 62501:2009/am2:201X)
- EN 62751-1:2014/prA1:2017 en
Power losses in voltage sourced converter (VSC) valves for high-voltage direct current (HVDC) systems – Part 1: General requirements (IEC 62751-1:2014/am1:201X)
Gubici u ventilima pretvarača s naponskim ulazom (VSC) za visokonaponske sustave istosmjerne struje (HVDC) – 1. dio: Opći zahtjevi (IEC 62751-1:2014/am1:201X)

HZN/TO E23, Električni instalacijski pribor

- EN 61008-1:2012/A12:2017 en
Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) – Part 1: General rules
Strujne zaštitne sklopke bez združene nadstrujne zaštite za kućanstvo i slične primjene (RCCB-i) – 1. dio: Opća pravila

HZN/TO E31, Eksplozivne atmosfere

- EN 60079-7:2015/prA1:2017 en
Explosive atmospheres – Part 7: Equipment protection by increased safety “e” (IEC 60079-7:2015/am1:201X)
Eksplozivne atmosfere – 7. dio: Vrsta zaštite opreme povećana sigurnost “e” (IEC 60079-7:2015/am1:201X)

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

- EN 62442-1:2011/FprAA:2017 en
Energy performance of lamp controlgear – Part 1: Controlgear for fluorescent lamps – Method of measurement to determine the total input power of controlgear circuits and the efficiency of the controlgear

Energetske značajke predspojnih naprava – 1. dio: Predspojne naprave za fluorescentne žarulje – Mjerne metode za određivanje ukupne ulazne snage krugova predspojne naprave i njezine iskoristivosti

- EN 62442-2:2014/FprAA:2017 en
Energy performance of lamp controlgear – Part 2: Controlgear for high intensity discharge lamps (excluding fluorescent lamps) – Method of measurement to determine the efficiency of the controlgear
Energetske značajke predspojnih naprava – 2. dio: Predspojne naprave za visokoučinkovite žarulje s izbojem (osim fluorescentnih žarulja) – Mjerna metoda za određivanje učinkovitosti predspojne naprave
- EN 62442-3:2014/FprAA:2017 en
Energy performance of lamp controlgear – Part 3: Controlgear for halogen lamps and LED modules – Method of measurement to determine the efficiency of the controlgear
Energetske značajke predspojnih naprava – 3. dio: Predspojne naprave za halogene žarulje i module svjetlećih dioda – Mjerna metoda za određivanje učinkovitosti predspojne naprave

HZN/TO E56, Pouzdanost

- prEN 60812:2017 en
Failure Modes and Effects analysis (FMEA) (IEC 60812:201X)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

- EN 61850-8-1:2011/prA1:2017 en
Communication networks and systems for power utility automation – Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3 (IEC 61850-8-1:2011/am1:201X)
- prEN 61850-8-2:2017 en
Communication networks and systems for power utility automation – Part 8-2: Specific communication service mapping (SCSM) – Mapping to Extensible Messaging Presence Protocol (XMPP) (IEC 61850-8-2:201X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

- EN 50569:2013/FprA1:2017 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric spin extractors
- EN 50570:2013/FprA1:2017 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric tumble dryers
- EN 50571:2013/FprA1:2017 en
Household and similar electrical appliances – Safety – Particular requirements for commercial electric washing machines

HZN/TO E62, Električna oprema u medicinskoj praksi

- EN 60601-1-8:2007/A11:2017 en
Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems
Medicinski električni uređaji – Dio 1-8: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Opći zahtjevi, ispitivanja i smjernice za alarmne sustave u medicinskim električnim uređajima i opremi

- prEN 60601-2-76:2017 en
Medical Electrical Equipment – Part 2-76: Particular requirements for the basic safety and essential performance of ionized gas coagulation equipment (IEC 60601-2-76:201X)

HZN/TO E79, Alarmni sustavi

- CLC/TS 50131-2-11:2017 en
Alarm systems – Intrusion and hold-up systems – Part 2-11: Intrusion detectors – ALDDR
Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-11: Protuprovalni detektori – ALDDR

HZN/TO E88, Vjetroagregati

prEN 61400-6:2017 en
Wind energy generation systems – Part 6: Tower and foundation design requirements (IEC 61400-6:201X)

prEN 61400-21-1:2017 en
Wind energy generation systems – Part 21-1: Measurement and assessment of electrical characteristics – Wind turbines (IEC 61400-21-1:201X)

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

prEN 62680-1-3:2017 en
Universal Serial Bus interfaces for data and power – Part 1-3: Common components – USB Type-C™ Cable and Connector Specification (IEC 62680-1-3:2017)

HZN/TO T4, Normizacija u telekomunikacijama

EN 301 908-11 V11.1.2:2017 en
Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU – Part 11: CDMA Direct Spread (UTRA FDD) Repeaters
Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 11. dio: Repetitori za CDMA s izravnim raspršivanjem (UTRA FDD)

EN 301 908-15 V11.1.2:2017 en
IMT cellular networks – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU – Part 15: Evolved Universal Terrestrial Radio Access (E-UTRA FDD) Repeaters
IMT celularne mreže – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 direktive 2014/53/EU – 15. dio: Repetitori za razvijeni univerzalni terestrijalni radijski pristup (E-UTRA)

EN 302 064 V2.1.1:2016 en
Wireless Video Links operating in the 1,3 GHz to 50 GHz frequency band – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
Bežični video linkovi koje rade u frekvencijskom pojasu od 1,3 GHz do 50 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

HZN/TU B1, Graditeljstvo 1

prEN ISO 19650-1 en
Organization of information about construction works – Information management using building information modelling – Part 1: Concepts and principles (ISO/DIS 19650-1:2017)

prEN ISO 19650-2 en
Organization of information about construction works – Information management using building information modelling – Part 2: Delivery phase of assets (ISO/DIS 19650-2:2017)

HZN/TU I2, Strojarstvo 2

prEN ISO 15382 en
Radiological protection – Procedures for monitoring the dose to the lens of the eye, the skin and the extremities (ISO 15382:2015)

prEN ISO 15651 en
Nuclear energy – Determination of total hydrogen content in PuO₂ and UO₂ powders and UO₂, (U, Gd)O₂ and (U, Pu)O₂ sintered pellets – Inert gas extraction and conductivity detection method (ISO 15651:2015)

prEN ISO 16424 en
Nuclear energy – Evaluation of homogeneity of Gd distribution within gadolinium fuel blends and determination of Gd₂O₃ content in gadolinium fuel pellets by measurements of uranium and gadolinium elements (ISO 16424:2012)

prEN ISO 16638-1 en
Radiological protection – Monitoring and internal dosimetry for specific materials – Part 1: Inhalation of uranium compounds (ISO 16638-1:2015)

prEN ISO 17099 en
Radiological protection – Performance criteria for laboratories using the cytokinesis block micronucleus (CBMN) assay in peripheral blood lymphocytes for biological dosimetry (ISO 17099:2014)

prEN 17106-1 en
Road operation machinery – Safety – Part 1: General requirements

prEN 17106-2 en
Road operation machinery – Safety – Part 2: Requirements for road surface cleaning machines

prEN 17106-3-1 en
Road operation machinery – Safety – Part 3-1: Winter service machines – Requirements for snow clearing machines with rotating tools and snow ploughs

prEN 17106-4-1 en
Road operation machinery – Safety – Part 4-1: Road service area maintenance machines – Requirements for grass and brush cutting machines

prEN ISO 18589-2 en
Measurement of radioactivity in the environment – Soil – Part 2: Guidance for the selection of the sampling strategy, sampling and pre-treatment of samples (ISO 18589-2:2015)

prEN ISO 18589-3 en
Measurement of radioactivity in the environment – Soil – Part 3: Test method of gamma-emitting radionuclides using gamma-ray spectrometry (ISO 18589-3:2015)

prEN ISO 19017 en
Guidance for gamma spectrometry measurement of radioactive waste (ISO 19017:2015)

prEN ISO 19238 en
Radiological protection – Performance criteria for service laboratories performing biological dosimetry by cytogenetics (ISO 19238:2014)

prEN ISO 20553 en
Radiation protection – Monitoring of workers occupationally exposed to a risk of internal contamination with radioactive material (ISO 20553:2006)

prEN ISO 20785-1 en
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 1: Conceptual basis for measurements (ISO 20785-1:2012)

prEN ISO 20785-2 en
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 2: Characterization of instrument response (ISO 20785-2:2011)

prEN ISO 20785-3 en
Dosimetry for exposures to cosmic radiation in civilian aircraft – Part 3: Measurements at aviation altitudes (ISO 20785-3:2015)

prEN ISO 21483 en
Determination of solubility in nitric acid of plutonium in unirradiated mixed oxide fuel pellets (U, Pu) O₂ (ISO 21483:2013)

prEN ISO 21613 en
(U, Pu)O₂ Powders and sintered pellets – Determination of chlorine and fluorine (ISO 21613:2015)

prEN ISO 29661 en
Reference radiation fields for radiation protection – Definitions and fundamental concepts (ISO 29661:2012)

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

prEN ISO 7405 en
Dentistry – Evaluation of biocompatibility of medical devices used in dentistry (ISO/DIS 7405:2017)
Stomatologija – Ocjenjivanje biokompatibilnosti medicinskih proizvoda koji se primjenjuju u stomatologiji (ISO/DIS 7405:2017)

HZN/TU S2, Zdravlje, okoliš i medicinska oprema 2

prEN ISO 11260 en
Soil quality – Determination of effective cation exchange capacity and base saturation level using barium chloride solution (ISO/DIS 11260:2017)
Kvaliteta tla – Određivanje stvarnog kapaciteta zamjene kationa i stupnja zasićenosti bazama s otopinom barijeva klorida (ISO/DIS 11260:2017)

prEN ISO 14254 en
Soil quality – Determination of exchangeable acidity using barium chloride solution as extractant (ISO/DIS 14254:2017)
Kvaliteta tla – Određivanje zamjenjive kiselosti ekstrakcijom s otopinom barijeva klorida (ISO/DIS 14254:2017)

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

- FprEN 2004-007 en
Aerospace series – Test methods for aluminium and aluminium alloy products – Part 7: Reference blocks for the calibration of measuring equipment used in the determination of electrical conductivity of wrought aluminium and aluminium alloy
- FprEN 2037 en
Aerospace series – Hexagonal steel bars drawn – Dimensions – Tolerances h 11 and h 12
- FprEN 2040 en
Aerospace series – Rectangular steel bars rolled – Dimensions – Tolerance js 16
- FprEN 2053 en
Aerospace series – U-section aluminium alloy folded profiles – Dimensions
- FprEN 2306 en
Aerospace series – Heat resisting – Nickel base alloy Ni-Cr20Co3Fe3 – Annealed – Bars
- FprEN 2667-2 en
Aerospace series – Non-metallic materials – Foaming structural adhesives – Test methods – Part 2: Compressive tube shear
- FprEN 3451 en
Aerospace series – Titanium TI-P99002 – Not heat treated – Grade 2 forging stock, for annealed forgings – a or D
- FprEN ISO 3745-202 en
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 202: Fibre dimensions
Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 202. dio: Dimenzije vlakana
- FprEN 4644-001 en
Aerospace series – Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous – Part 001: Technical specification
Nizovi o zrakoplovstvu – Spojnice, električne i optičke, pravokutne, modularne, s pravokutnim umetkom, stalne radne temperature 175 °C (ili 125 °C) – Dio 001: Tehnička specifikacija
- FprEN 4652-220 en
Aerospace series – Connectors, coaxial, radio frequency – Part 220: Type 2, TNC interface – Crimp version – Straight plug – Product standard
- FprEN 4729 en
Aerospace series – Trivalent chromium based chemical conversion coatings for aluminium and aluminium alloys
- FprEN 6059-503 en
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 503: Temperature rise due to rated current injected on the sleeve
Nizovi o zrakoplovstvu – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 503. dio: Porast temperature zbog nazivne struje unesene u navlaku
- FprEN 9300-002 en
Aerospace series – LOTAR – Long Term Archiving and Retrieval of digital technical product documentation such as 3D, CAD and PDM data – Part 002: Requirements
- prEN 12312-15 en
Aircraft ground support equipment – Specific requirements – Part 15: Baggage and equipment tractors
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 15. dio: Traktori za prtljagu i opremu

HZN/TU U1, *Opća elektrotehnika 1*

- prEN 60071-2:2017 en
Insulation co-ordination – Part 2: Application guide (IEC 60071-2:201X)
Usklađivanje izolacije – 2. dio: Upute za primjenu (IEC 60071-2:201X)

HZN/TU V1, *Elektronika 1*

- prEN 62812:2017 en
Low resistance measurements – Methods and guidance (IEC 62812:201X)

- prEN 62969-4:2017 en
Semiconductor devices – Semiconductor interfaces for automotive vehicles – Part 4: Evaluation method of data interface for automotive vehicle sensors (IEC 62969-4:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- EN 50636-2-107:2015/prA1:2017 en
Safety of household and similar appliances – Part 2-107: Particular requirements for robotic battery powered electrical lawnmowers
Sigurnost kućanskih i sličnih aparata – Dio 2-107: Posebni zahtjevi za robotske kosilice koje se napajaju iz baterije
- FprEN 62841-2-21:2017/FprAA:2017 en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-21: Particular requirements for hand-held drain cleaners
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-21: Posebni zahtjevi za ručne čistače odvoda

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 ISO 22472:2014 en
Brođovi i pomorska tehnologija – Smjernice za rad i ugradnju zapisivača podataka o putovanju broda (VDR) (ISO 22472:2006)
Ships and marine technology – Guidelines for the operation and installation of voyage data recorders (VDR) (ISO 22472:2006)
- zamijenjena s: HRN ISO 22472:2017

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN EN 54-13:2008 en
Sustavi za otkrivanje i dojavu požara – 13. dio: Ocjenjivanje kompatibilnosti dijelova sustava (EN 54-13:2005)
Fire detection and fire alarm systems – Part 13: Compatibility assessment of system components (EN 54-13:2005)
- zamijenjena s: HRN EN 54-13:2017

HZN/TO 25, *Ljevarstvo*

- HRN EN 1559-5:2001 en
Ljevarstvo – Tehnički uvjeti isporuke – 5. dio: Dodatni zahtjevi za odljevke od magnezijevih legura (EN 1559-5:1997)
Founding – Technical conditions of delivery – Part 5: Additional requirements for magnesium alloy castings (EN 1559-5:1997)
- zamijenjena s: HRN EN 1559-5:2017
- HRN EN 12421:2001 en
Magnezij i magnezijeve legure – Nelegirani magnezij (EN 12421:1998)
Magnesium and magnesium alloys – Unalloyed magnesium (EN 12421:1998)
- zamijenjena s: HRN EN 12421:2017

HZN/TO 35, *Boje i lakovi*

- HRN EN ISO 8502-2:2007 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 2. dio: Laboratorijsko određivanje klorida na očišćenim površinama (ISO 8502-2:2005; EN ISO 8502-2:2005)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 2: Laboratory determination of chloride on cleaned surfaces (ISO 8502-2:2005; EN ISO 8502-2:2005)
- zamijenjena s: HRN EN ISO 8502-2:2017

HRN EN ISO 8502-3:2004 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 3. dio: Ocjena zprašenosti čeličnih površina pripremljenih za bojenje (metoda pomoću trake osjetljive na pritisak) (ISO 8502-3:1992; EN ISO 8502-3:1999)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method) (ISO 8502-3:1992; EN ISO 8502-3:1999)
- zamijenjena s: HRN EN ISO 8502-3:2017

HRN EN ISO 8502-4:2004 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitivanja za procjenu čistoće površine – 4. dio: Smjernice za procjenu mogućnosti kondenzacije prije nanošenja boje (ISO 8502-4:1993; EN ISO 8502-4:1999)
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 4: Guidance on the estimation of the probability of condensation prior to paint application (ISO 8502-4:1993; EN ISO 8502-4:1999)
- zamijenjena s: HRN EN ISO 8502-4:2017

HRN EN ISO 8503-5:2007 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Svojstva hrapavosti površina čeličnih podloga čistih mlazom abraziva – 5. dio: Metoda replica trake za određivanje profila površine (ISO 8503-5:2003; EN ISO 8503-5:2004)
Preparation of steel substrates before application of paints and related products – Surface roughness characteristics of blast-cleaned steel substrates – Part 5: Replica tape method for the determination of the surface profile (ISO 8503-5:2003; EN ISO 8503-5:2004)
- zamijenjena s: HRN EN ISO 8503-5:2017

HRN EN 13523-1:2011 en

Metali zaštićeni trakom – Metode ispitivanja – 1. dio: Debljina sloja (EN 13523-1:2009)
Coil coated metals – Test methods – Part 1: Film thickness (EN 13523-1:2009)
- zamijenjena s: HRN EN 13523-1:2017

HRN EN 13523-10:2011 en

Metali zaštićeni trakom – Metode ispitivanja – 10. dio: Otpornost na fluorescentno UV zračenje i kondenzaciju vode (EN 13523-10:2010)
Coil coated metals – Test methods – Part 10: Resistance to fluorescent UV radiation and water condensation (EN 13523-10:2010)
- zamijenjena s: HRN EN 13523-10:2017

HRN EN 13523-12:2005 en

Metali zaštićeni trakom – Metode ispitivanja – 12. dio: Otpornost na grebanje (EN 13523-12:2004)
Coil coated metals – Test methods – Part 12: Resistance to scratching (EN 13523-12:2004)
- zamijenjena s: HRN EN 13523-12:2017

HRN EN 13523-22:2011 en

Metali zaštićeni trakom – Metode ispitivanja – 22. dio: Razlike u boji – Vizualna usporedba (EN 13523-22:2010)
Coil coated metals – Test methods – Part 22: Colour difference – Visual comparison (EN 13523-22:2010)
- zamijenjena s: HRN EN 13523-22:2017

HRN EN 13523-29:2011 en

Metali zaštićeni trakom – Metode ispitivanja – 29. dio: Otpornost na nečistoću iz okoliša (Nakupljanje nečistoće i nastanak pruga) (EN 13523-29:2010)
Coil coated metals – Test methods – Part 29: Resistance to environmental soiling (Dirt pick-up and striping) (EN 13523-29:2010)
- zamijenjena s: HRN EN 13523-29:2017

HRN EN ISO 20567-1:2008 en

Paints and varnishes – Determination of stone-chip resistance of coatings – Part 1: Multi-impact testing (ISO 20567-1:2005; EN ISO 20567-1:2006)
- zamijenjena s: HRN EN ISO 20567-1:2017

HRN EN ISO 20567-2:2008 en

Paints and varnishes – Determination of stone-chip resistance of coatings – Part 2: Single-impact test with a guided impact body (ISO 20567-2:2005; EN ISO 20567-2:2006)
- zamijenjena s: HRN EN ISO 20567-2:2017

HZN/TO 44, Zavarivanje i srodni postupci**HRN EN ISO 9013:2003 en**

Toplinsko rezanje – Razredba rezova – Geometrijska specifikacija proizvoda i dozvoljena odstupanja kakvoće (ISO 9013:2002; EN ISO 9013:2002)
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances (ISO 9013:2002; EN ISO 9013:2002)
- zamijenjena s: HRN EN ISO 9013:2017

HRN EN ISO 9013:2003/A1:2008 en

Toplinsko rezanje – Razredba rezova – Geometrijska specifikacija proizvoda i dozvoljena odstupanja kakvoće (EN ISO 9013:2002/A1:2003)
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances (EN ISO 9013:2002/A1:2003)
- zamijenjena s: HRN EN ISO 9013:2017

HZN/TO 47, Kemija**HRN ISO/TS 14423:2001 en**

Materijali koji sadrže ugljik upotrijebljeni u proizvodnji aluminija – Paste za oblaganje na hladno – Određivanje udjela učinkovitog veziva i udjela agregata ekstrakcijom s kinolinom i određivanje razdiobe veličine agregata (ISO/TS 14423:1999)
Carbonaceous materials used in the production of aluminium – Cold-ramming pastes – Determination of effective binder content and aggregate content by extraction with quinoline, and determination of aggregate size distribution (ISO/TS 14423:1999)
- bez zamjene

HZN/TO 54, Eterična ulja**HRN ISO 1202:2004 en**

Eterična ulja – Određivanje udjela 1,8-cineola (ISO 1202:1981)
Essential oils – Determination of 1,8-cineole content (ISO 1202:1981)
- bez zamjene

HZN/TO 89, Furniri i drvne ploče**HRN EN 14323:2008 en**

Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Metode ispitivanja (EN 14323:2004)
Wood-based panels – Melamine faced boards for interior uses – Test methods (EN 14323:2004)
- zamijenjena s: HRN EN 14323:2017

HZN/TO 120, Koža i obuća**HRN EN ISO 2418:2004 en**

Koža – Kemijska, fizikalna i mehanička ispitivanja i ispitivanja postojanosti – Mjesto uzorkovanja (ISO 2418:2002; EN ISO 2418:2002)
Leather – Chemical, physical and mechanical and fastness tests – Sampling location (ISO 2418:2002; EN ISO 2418:2002)
- zamijenjena s: HRN EN ISO 2418:2017

HRN EN ISO 2420:2004 en

Koža – Fizikalna i mehanička ispitivanja – Određivanje prividne gustoće (ISO 2420:2002; EN ISO 2420:2002)
Leather – Physical and mechanical tests – Determination of apparent density (ISO 2420:2002; EN ISO 2420:2002)
- zamijenjena s: HRN EN ISO 2420:2017

HRN EN ISO 5402-1:2012 en

Koža – Određivanje otpornosti na svijanje – 1. dio: Metoda fleksometrom (ISO 5402-1:2011; EN ISO 5402-1:2011)
Leather – Determination of flex resistance – Part 1: Flexometer method (ISO 5402-1:2011; EN ISO 5402-1:2011)
- zamijenjena s: HRN EN ISO 5402-1:2017

HRN EN ISO 17075:2008 en

Koža – Kemijska ispitivanja – Određivanje sadržaja kroma(VI) (ISO 17075:2007; EN ISO 17075:2007)
Leather – Chemical tests – Determination of chromium(VI) content (ISO 17075:2007; EN ISO 17075:2007)
- zamijenjena s: HRN EN ISO 17075-1:2017, HRN EN ISO 17075-2:2017

HRN EN ISO 17232:2010 en

Koža – Fizikalna i mehanička ispitivanja – Određivanje otpornosti lakirane kože na toplinu (ISO 17232:2006; EN ISO 17232:2009)
Leather – Physical and mechanical tests – Determination of heat resistance of patent leather (ISO 17232:2006; EN ISO 17232:2009)
- zamijenjena s: HRN EN ISO 17232:2017

HRN EN ISO 17233:2008 en

Koža – Fizikalna i mehanička ispitivanja – Određivanje hladne temperature pucanja naslojenih površina / površinskih prevlaka (ISO 17233:2002; EN ISO 17233:2002)
Leather – Physical and mechanical tests – Determination of cold crack temperature of surface coatings (ISO 17233:2002; EN ISO 17233:2002)

- zamijenjena s: HRN EN ISO 17233:2017

HRN EN ISO 23910:2008 en

Koža – Fizikalna i mehanička ispitivanja – Mjerenje otpornosti na kidanje klinom (ISO 23910:2007; EN ISO 23910:2007)
Leather – Physical and mechanical tests – Measurement of stitch tear resistance (ISO 23910:2007; EN ISO 23910:2007)

- zamijenjena s: HRN EN ISO 23910:2017

HZN/TO 134, Gnojiva i poboljšivači tla

HRN EN 16317:2014 en

Gnojiva – Određivanje elemenata u tragovima – Određivanje arsena upotrebom atomske emisijske spektrometrije s induktivno spregnutom plazmom (ICP-AES) nakon otapanja u zlatotopki (EN 16317:2013)
Fertilizers – Determination of trace elements – Determination of arsenic by inductively coupled plasma-atomic emission spectrometry (ICP-AES) after aqua regia dissolution (EN 16317:2013)

- zamijenjena s: HRN EN 16317:2017

HRN EN 16320:2014 en

Gnojiva – Određivanje elemenata u tragovima – Određivanje žive upotrebom tehnike stvaranja pare (VG) nakon otapanja u zlatotopki (EN 16320:2013)
Fertilizers – Determination of trace elements – Determination of mercury by vapour generation (VG) after aqua regia dissolution (EN 16320:2013)

- zamijenjena s: HRN EN 16320:2017

HZN/TO 135, Nerazorna ispitivanja

HRN EN 1330-4:2010 en,fr,de

Nerazorno ispitivanje – Nazivlje – 4. dio: Nazivi koji se upotrebljavaju u ispitivanju ultrazvukom (EN 1330-4:2010)
Non-destructive testing – Terminology – Part 4: Terms used in ultrasonic testing (EN 1330-4:2010)

- zamijenjena s: HRN EN ISO 5577:2017

HZN/TO 136, Namještaj

HRN EN 581-1:2008 en

Vanjski namještaj – Namještaj za sjedenje i stolovi za kampiranje, kućnu i javnu uporabu – 1. dio: Opći sigurnosni zahtjevi (EN 581-1:2006)
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 1: General safety requirements (EN 581-1:2006)

- zamijenjena s: HRN EN 581-1:2017

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

HRN EN ISO 15876-1:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 1. dio: Općenito (ISO 15876-1:2003; EN ISO 15876-1:2003)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 1: General (ISO 15876-1:2003; EN ISO 15876-1:2003)

- zamijenjena s: HRN EN ISO 15876-1:2017

HRN EN ISO 15876-1:2004/A1:2007 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 1. dio: Općenito (ISO 15876-1:2003/Amd 1:2007; EN ISO 15876-1:2003/A1:2007)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 1: General – Amendment 1 (ISO 15876-1:2003/Amd 1:2007; EN ISO 15876-1:2003/A1:2007)

- zamijenjena s: HRN EN ISO 15876-1:2017

HRN EN ISO 15876-2:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 2. dio: Cijevi (ISO 15876-2:2003; EN ISO 15876-2:2003)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 2: Pipes (ISO 15876-2:2003; EN ISO 15876-2:2003)

- zamijenjena s: HRN EN ISO 15876-2:2017

HRN EN ISO 15876-2:2004/A1:2007 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 2. dio: Cijevi (ISO 15876-2:2003/Amd 1:2007; EN ISO 15876-2:2003/A1:2007)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 2: Pipes (ISO 15876-2:2003/Amd 1:2007; EN ISO 15876-2:2003/A1:2007)

- zamijenjena s: HRN EN ISO 15876-2:2017

HRN EN ISO 15876-3:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 3. dio: Spojnice (ISO 15876-3:2003; EN ISO 15876-3:2003)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 3: Fittings (ISO 15876-3:2003; EN ISO 15876-3:2003)

- zamijenjena s: HRN EN ISO 15876-3:2017

HRN EN ISO 15876-5:2004 en

Plastični cijevni sustavi za instalacije s toplom i hladnom vodom – Polibuten (PB) – 5. dio: Prikladnost sustava za uporabu (ISO 15876-5:2003; EN ISO 15876-5:2003)
Plastics piping systems for hot and cold water installations – Polybutylene (PB) – Part 5: Fitness for purpose of the system (ISO 15876-5:2003; EN ISO 15876-5:2003)

- zamijenjena s: HRN EN ISO 15876-5:2017

HZN/TO 190, Kvaliteta tla

HRN ISO 10381-2:2009 en

Kakvoća tla – Uzorkovanje – 2. dio: Upute o tehnikama uzorkovanja (ISO 10381-2:2002)
Soil quality – Sampling – Part 2: Guidance on sampling techniques (ISO 10381-2:2002)

- zamijenjena s: HRN ISO 18400-102:2017

HRN ISO 10381-3:2009 en

Kakvoća tla – Uzorkovanje – 3. dio: Upute o sigurnosti (ISO 10381-3:2001)
Soil quality – Sampling – Part 3: Guidance on safety (ISO 10381-3:2001)

- zamijenjena s: HRN ISO 18400-103:2017

HRN ISO 10381-7:2009 en

Kakvoća tla – Uzorkovanje – 7. dio: Upute za uzorkovanje plinova u tlu (ISO 10381-7:2005)
Soil quality – Sampling – Part 7: Guidance on sampling of soil gas (ISO 10381-7:2005)

- zamijenjena s: HRN ISO 18400-204:2017

HZN/TO 238, Čvrsta biogoriva

HRN EN ISO 18134-2:2015 en

Čvrsta biogoriva – Određivanje udjela vlage – Metoda sušionika – 2. dio: Ukupna vlaga – Pojednostavljena metoda (ISO 18134-2:2015; EN ISO 18134-2:2015)
Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method (ISO 18134-2:2015; EN ISO 18134-2:2015)

- zamijenjena s: HRN EN ISO 18134-2:2017

HZN/TO 502, Plinski uređaji

HRN EN 15181:2008 en

Mjerna metoda potrošnje energije plinskih peći (EN 15181:2008)
Measuring method of the energy consumption of gas fired ovens (EN 15181:2008)

- zamijenjena s: HRN EN 15181:2017

HZN/TO 503, Metalni materijali

HRN EN 515:2008 en

Aluminij i aluminijeve legure – Gnječeni proizvodi – Označivanje stanja (EN 515:1993)
Aluminium and aluminium alloys – Wrought products – Temper designations (EN 515:1993)

- zamijenjena s: HRN EN 515:2017

HRN EN 10052:2007 en

Rječnik naziva toplinske obrade za željezne proizvode (EN 10052:1993)
Vocabulary of heat treatment terms for ferrous products (EN 10052:1993)

- zamijenjena s: HRN EN ISO 4885:2017

HRN EN ISO 16120-2:2012 en

Valjana žica od nelegiranog čelika za vučenje u žicu – 2. dio: Posebni zahtjevi za valjanu žicu za opću namjenu (ISO 16120-2:2011; EN ISO 16120-2:2011)
Non-alloy steel wire rod for conversion to wire – Part 2: Specific requirements for general-purpose wire rod (ISO 16120-2:2011; EN ISO 16120-2:2011)
- zamijenjena s: HRN EN ISO 16120-2:2017

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 8401:1999 en

Metalne prevlake – Pregled metoda mjerenja žilavosti (ISO 8401:1986; EN ISO 8401:1994)
Metallic coatings – Review of methods of measurement of ductility (ISO 8401:1986; EN ISO 8401:1994)
- zamijenjena s: HRN EN ISO 8401:2017

HRN EN ISO 28706-2:2012 en

Staklasti i porculanski emajli – Određivanje otpornosti na kemijsku koroziju – 2. dio: Određivanje otpornosti na kemijsku koroziju pomoću vrijućih kiselina, vrijućih neutralnih tekućina i/ili njihovim parama (ISO 28706-2:2008; EN ISO 28706-2:2011)
Vitreous and porcelain enamels – Determination of resistance to chemical corrosion – Part 2: Determination of resistance to chemical corrosion by boiling acids, boiling neutral liquids and/or their vapours (ISO 28706-2:2008; EN ISO 28706-2:2011)
- zamijenjena s: HRN EN ISO 28706-2:2017

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

HRN EN ISO 14532:2010 en

Prirodni plin – Rječnik (ISO 14532:2001+Cor 1:2002; EN ISO 14532:2005)
Natural gas – Vocabulary (ISO 14532:2001+Cor 1:2002; EN ISO 14532:2005)
- zamijenjena s: HRN EN ISO 14532:2017

HZN/TO 508, Ambalaža i pakiranje

HRN EN 13592:2008 en

Plastične vreće za sakupljanje kućnog otpada – Tipovi, zahtjevi i ispitne metode (EN 13592:2003+A1:2007+AC:2008)
Plastics sacks for household waste collection – Types, requirements and test methods (EN 13592:2003+A1:2007+AC:2008)
- zamijenjena s: HRN EN 13592:2017

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 12397:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Pogonske upute (EN 12397:2004)
Safety requirements for cableway installations designed to carry persons – Operation (EN 12397:2004)
- zamijenjena s: HRN EN 12397:2017

HRN EN 13796-2:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila – 2. dio: Ispitivanje steznog uređaja na proklizavanje (EN 13796-2:2005)
Safety requirements for cableway installations designed to carry persons – Carriers – Part 2: Slipping resistance test for grips (EN 13796-2:2005)
- zamijenjena s: HRN EN 13796-2:2017

HRN EN 13796-3:2006 en

Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila – 3. dio: Ispitivanje umora materijala (EN 13796-3:2005)
Safety requirements for cableway installations designed to carry persons – Carriers – Part 3: Fatigue tests (EN 13796-3:2005)
- zamijenjena s: HRN EN 13796-3:2017

HZN/TO 518, Podovi, stropovi i zidne obloge

HRN EN 13865:2008 en

Površine sportskih terena – Određivanje ponašanja lopte pri odskoku pod kutom – Tenis (EN 13865:2003)
Surfaces for sports areas – Determination of angled ball behaviour – Tennis (EN 13865:2003)
- zamijenjena s: HRN EN 13865:2017

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRS CEN/TS 14405:2014 en

Karakterizacija otpada – Ispitivanja ponašanja izluživanja – Ispitivanje up-flow cijedenja (pod određenim uvjetima) (CEN/TS 14405:2004)
Characterization of waste – Leaching behaviour tests – Up-flow percolation test (under specified conditions) (CEN/TS 14405:2004)
- zamijenjena s: HRN EN 14405:2017

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 15005:2005 en

Cestovna vozila – Ergonomski aspekti prometnih podataka i upravljačkih sustava – Načela vođenja dijaloga i postupci usklađivanja (ISO 15005:2002; EN ISO 15005:2002)
Road vehicles – Ergonomic aspects of transport information and control systems – Dialogue management principles and compliance procedures (ISO 15005:2002; EN ISO 15005:2002)
- zamijenjena s: HRN EN ISO 15005:2017

HRN EN ISO 15008:2009 en

Cestovna vozila – Ergonomski aspekti prometnih podataka i upravljačkih sustava – Specifikacije i ispitni postupci za vizualni prikaz u vozilu (ISO 15008:2009; EN ISO 15008:2009)
Road vehicles – Ergonomic aspects of transport information and control systems – Specifications and test procedures for in-vehicle visual presentation (ISO 15008:2009; EN ISO 15008:2009)
- zamijenjena s: HRN EN ISO 15008:2017

HZN/TO 528, Oprema za željeznice

HRN EN 14730-1:2010 en

Željeznički sustav – Željeznički gornji ustroj – Aluminotermijsko zavarivanje tračnica – 1. dio: Odobravanje postupaka zavarivanja (EN 14730-1:2006+A1:2010)
Railway applications – Track – Aluminothermic welding of rails – Part 1: Approval of welding processes (EN 14730-1:2006+A1:2010)
- zamijenjena s: HRN EN 14730-1:2017

HZN/TO 531, Plastika i guma

HRN EN 1762:2008 en

Gumena crijeva i crijevni uređaji za ukapljeni naftni plin, LPG (kapljevita ili plinska faza), i prirodni plin do 25 bara (2,5 MPa) – Specifikacija (EN 1762:2003+AC:2007)
Rubber hoses and hose assemblies for liquefied petroleum gas, LPG (liquid or gaseous phase), and natural gas up to 25 bar (2,5 MPa) – Specification (EN 1762:2003+AC:2007)
- zamijenjena s: HRN EN 1762:2017

HRN EN ISO 6803:2008 en

Gumena i plastična crijeva i crijevni uređaji – Vodeno, tlačno, impulsno ispitivanje bez savijanja (ISO 6803:2008; EN ISO 6803:2008)
Rubber or plastics hoses and hose assemblies – Hydraulic-pressure impulse test without flexing (ISO 6803:2008; EN ISO 6803:2008)
- zamijenjena s: HRN EN ISO 6803:2017

HZN/TO 533, Kolničke konstrukcije

HRN EN 12697-17:2008 en

Bitumenske mješavine – Ispitne metode za asfalt proizveden vrućim postupkom – 17. dio: Gubitak zrnja na uzorcima poroznog asfalta (EN 12697-17:2004+A1:2007)
Bituminous mixtures – Test methods for hot mix asphalt – Part 17: Particle loss of porous asphalt specimen (EN 12697-17:2004+A1:2007)
- zamijenjena s: HRN EN 12697-17:2017

HZN/TO 534, Spremnici za teret

HRN EN 13530-3:2004 en

Kriogenične posude – Velike prijevozne posude izolirane vakuumom – 3. dio: Pogonski zahtjevi (EN 13530-3:2002)
Cryogenic vessels – Large transportable vacuum insulated vessels – Part 3: Operational requirements (EN 13530-3:2002)
- zamijenjena s: HRN EN ISO 20421-2:2017

HRN EN 13530-3:2004/A1:2008 en

Kriogenične posude – Velike prijevozne posude izolirane vakuumom – 3. dio: Pogonski zahtjevi (EN 13530-3:2002/A1:2005)
Cryogenic vessels – Large transportable vacuum insulated vessels – Part 3: Operational requirements (EN 13530-3:2002/A1:2005)
- zamijenjena s: HRN EN ISO 20421-2:2017

HZN/TO 551, *Gradnja*

- HRN EN 15651-1:2012 en
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 1. dio: Brtvila za elemente pročelja (EN 15651-1:2012)
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements (EN 15651-1:2012)
- zamijenjena s: HRN EN 15651-1:2017
- HRN EN 15651-2:2012 en
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 2. dio: Brtvila za staklene stijene (EN 15651-2:2012)
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing (EN 15651-2:2012)
- zamijenjena s: HRN EN 15651-2:2017
- HRN EN 15651-3:2012 en
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 3. dio: Brtvila za spojeve sanitarija (EN 15651-3:2012)
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 3: Sealants for sanitary joints (EN 15651-3:2012)
- zamijenjena s: HRN EN 15651-3:2017
- HRN EN 15651-4:2012 en
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 4. dio: Brtvila za pješačke staze (EN 15651-4:2012)
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 4: Sealants for pedestrian walkways (EN 15651-4:2012)
- zamijenjena s: HRN EN 15651-4:2017
- HRN EN 15651-5:2012 en
Brtvila za nekonstrukcijsku uporabu za spojeve u zgradama i pješačkim stazama – 5. dio: Vrednovanje sukladnosti i označivanje (EN 15651-5:2012)
Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 5: Evaluation of conformity and marking (EN 15651-5:2012)
- zamijenjena s: HRN EN 15651-5:2017

HZN/TO 553, *Predgotovljeni proizvodi*

- HRN EN 1308:2008 en
Ljepila za pločice – Određivanje klizanja (EN 1308:2007)
Adhesives for tiles – Determination of slip (EN 1308:2007)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 1323:2008 en
Ljepila za pločice – Betonske podloge za ispitivanja (EN 1323:2007)
Adhesives for tiles – Concrete slabs for tests (EN 1323:2007)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 1324:2008 en
Ljepila za pločice – Određivanje smične prionljivosti disperzijskih ljepila (EN 1324:2007)
Adhesives for tiles – Determination of shear adhesion strength of dispersion adhesives (EN 1324:2007)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 1346:2008 en
Ljepila za pločice – Određivanje otvorenoga vremena (EN 1346:2007)
Adhesives for tiles – Determination of open time (EN 1346:2007)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 1348:2008 en
Ljepila za pločice – Određivanje čvrstoće prionljivosti ljepila na osnovi cementa (EN 1348:2007)
Adhesives for tiles – Determination of tensile adhesion strength for cementitious adhesives (EN 1348:2007)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 12002:2008 en
Ljepila za pločice – Određivanje deformacije u poprečnom smjeru za ljepila i mase za fugiranje na osnovi cementa (EN 12002:2008)
Adhesives for tiles – Determination of transverse deformation for cementitious adhesives and grouts (EN 12002:2008)
- zamijenjena s: HRN EN 12004-2:2017

- HRN EN 12003:2008 en
Ljepila za pločice – Određivanje smične prionljivosti ljepila na osnovi reakcijskih smola (EN 12003:2008)
Adhesive for tiles – Determination of shear adhesion strength of reaction resin adhesives (EN 12003:2008)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 12003:2008/Ispr.1:2009 en
Ljepila za pločice – Određivanje smične prionljivosti ljepila na osnovi reakcijskih smola (EN 12003:2008/AC:2009)
Adhesive for tiles – Determination of shear adhesion strength of reaction resin adhesives (EN 12003:2008/AC:2009)
- zamijenjena s: HRN EN 12004-2:2017
- HRN EN 12004:2012 en
Ljepila za pločice – Zahtjevi, vrednovanje sukladnosti, razredba i označivanje (EN 12004:2007+A1:2012)
Adhesives for tiles – Requirements, evaluation of conformity, classification and designation (EN 12004:2007+A1:2012)
- zamijenjena s: HRN EN 12004-1:2017
- HRN EN 14891:2012 en
Vodonepropusni proizvodi u tekućem obliku za primjenu ispod keramičkih pločica povezanih ljepilom – Zahtjevi, ispitne metode, vrednovanje sukladnosti, razredba i označivanje (EN 14891:2012)
Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives – Requirements, test methods, evaluation of conformity, classification and designation (EN 14891:2012)
- zamijenjena s: HRN EN 14891:2017
- HRN EN 14891:2012/Ispr.1:2013 en
Vodonepropusni proizvodi u tekućem obliku za primjenu ispod keramičkih pločica povezanih ljepilom – Zahtjevi, ispitne metode, vrednovanje sukladnosti, razredba i označivanje (EN 14891:2012/AC:2012)
Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives – Requirements, test methods, evaluation of conformity, classification and designation (EN 14891:2012/AC:2012)
- zamijenjena s: HRN EN 14891:2017

HZN/TO 555, *Medicinski proizvodi*

- HRN EN 868-2:2010 en
Ambalaža za završno sterilizirane medicinske proizvode – 2. dio: Sterilizacija ogrtača – Zahtjevi i ispitne metode (EN 868-2:2009)
Packaging for terminally sterilized medical devices – Part 2: Sterilization wrap – Requirements and test methods (EN 868-2:2009)
- zamijenjena s: HRN EN 868-2:2017
- HRN EN 868-3:2010 en
Ambalaža za završno sterilizirane medicinske proizvode – 3. dio: Papir za uporabu u proizvodnji papirnatih vreća (određenih u EN 868-4) i u proizvodnji vrećica i rola (određenih u EN 868-5) – Zahtjevi i ispitne metode (EN 868-3:2009)
Packaging for terminally sterilized medical devices – Part 3: Paper for use in the manufacture of paper bags (specified in EN 868-4) and in the manufacture of pouches and reels (specified in EN 868-5) – Requirements and test methods (EN 868-3:2009)
- zamijenjena s: HRN EN 868-3:2017
- HRN EN 868-4:2010 en
Ambalaža za završno sterilizirane medicinske proizvode – 4. dio: Papirnatu vreću – Zahtjevi i ispitne metode (EN 868-4:2009)
Packaging for terminally sterilized medical devices – Part 4: Paper bags – Requirements and test methods (EN 868-4:2009)
- zamijenjena s: HRN EN 868-4:2017
- HRN EN 868-6:2010 en
Ambalaža za završno sterilizirane medicinske proizvode – 6. dio: Papir za niskotemperaturne sterilizacijske postupke – Zahtjevi i ispitne metode (EN 868-6:2009)
Packaging for terminally sterilized medical devices – Part 6: Paper for low temperature sterilization processes – Requirements and test methods (EN 868-6:2009)
- zamijenjena s: HRN EN 868-6:2017
- HRN EN 868-7:2010 en
Ambalaža za završno sterilizirane medicinske proizvode – 7. dio: Ljepilom premazan papir za niskotemperaturne postupke sterilizacije – Zahtjevi i ispitne metode (EN 868-7:2009)
Packaging for terminally sterilized medical devices – Part 7: Adhesive coated paper for low temperature sterilization processes – Requirements and test methods (EN 868-7:2009)
- zamijenjena s: HRN EN 868-7:2017

HZN/TO 556, Osobna zaštitna oprema

HRN EN 207:2010 en
Osobna zaštita očiju – Filtri i sredstva za zaštitu očiju protiv laserskog zračenja (laserski štitnici za oči) (EN 207:2009)
Personal eye-protection equipment – Filters and eye-protectors against laser radiation (laser eye-protectors) (EN 207:2009)
- zamijenjena s: HRN EN 207:2017

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 558:2012 en
Industrijski zaporni uređaji – Ugradbene mjere između krajeva i osi i kraja kod metalnih zapornih uređaja za primjenu u cijevnim sustavima s prirubničkim spojevima – Zaporni uređaji s oznakama PN-a i razreda (EN 558:2008+A1:2011)
Industrial valves – Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems – PN and Class designated valves (EN 558:2008+A1:2011)
- zamijenjena s: HRN EN 558:2017

HRN EN 12567:2002 en
Industrijski ventili – Ventili za odvajanje za ukapljeni prirodni plin – Specifikacija pogodnosti i odgovarajuća ispitivanja za ovjeru (EN 12567:2000)
Industrial valves – Isolating valves for LNG – Specification for suitability and appropriate verification tests (EN 12567:2000)
- zamijenjena s: HRN EN ISO 28921-1:2017,
HRN EN ISO 28921-2:2017

HRN EN 26554:2002 en
Automatski odvajajući kondenzata s prirubnicama – Mjere između prirubnica (ISO 6554:1980; EN 26554:1991)
Flanged automatic steam traps – Face-to-face dimensions (ISO 6554:1980; EN 26554:1991)
- zamijenjena s: HRN EN 558:2017

HZN/TO 560, Tekstilni proizvodi

HRN EN 14362-1:2012 en
Tekstil – Metode za određivanje određenih aromatskih amina izdvojenih iz azo bojila – 1. dio: Dokazivanje uporabe određenih azo bojila koja su dostupna s ekstrakcijom vlakana i bez nje (EN 14362-1:2012)
Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 1: Detection of the use of certain azo colorants accessible with and without extracting the fibres (EN 14362-1:2012)
- zamijenjena s: HRN EN 14362-1:2017

HRN EN 14362-3:2012 en
Tekstil – Metode za određivanje određenih aromatskih amina izdvojenih iz azo bojila – 3. dio: Dokazivanje uporabe određenih azo bojila koja mogu otpustiti 4-aminoazobenzen (EN 14362-3:2012)
Textiles – Methods for determination of certain aromatic amines derived from azo colorants – Part 3: Detection of the use of certain azo colorants which may release 4-aminoazobenzene (EN 14362-3:2012)
- zamijenjena s: HRN EN ISO 14362-3:2017

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

HRN EN 13807:2008 en
Prenosive plinske boce – Baterije boca na vozilima – Projektiranje, proizvodnja, označavanje i ispitivanje (EN 13807:2003+AC:2005)
Transportable gas cylinders – Battery vehicles – Design, manufacture, identification and testing (EN 13807:2003+AC:2005)
- zamijenjena s: HRN EN 13807:2017

HZN/TO 562, Alatni strojevi i alati

HRN EN ISO 6789:2009 en
Garnitura alata za vijke i matice – Ručni moment-ključevi – Zahtjevi i ispitne metode za ispitivanje konstrukcijske sukladnosti, sukladnosti kvalitete i postupak rekalkibracije (ISO 6789:2003; EN ISO 6789:2003)
Assembly tools for screws and nuts – Hand torque tools – Requirements and test methods for design conformance testing, quality conformance testing and recalibration procedure (ISO 6789:2003; EN ISO 6789:2003)
- zamijenjena s: HRN EN ISO 6789-1:2017,
HRN EN ISO 6789-2:2017

HZN/TO 564, Uljarice, biljna i životinjska ulja i masti

HRN EN ISO 663:2008 en
Životinjske i biljne masti i ulja – Određivanje količine netopljivih nečistoća (ISO 663:2007; EN ISO 663:2008)
Animal and vegetable fats and oils – Determination of insoluble impurities content (ISO 663:2007; EN ISO 663:2008)
- zamijenjena s: HRN EN ISO 663:2017

HRN EN ISO 3960:2010 en
Životinjske i biljne masti i ulja – Određivanje peroksidnog broja – Jodometrijsko određivanje točke završetka (ISO 3960:2007, ispravljena verzija 2009-05-15; EN ISO 3960:2010)
Animal and vegetable fats and oils – Determination of peroxide value – Iodometric (visual) endpoint determination (ISO 3960:2007, corrected version 2009-05-15; EN ISO 3960:2010)
- zamijenjena s: HRN EN ISO 3960:2017

HRN EN ISO 6320/AC:2007 en
Životinjske i biljne masti i ulja – Određivanje indeksa refrakcije (ISO 6320:2000/Cor. 1:2006; EN ISO 6320:2000/AC:2006)
Animal and vegetable fats and oils – Determination of refractive index (ISO 6320:2000/Cor. 1:2006; EN ISO 6320:2000/AC:2006)
- zamijenjena s: HRN EN ISO 6320:2017

HRN EN ISO 6320:2004 en
Životinjske i biljne masti i ulja – Određivanje indeksa refrakcije (ISO 6320:2000; EN ISO 6320:2000)
Animal and vegetable fats and oils – Determination of refractive index (ISO 6320:2000; EN ISO 6320:2000)
- zamijenjena s: HRN EN ISO 6320:2017

HRN EN ISO 6883:2014 en
Životinjske i biljne masti i ulja – Određivanje uobičajene obujamske mase ("težina jedne litre u zraku") (ISO 6883:2007; EN ISO 6883:2014)
Animal and vegetable fats and oils – Determination of conventional mass per volume (litre weight in air) (ISO 6883:2007; EN ISO 6883:2014)
- zamijenjena s: HRN EN ISO 6883:2017

HRN EN ISO 8534:2008 en
Životinjske i biljne masti i ulja – Određivanje količine vode – Karl Fischer metoda (bez piridina) (ISO 8534:2008; EN ISO 8534:2008)
Animal and vegetable fats and oils – Determination of water content – Karl Fischer method (pyridine free) (ISO 8534:2008; EN ISO 8534:2008)
- zamijenjena s: HRN EN ISO 8534:2017

HRN EN ISO 15774:2004 en
Životinjske i biljne masti i ulja – Određivanje količine kadmija izravnom grafitnom tehnikom atomske apsorpcijske spektrometrije (ISO 15774:2000; EN ISO 15774:2001)
Animal and vegetable fats and oils – Determination of cadmium content by direct graphite furnace atomic absorption spectrometry (ISO 15774:2000; EN ISO 15774:2001)
- zamijenjena s: HRN EN ISO 15774:2017

HZN/TO 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom

HRN EN ISO 6579:2003 en
Mikrobiologija hrane i stočne hrane – Horizontalna metoda za otkrivanje Salmonella spp (ISO 6579:2002; EN ISO 6579:2002)
Microbiology of food and animal feeding stuffs – Horizontal method for the detection of Salmonella spp (ISO 6579:2002; EN ISO 6579:2002)
- zamijenjena s: HRN EN ISO 6579-1:2017

HRN EN ISO 6579:2003/A1:2008 en
Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za otkrivanje Salmonella spp. – Amandman 1: Dodatak D: Otkrivanje Salmonella spp. u životinjskom izmetu i u uzorcima okoliša primarne proizvodnje (ISO 6579:2002/Amd 1:2007; EN ISO 6579:2002/A1:2007)
Microbiology of food and animal feeding stuffs – Horizontal method for the detection of Salmonella spp. – Amendment 1: Annex D: Detection of Salmonella spp. in animal faeces and in environmental samples from the primary production stage (ISO 6579:2002/Amd 1:2007; EN ISO 6579:2002/A1:2007)
- zamijenjena s: HRN EN ISO 6579-1:2017

HRN EN ISO 6579:2003/Ispr.1:2008 en

Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za dokazivanje prisutnosti Salmonella spp (ISO 6579:2002/Cor 1:2004; EN ISO 6579:2002/AC:2006)
Microbiology of food and animal feeding stuffs – Horizontal method for the detection of Salmonella spp (ISO 6579:2002/Cor 1:2004; EN ISO 6579:2002/AC:2006)
- zamijenjena s: HRN EN ISO 6579-1:2017

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

HRN EN 566:2008 en

Planinarska oprema – Produžne petlje – Sigurnosni zahtjevi i metode ispitivanja (EN 566:2006)
Mountaineering equipment – Slings – Safety requirements and test methods (EN 566:2006)
- zamijenjena s: HRN EN 566:2017

HRN EN 958:2010 en

Planinarska oprema – Sistemi za usporavanje pada u penjanju po osiguranoj stazi (via ferrata) – Sigurnosni zahtjevi i metode ispitivanja (EN 958:2006+A1:2010)
Mountaineering equipment – Energy absorbing systems for use in klettersteig (via ferrata) climbing – Safety requirements and test methods (EN 958:2006+A1:2010)
- zamijenjena s: HRN EN 958:2017

HZN/TO 574, Sustavi upravljanja kvalitetom, rizicima, vrijednostima i inovacijama

HRS ISO/TS 16949:2010 en

Sustavi upravljanja kvalitetom – Posebni zahtjevi pri primjeni ISO 9001:2008 za serijsku proizvodnju i proizvodnju zamjenskih dijelova u automobilske industriji (ISO/TS 16949:2009)
Quality management systems – Particular requirements for the application of ISO 9001:2008 for automotive production and relevant service part organizations (ISO/TS 16949:2009)
- bez zamjene

HZN/TO E2, Rotacijski strojevi

HRN EN 61986:2008 en

Rotacijski električni strojevi – Ekvivalentna opterećenja i metode superpozicija – Indirektno ispitivanje za određivanje zagrijanja (IEC 61986:2002; EN 61986:2002)
Rotating electrical machines – Equivalent loading and superposition techniques – Indirect testing to determine temperature rise (IEC 61986:2002; EN 61986:2002)
- zamijenjena s: HRN EN 60034-29:2008

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

HRN EN 62056-31:2008 en

Mjerenje električne energije – Razmjena podataka za očitavanje brojila i upravljanje tarifom i potrošnjom – 31. dio: Uporaba lokalnih mreža od upletenih parica sa signalizacijom prijenosnika (IEC 62056-31:1999; EN 62056-31:2000)
Electricity metering – Data exchange for meter reading, tariff and load control – Part 31: Use of local area networks on twisted pair with carrier signalling (IEC 62056-31:1999; EN 62056-31:2000)
- zamijenjena s: HRN EN 62056-3-1:2014

HRN EN 62056-53:2010 en

Mjerenje električne energije – Razmjena podataka za očitavanje brojila i upravljanje tarifom i potrošnjom – 53. dio: Sloj primjene COSEM-a (IEC 62056-53:2006; EN 62056-53:2007)
Electricity metering – Data exchange for meter reading, tariff and load control – Part 53: COSEM application layer (IEC 62056-53:2006; EN 62056-53:2007)
- zamijenjena s: HRN EN 62056-5-3:2014, HRN EN 62056-7-6:2014, HRN EN 62056-9-7:2014

HRN EN 62056-61:2010 en

Mjerenje električne energije – Razmjena podataka za očitavanje brojila i upravljanje tarifom i potrošnjom – 61. dio: Sustav prepoznavanja objekta (OBIS) (IEC 62056-61:2006; EN 62056-61:2007)
Electricity metering – Data exchange for meter reading, tariff and load control – Part 61: Object identification system (OBIS) (IEC 62056-61:2006; EN 62056-61:2007)
- zamijenjena s: HRN EN 62056-6-1:2014

HRN EN 62056-62:2010 en

Mjerenje električne energije – Razmjena podataka za očitavanje brojila i upravljanje tarifom i potrošnjom – 62. dio: Razredi sučelja (IEC 62056-62:2006; EN 62056-62:2007)
Electricity metering – Data exchange for meter reading, tariff and load control – Part 62: Interface classes (IEC 62056-62:2006; EN 62056-62:2007)
- zamijenjena s: HRN EN 62056-6-2:2014

HZN/TO E14, Energetski transformatori

HRN HD 538.1 S1:2008 en

Trofazni suhi distributivni transformatori 50 Hz, od 100 kVA do 2500 kVA za najviši napon opreme koji ne prelazi 36 kV – 1. dio: Opći zahtjevi i zahtjevi za transformatore za najviši napon opreme koji ne prelazi 24 kV (HD 538.1 S1:1992+A1:1995)
Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements and requirements for transformers with highest voltage for equipment not exceeding 24 kV (HD 538.1 S1:1992+A1:1995)
- zamijenjena s: HRN EN 50541-1:2011

HRN HD 538.1 S1:2008/Ispr.1:2014 en

Trofazni suhi distributivni transformatori 50 Hz, od 100 kVA do 2500 kVA za najviši napon opreme koji ne prelazi 36 kV – 1. dio: Opći zahtjevi i zahtjevi za transformatore za najviši napon opreme koji ne prelazi 24 kV (HD 538.1 S1:1992/AC:2011)
Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV – Part 1: General requirements and requirements for transformers with highest voltage for equipment not exceeding 24 kV (HD 538.1 S1:1992/AC:2011)
- bez zamjene

HRN HD 538.2 S1:2008 en

Trofazni suhi distributivni transformatori 50 Hz, od 100 kVA do 2500 kVA za najviši napon opreme koji ne prelazi 36 kV – 2. dio: Dopunski zahtjevi za transformatore za najviši napon opreme 36 kV (HD 538.2 S1:1995)
Three-phase dry-type distribution transformers 50 Hz, from 100 to 2500 kVA, with highest voltage for equipment not exceeding 36 kV – Part 2: Supplementary requirements for transformers with highest voltage for equipment equal to 36 kV (HD 538.2 S1:1995)
- zamijenjena s: HRN EN 50541-1:2011

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN HD 541 S1:2008 en

Metode ispitivanja za određivanje zapaljivosti krutih električkih izolacijskih materijala izloženim električki zagrijanoj žici (IEC 60829:1988, MOD; HD 541 S1:1991)
Methods of test for the determination of the ignitability of solid electrical insulating materials when exposed to electrically heated wire sources (IEC 60829:1988, MOD; HD 541 S1:1991)
- bez zamjene

HRN HD 611.2 S1:2005 en

Upute za određivanje toplinske izdržljivosti električnih izolacijskih materijala – 2. dio: Izbor ispitnih kriterija (IEC 60216-2:1990; HD 611.2 S1:1992)
Guide for the determination of thermal endurance properties of electrical insulating materials – Part 2: Choice of test criteria (IEC 60216-2:1990; HD 611.2 S1:1992)
- zamijenjena s: HRN EN 60216-2:2008

HRN HD 611.4.1 S1:2005 en

Upute za određivanje toplinske izdržljivosti električnih izolacijskih materijala – 4. dio: Peći za starenje – 1. sekcija: Jednokomorne peći (IEC 60216-4-1:1990; HD 611.4.1 S1:1992)
Guide for the determination of thermal endurance properties of electrical insulating materials – Part 4: Ageing ovens – Section 1: Single-chamber ovens (IEC 60216-4-1:1990; HD 611.4.1 S1:1992)
- zamijenjena s: HRN EN 60216-4-1:2008

HRN EN 61212-3-1:2008 en

Izolacijski materijali – Industrijske krute okrugle cijevi i motke izrađene prešanjem slojevitih tehničkih materijala na bazi termoreaktivnih smola za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 1. list: Okrugle cijevi oblikovane namatanjem (IEC 61212-3-1:2006; EN 61212-3-1:2006)
Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 3: Specifications for individual materials – Sheet 1: Round laminated rolled tubes (IEC 61212-3-1:2006; EN 61212-3-1:2006)
- zamijenjena s: HRN EN 61212-3-1:2013

HRN EN 61212-3-2:2008 en
Izolacijski materijali – Industrijske krute okrugle cijevi i motke izrađene prešanjem slojevitih tehničkih materijala na bazi termoreaktivnih smola za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 2. list: Okrugle cijevi oblikovane toplim prešanjem (IEC 61212-3-2:2006; EN 61212-3-2:2006)
Insulating materials – Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes – Part 3: Specifications for individual materials – Sheet 2: Round laminated moulded tubes (IEC 61212-3-2:2006; EN 61212-3-2:2006)
- zamijenjena s: HRN EN 61212-3-2:2013

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN 61439-2:2010 en
Niskonaponski sklopni blokovi – 2. dio: Blokovi za distribuciju (PSC) (IEC 61439-2:2009; EN 61439-2:2009)
Low-voltage switchgear and controlgear assemblies – Part 2: Power switchgear and controlgear assemblies (IEC 61439-2:2009; EN 61439-2:2009)
- zamijenjena s: HRN EN 61439-2:2012

HRN EN 61958:2005 en
Visokonaponski tvornički dogotovljeni sklopni blokovi – Sustavi za indikaciju napona (IEC 61958:2000; EN 61958:2001)
High-voltage prefabricated switchgear and controlgear assemblies – Voltage presence indicating systems (IEC 61958:2000; EN 61958:2001)
- zamijenjena s: HRN EN 62271-206:2012

HRN EN 62271-107:2008 en
Visokonaponska sklopna aparatura – 107. dio: Osigurač-skllopke izmjenične struje za nazivne napone iznad 1 kV do uključujući 52 kV (IEC 62271-107:2005; EN 62271-107:2005)
High-voltage switchgear and controlgear – Part 107: Alternating current fused circuit-switchers for rated voltages above 1 kV up to and including 52 kV (IEC 62271-107:2005; EN 62271-107:2005)
- zamijenjena s: HRN EN 62271-107:2013

HZN/TO E20, Električni kabeli

HRN HD 22.1 S4:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 1. dio: Opći zahtjevi (HD 22.1 S4:2002)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 1: General requirements (HD 22.1 S4:2002)
- zamijenjena s: HRN EN 50525-1:2012

HRN HD 22.3 S4:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 3. dio: Temperaturno otporni kabeli izolirani silikonskom gumom (HD 22.3 S4:2004+A1:2006)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 3: Heat resistant silicone rubber insulated cables (HD 22.3 S4:2004+A1:2006)
- zamijenjena s: HRN EN 50525-2-41:2012

HRN HD 22.4 S4:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 4. dio: Savitljivi kabeli i vodovi (HD 22.4 S4:2004)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 4: Cords and flexible cables (HD 22.4 S4:2004)
- zamijenjena s: HRN EN 50525-2-21:2012

HRN HD 22.6 S2:2001 en
Gumom izolirani kabeli nazivnog napona do 450/750 V – 6. dio: Kabeli za elektrolučno zavarivanje (HD 22.6 S2:1995+A1:1999)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 6: Arc welding cables (HD 22.6 S2:1995+A1:1999)
- zamijenjena s: HRN EN 50525-2-81:2012

HRN HD 22.6 S2:2001/A2:2007 en
Gumom izolirani kabeli nazivnog napona do i uključivo 450/750 V – 6. dio: Kabeli za elektrolučno zavarivanje (HD 22.6 S2:1995/A2:2004)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 6: Arc welding cables (HD 22.6 S2:1995/A2:2004)
- zamijenjena s: HRN EN 50525-2-81:2012

HRN HD 22.7 S2:2001 en
Gumom izolirani kabeli nazivnog napona do 450/750 V – 7. dio: Kabeli povišene toplinske otpornosti za unutrašnje ožičenje za temperature vodiča 110 °C (HD 22.7 S2:1995+A1:1999)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 7: Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C (HD 22.7 S2:1995+A1:1999)
- zamijenjena s: HRN EN 50525-2-42:2012

HRN HD 22.7 S2:2001/A2:2007 en
Gumom izolirani kabeli nazivnog napona do i uključivo 450/750 V – 7. dio: Kabeli povišene temperature otpornosti za unutarnje instalacije za temperature vodiča do 110 °C (HD 22.7 S2:1995/A2:2004)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 7: Cables with increased heat resistance for internal wiring for a conductor temperature of 110 °C (HD 22.7 S2:1995/A2:2004)
- zamijenjena s: HRN EN 50525-2-42:2012

HRN HD 22.8 S2:2001 en
Gumom izolirani kabeli nazivnog napona do 450/750 V – 8. dio: Polikloroprenom ili odgovarajućim elastomerom oplašteni kabeli za ukrasne rasvjetne lance (HD 22.8 S2:1994+A1:1999)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 8: Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains (HD 22.8 S2:1994+A1:1999)
- zamijenjena s: HRN EN 50525-2-82:2012

HRN HD 22.8 S2:2001/A2:2007 en
Gumom izolirani kabeli nazivnog napona do i uključivo 450/750 V – 8. dio: Polikloroprenom ili odgovarajućim sintetičkim elastomerom oplašteni kabeli za ukrasne rasvjetne lance (HD 22.8 S2:1994/A2:2004)
Rubber insulated cables of rated voltages up to and including 450/750 V – Part 8: Polychloroprene or equivalent synthetic elastomer sheathed cable for decorative chains (HD 22.8 S2:1994/A2:2004)
- zamijenjena s: HRN EN 50525-2-82:2012

HRN HD 22.9 S3:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 9. dio: Jednožilni bezhalogeni neoplašteni vodovi, za fiksno ožičenje s niskim odavanjem dima (HD 22.9 S3:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 9: Single core halogen-free non-sheathed cables for fixed wiring having low emission of smoke (HD 22.9 S3:2007)
- zamijenjena s: HRN EN 50525-3-41:2012

HRN HD 22.10 S2:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 10. dio: EVA izolirani i poliuretanom oplašteni savitljivi kabeli (HD 22.10 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 10: EVA insulated and polyurethane sheathed flexible cables (HD 22.10 S2:2007)
- zamijenjena s: HRN EN 50525-2-21:2012

HRN HD 22.11 S2:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 11. dio: EVA savitljivi kabeli i vodovi (HD 22.11 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 11: EVA cords and flexible cables (HD 22.11 S2:2007)
- zamijenjena s: HRN EN 50525-2-21:2012

HRN HD 22.12 S2:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 12. dio: Temperaturno otporni savitljivi kabeli i vodovi izolirani EPR-om (HD 22.12 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 12: Heat resistant EPR cords and flexible cables (HD 22.12 S2:2007)
- zamijenjena s: HRN EN 50525-2-21:2012

HRN HD 22.13 S2:2007 en
Kabeli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 13. dio: Bezhalogeni savitljivi kabeli s niskim odavanjem dima (HD 22.13 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 13: Halogen-free flexible cables having low emission of smoke (HD 22.13 S2:2007)
- zamijenjena s: HRN EN 50525-3-21:2012

HRN HD 22.14 S3:2007 en

Kabli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 14. dio: Vodovi za primjene gdje se traži visoka savitljivost (HD 22.14 S3:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 14: Cords for applications requiring high flexibility (HD 22.14 S3:2007)
- zamijenjena s: HRN EN 50525-2-22:2012

HRN HD 22.15 S2:2007 en

Kabli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 15. dio: Višežilni kabli izolirani i oplášteni temperaturno otpornom silikonskom gumom (HD 22.15 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 15: Multicore cables insulated and sheathed with heat resistant silicone rubber (HD 22.15 S2:2007)
- zamijenjena s: HRN EN 50525-2-83:2012

HRN HD 22.16 S2:2007 en

Kabli nazivnog napona do i uključivo 450/750 V s umreženom izolacijom – 16. dio: Vodootporni polikloroprenom ili odgovarajućim elastomerom oplášteni kabli (HD 22.16 S2:2007)
Cables of rated voltages up to and including 450/750 V and having cross-linked insulation – Part 16: Water resistant polychloroprene or equivalent synthetic elastomer sheathed cables (HD 22.16 S2:2007)
- zamijenjena s: HRN EN 50525-2-21:2012

HZN/TO E31, *Eksplozivne atmosfere*

HRN EN 61241-2-2:2007 en

Električni uređaji za upotrebu u zapaljivoj prašini – 2. dio: Metode ispitivanja – 2. odjeljak: Metoda određivanja električnog otpora prašine u slojevima (IEC 61241-2-2:1993+Corr.:1994; EN 61241-2-2:1995)
Electrical apparatus for use in the presence of combustible dust – Part 2: Test methods – Section 2: Method for determining the electrical resistivity of dust in layers (IEC 61241-2-2:1993+Corr.:1994; EN 61241-2-2:1995)
- zamijenjena s: HRN EN ISO/IEC 80079-20-2:2016

HRN EN 62013-2:2007 en

Kapne svjetiljke za rudnike ugrožene jamskom atmosferom – 2. dio: Pogonska svojstva i drugi sigurnosni zahtjevi (IEC 62013-2:2005; EN 62013-2:2006)
Caplights for use in mines susceptible to firedamp – Part 2: Performance and other safety-related matters (IEC 62013-2:2005; EN 62013-2:2006)
- zamijenjena s: HRN EN 60079-35-2:2012

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

HRN EN 61347-2-2:2008 en

Predspojne naprave – Dio 2-2: Posebni zahtjevi za niskonaponske pretvarače koji se napajaju istosmjernom ili izmjeničnom strujom namijenjene žaruljama sa žarnom niti (IEC 61347-2-2:2000+am1:2005+am2:2006; EN 61347-2-2:2001+A1:2006+A2:2006)
Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down converters for filament lamps (IEC 61347-2-2:2000+am1:2005+am2:2006; EN 61347-2-2:2001+A1:2006+A2:2006)
- zamijenjena s: HRN EN 61347-2-2:2012

HRN EN 61347-2-2:2008/Ispr.1:2012 en

Predspojne naprave – Dio 2-2: Posebni zahtjevi za niskonaponske pretvarače namijenjene žaruljama sa žarnom niti koji se napajaju istosmjernom ili izmjeničnom strujom (EN 61347-2-2:2001/AC:2003)
Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down converters for filament lamps (EN 61347-2-2:2001/AC:2003)
- zamijenjena s: HRN EN 61347-2-2:2012

HRN EN 61347-2-2:2008/Ispr.2:2012 en

Predspojne naprave – Dio 2-2: Posebni zahtjevi za niskonaponske pretvarače namijenjene žaruljama sa žarnom niti koji se napajaju istosmjernom ili izmjeničnom strujom (EN 61347-2-2:2001/A1:2006/AC:2006)
Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down converters for filament lamps (EN 61347-2-2:2001/A1:2006/AC:2006)
- zamijenjena s: HRN EN 61347-2-2:2012

HRN EN 61347-2-2:2008/Ispr.3:2012 en

Predspojne naprave – Dio 2-2: Posebni zahtjevi za niskonaponske pretvarače namijenjene žaruljama sa žarnom niti koji se napajaju istosmjernom ili izmjeničnom strujom (EN 61347-2-2:2001/AC:2010)
Lamp controlgear – Part 2-2: Particular requirements for d.c. or a.c. supplied electronic step-down converters for filament lamps (EN 61347-2-2:2001/AC:2010)
- bez zamjene

HRN EN 61347-2-7:2009 en

Predspojne naprave – Dio 2-7: Posebni zahtjevi za elektroničke prigušnice koje se napajaju istosmjernom strujom, za rasvjetu u slučaju nužde (IEC 61347-2-7:2006; EN 61347-2-7:2006)
Lamp controlgear – Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting (IEC 61347-2-7:2006; EN 61347-2-7:2006)
- zamijenjena s: HRN EN 61347-2-7:2012

HRN EN 61347-2-7:2009/Ispr.1:2012 en

Predspojne naprave – Dio 2-7: Posebni zahtjevi za elektroničke prigušnice koje se napajaju istosmjernom strujom, za rasvjetu u slučaju nužde (EN 61347-2-7:2006/AC:2010)
Lamp controlgear – Part 2-7: Particular requirements for d.c. supplied electronic ballasts for emergency lighting (EN 61347-2-7:2006/AC:2010)
- bez zamjene

HZN/TO E45, *Nuklearna instrumentacija*

HRN HD 432 S1:2005 en

Definicije CAMAC naziva upotrijebljenih u IEC publikacijama (IEC 60678:1980; HD 432 S1:1983)
Definitions of CAMAC terms used in IEC publications (IEC 60678:1980; HD 432 S1:1983)
- bez zamjene

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

HRN EN 61850-3:2008 en

Komunikacijske mreže i sustavi u transformatorskim stanicama – 3. dio: Opći zahtjevi (IEC 61850-3:2002; EN 61850-3:2002)
Communication networks and systems in substations – Part 3: General requirements (IEC 61850-3:2002; EN 61850-3:2002)
- zamijenjena s: HRN EN 61850-3:2015

HRN EN 61850-7-410:2008 en

Komunikacijske mreže i sustavi u transformatorskim stanicama – Dio 7-410: Hidroelektrane – Komunikacije za nadzor i upravljanje (IEC 61850-7-410:2007; EN 61850-7-410:2007)
Communication networks and systems for power utility automation – Part 7-410: Hydroelectric power plants – Communication for monitoring and control (IEC 61850-7-410:2007; EN 61850-7-410:2007)
- zamijenjena s: HRN EN 61850-7-410:2014

HRN EN 61850-8-1:2008 en

Komunikacijske mreže i sustavi u transformatorskim stanicama – Dio 8-1: Pridjeljivanje specifičnih komunikacijskih usluga (SCSM) – Pridjeljivanje u MMS (ISO 9506-1 i ISO 9506-2) i ISO/IEC 8802-3 (IEC 61850-8-1:2004; EN 61850-8-1:2004)
Communication networks and systems in substations – Part 8-1: Specific communication service mapping (SCSM) – Mappings to MMS (ISO 9506-1 and ISO 9506-2) and to ISO/IEC 8802-3 (IEC 61850-8-1:2004; EN 61850-8-1:2004)
- zamijenjena s: HRN EN 61850-8-1:2014

HRN EN 61850-10:2008 en

Komunikacijske mreže i sustavi u transformatorskim stanicama – 10. dio: Ispitivanje sukladnosti (IEC 61850-10:2005; EN 61850-10:2005)
Communication networks and systems in substations – Part 10: Conformance testing (IEC 61850-10:2005; EN 61850-10:2005)
- zamijenjena s: HRN EN 61850-10:2014

HRN EN 61970-301:2013 en

Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 301. dio: Osnove zajedničkog modela podataka (CIM) (IEC 61970-301:2011; EN 61970-301:2011)
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2011; EN 61970-301:2011)
- zamijenjena s: HRN EN 61970-301:2014

HRN EN 61970-301:2014 en
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 301. dio: Osnove zajedničkog modela podataka (CIM) (IEC 61970-301:2013; EN 61970-301:2013)
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2013; EN 61970-301:2013)
- zamijenjena s: HRN EN 61970-301:2015

HRN IEC 61158-2:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2007)
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition (IEC 61158-2:2007)
- zamijenjena s: HRN EN 61158-2:2010

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN 61674/A1:2003 en
Medicinska električna oprema – Dozimetri s ionizacijskim komorama i/ili poluvodičkim detektorima koji se upotrebljavaju pri dobivanju rendgenskih dijagnostičkih slika (IEC 61674:1997/am1:2002; EN 61674:1997/A1:2002)
Medical electrical equipment – Dosimeters with ionization chambers and/or semi-conductor detectors as used in X-ray diagnostic imaging (IEC 61674:1997/am1:2002; EN 61674:1997/A1:2002)
- zamijenjena s: HRN EN 61674:2013

HRN EN 61674:2000 en
Medicinski električni uređaji – Dozimetri s ionizacijskim komorama i/ili poluvodičkim detektorima koji se upotrebljavaju u rendgenskoj dijagnostici (IEC 61674:1997; EN 61674:1997)
Medical electrical equipment – Dosimeters with ionization chambers and/or semi-conductor detectors as used in x-ray diagnosis imaging (IEC 61674:1997; EN 61674:1997)
- zamijenjena s: HRN EN 61674:2013

HRN EN 61675-1:2000 en
Radionuklidne naprave za snimanje – Značajke i ispitni uvjeti – 1. dio: Pozitronski emisijski tomografi (IEC 61675-1:1998; EN 61675-1:1998)
Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs (IEC 61675-1:1998; EN 61675-1:1998)
- zamijenjena s: HRN EN 61675-1:2014

HRN EN 61675-1:2000/A1:2008 en
Radionuklidne naprave za snimanje – Značajke i ispitni uvjeti – 1. dio: Pozitronski emisijski tomografi (IEC 61675-1:1998/am1:2008; EN 61675-1:1998/A1:2008)
Radionuclide imaging devices – Characteristics and test conditions – Part 1: Positron emission tomographs (IEC 61675-1:1998/am1:2008; EN 61675-1:1998/A1:2008)
- zamijenjena s: HRN EN 61675-1:2014

HRN EN 61158-2:2010 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2007; EN 61158-2:2008)
Industrial communication networks – Fieldbus specifications – Part 2: Physical layer specification and service definition (IEC 61158-2:2007; EN 61158-2:2008)
- zamijenjena s: HRN EN 61158-2:2011

HRN EN 61158-3-12:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 3-12: Definicija usluge sloja podatkovne veze OSI referentnog modela – Elementi tipa 12 (IEC 61158-3-12:2007; EN 61158-3-12:2008)
Industrial communication networks – Fieldbus specifications – Part 3-12: Data-link layer service definition – Type 12 elements (IEC 61158-3-12:2007; EN 61158-3-12:2008)
- zamijenjena s: HRN EN 61158-3-12:2013

HRN EN 61158-3-14:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 3-14: Definicija usluge sloja podatkovne veze OSI referentnog modela – Elementi tipa 14 (IEC 61158-3-14:2007; EN 61158-3-14:2008)
Industrial communication networks – Fieldbus specifications – Part 3-14: Data-link layer service definition – Type 14 elements (IEC 61158-3-14:2007; EN 61158-3-14:2008)
- zamijenjena s: HRN EN 61158-3-14:2013

HRN EN 61158-3-19:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 3-19: Definicija usluge sloja podatkovne veze OSI referentnog modela – Elementi tipa 19 (IEC 61158-3-19:2007; EN 61158-3-19:2008)
Industrial communication networks – Fieldbus specifications – Part 3-19: Data-link layer service definition – Type 19 elements (IEC 61158-3-19:2007; EN 61158-3-19:2008)
- zamijenjena s: HRN EN 61158-3-19:2013

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

HRN HD 446.3 S1:2008 en
Termoparovi – 3. dio: Produženje i kompenzacijski kabeli – Tolerancija i identifikacijski sustav (IEC 60584-3:1989, MOD; HD 446.3 S1:1993)
Thermocouples – Part 3: Extension and compensating cables – Tolerances and identification system (IEC 60584-3:1989, MOD; HD 446.3 S1:1993)
- zamijenjena s: HRN EN 60584-3:2008

HRN EN 61131-2:2008 en
Programirajući regulatori – 2. dio: Zahtjevi na opremu i ispitivanje (IEC 61131-2:2003; EN 61131-2:2003+AC:2003)
Programmable controllers – Part 2: Equipment requirements and tests (IEC 61131-2:2003; EN 61131-2:2003+AC:2003)
- zamijenjena s: HRN EN 61131-2:2009

HRN EN 61131-3:2008 en
Programirajući regulatori – 3. dio: Programski jezici (IEC 61131-3:2003; EN 61131-3:2003)
Programmable controllers – Part 3: Programming languages (IEC 61131-3:2003; EN 61131-3:2003)
- zamijenjena s: HRN EN 61131-3:2014

HRN EN 61158-2:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – Industrijska sabirnica (fieldbus) za uporabu u industrijskim sustavima vođenja – 2. dio: Specifikacija fizičkog sloja OSI referentnog modela i definicija usluge (IEC 61158-2:2003+Corr.1:2004; EN 61158-2:2004)
Digital data communications for measurement and control – Fieldbus for use in industrial control systems – Part 2: Physical layer specification and service definition (IEC 61158-2:2003+Corr.1:2004; EN 61158-2:2004)
- zamijenjena s: HRN EN 61158-2:2010

HRN EN 61158-3:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – Industrijska sabirnica (fieldbus) za uporabu u industrijskim sustavima vođenja – 3. dio: Definicija usluge podatkovne veze OSI referentnog modela (IEC 61158-3:2003; EN 61158-3:2004)
Digital data communication for measurement and control – Fieldbus for use in industrial control systems – Part 3: Data link service definition (IEC 61158-3:2003; EN 61158-3:2004)
- zamijenjena s: HRN EN 61158-3-1:2008, HRN EN 61158-3-11:2008, HRN EN 61158-3-12:2008, HRN EN 61158-3-13:2008, HRN EN 61158-3-14:2008, HRN EN 61158-3-16:2008, HRN EN 61158-3-17:2008, HRN EN 61158-3-18:2008, HRN EN 61158-3-19:2008, HRN EN 61158-3-2:2008, HRN EN 61158-3-3:2008, HRN EN 61158-3-4:2008, HRN EN 61158-3-7:2008, HRN EN 61158-3-8:2008

HRN EN 61158-4-11:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-11: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 11 (IEC 61158-4-11:2007; EN 61158-4-11:2008)
Industrial communication networks – Fieldbus specifications – Part 4-11: Data-link layer protocol specification – Type 11 elements (IEC 61158-4-11:2007; EN 61158-4-11:2008)
- zamijenjena s: HRN EN 61158-4-11:2013

HRN EN 61158-4-12:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-12: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 12 (IEC 61158-4-12:2007; EN 61158-4-12:2008)
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements (IEC 61158-4-12:2007; EN 61158-4-12:2008)
- zamijenjena s: HRN EN 61158-4-12:2013

- HRN EN 61158-4-12:2013 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-12: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 12 (IEC 61158-4-12:2010; EN 61158-4-12:2012)
Industrial communication networks – Fieldbus specifications – Part 4-12: Data-link layer protocol specification – Type 12 elements (IEC 61158-4-12:2010; EN 61158-4-12:2012)
- zamijenjena s: HRN EN 61158-4-12:2015
- HRN EN 61158-4-14:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-14: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 14 (IEC 61158-4-14:2007; EN 61158-4-14:2008)
Industrial communication networks – Fieldbus specifications – Part 4-14: Data-link layer protocol specification – Type 14 elements (IEC 61158-4-14:2007; EN 61158-4-14:2008)
- zamijenjena s: HRN EN 61158-4-14:2013
- HRN EN 61158-4-18:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-18: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 18 (IEC 61158-4-18:2007; EN 61158-4-18:2008)
Industrial communication networks – Fieldbus specifications – Part 4-18: Data-link layer protocol specification – Type 18 elements (IEC 61158-4-18:2007; EN 61158-4-18:2008)
- zamijenjena s: HRN EN 61158-4-18:2013
- HRN EN 61158-4-19:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-19: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 19 (IEC 61158-4-19:2007; EN 61158-4-19:2008)
Industrial communication networks – Fieldbus specifications – Part 4-19: Data-link layer protocol specification – Type 19 elements (IEC 61158-4-19:2007; EN 61158-4-19:2008)
- zamijenjena s: HRN EN 61158-4-19:2013
- HRN EN 61158-4:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – Industrijska sabirnica (fieldbus) za uporabu u industrijskim sustavima vođenja – 4. dio: Specifikacija protokola podatkovne veze OSI referentnog modela (IEC 61158-4:2003+Corr.1:2004; EN 61158-4:2004)
Digital data communication for measurement and control – Fieldbus for use in industrial control systems – Part 4: Data link protocol specification (IEC 61158-4:2003+Corr.1:2004; EN 61158-4:2004)
- zamijenjena s: HRN EN 61158-4-1:2008, HRN EN 61158-4-11:2008, HRN EN 61158-4-12:2008, HRN EN 61158-4-13:2008, HRN EN 61158-4-14:2008, HRN EN 61158-4-16:2008, HRN EN 61158-4-17:2008, HRN EN 61158-4-18:2008, HRN EN 61158-4-19:2008, HRN EN 61158-4-2:2008, HRN EN 61158-4-3:2008, HRN EN 61158-4-4:2008, HRN EN 61158-4-7:2008, HRN EN 61158-4-8:2008
- HRN EN 61158-4-2:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-2: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 2 (IEC 61158-4-2:2007; EN 61158-4-2:2008)
Industrial communication networks – Fieldbus specifications – Part 4-2: Data-link layer protocol specification – Type 2 elements (IEC 61158-4-2:2007; EN 61158-4-2:2008)
- zamijenjena s: HRN EN 61158-4-2:2013
- HRN EN 61158-4-3:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 4-3: Specifikacija protokola sloja podatkovne veze OSI referentnog modela – Elementi tipa 3 (IEC 61158-4-3:2007; EN 61158-4-3:2008)
Industrial communication networks – Fieldbus specifications – Part 4-3: Data-link layer protocol specification – Type 3 elements (IEC 61158-4-3:2007; EN 61158-4-3:2008)
- zamijenjena s: HRN EN 61158-4-3:2013
- HRN EN 61158-5-10:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-10: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 10 (IEC 61158-5-10:2007; EN 61158-5-10:2008)
Industrial communication networks – Fieldbus specifications – Part 5-10: Application layer service definition – Type 10 elements (IEC 61158-5-10:2007; EN 61158-5-10:2008)
- zamijenjena s: HRN EN 61158-5-10:2013
- HRN EN 61158-5-12:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-12: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 12 (IEC 61158-5-12:2007; EN 61158-5-12:2008)
Industrial communication networks – Fieldbus specifications – Part 5-12: Application layer service definition – Type 12 elements (IEC 61158-5-12:2007; EN 61158-5-12:2008)
- zamijenjena s: HRN EN 61158-5-12:2013
- HRN EN 61158-5-14:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-14: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 14 (IEC 61158-5-14:2007; EN 61158-5-14:2008)
Industrial communication networks – Fieldbus specifications – Part 5-14: Application layer service definition – Type 14 elements (IEC 61158-5-14:2007; EN 61158-5-14:2008)
- zamijenjena s: HRN EN 61158-5-14:2013
- HRN EN 61158-5-15:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-15: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 15 (IEC 61158-5-15:2007; EN 61158-5-15:2008)
Industrial communication networks – Fieldbus specifications – Part 5-15: Application layer service definition – Type 15 elements (IEC 61158-5-15:2007; EN 61158-5-15:2008)
- zamijenjena s: HRN EN 61158-5-15:2013
- HRN EN 61158-5-18:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-18: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 18 (IEC 61158-5-18:2007; EN 61158-5-18:2008)
Industrial communication networks – Fieldbus specifications – Part 5-18: Application layer service definition – Type 18 elements (IEC 61158-5-18:2007; EN 61158-5-18:2008)
- zamijenjena s: HRN EN 61158-5-18:2013
- HRN EN 61158-5-19:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-19: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 19 (IEC 61158-5-19:2007; EN 61158-5-19:2008)
Industrial communication networks – Fieldbus specifications – Part 5-19: Application layer service definition – Type 19 elements (IEC 61158-5-19:2007; EN 61158-5-19:2008)
- zamijenjena s: HRN EN 61158-5-19:2013
- HRN EN 61158-5:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – Industrijska sabirnica (fieldbus) za uporabu u industrijskim sustavima vođenja – 5. dio: Definicija usluge aplikacijskog sloja OSI referentnog modela (IEC 61158-5:2003+Corr.1:2004; EN 61158-5:2004)
Digital data communication for measurement and control – Fieldbus for use in industrial control systems – Part 5: Application layer service definition (IEC 61158-5:2003+Corr.1:2004; EN 61158-5:2004)
- zamijenjena s: HRN EN 61158-5-10:2008, HRN EN 61158-5-11:2008, HRN EN 61158-5-12:2008, HRN EN 61158-5-13:2008, HRN EN 61158-5-14:2008, HRN EN 61158-5-15:2008, HRN EN 61158-5-16:2008, HRN EN 61158-5-17:2008, HRN EN 61158-5-18:2008, HRN EN 61158-5-19:2008, HRN EN 61158-5-2:2008, HRN EN 61158-5-20:2008, HRN EN 61158-5-3:2008, HRN EN 61158-5-4:2008, HRN EN 61158-5-5:2008, HRN EN 61158-5-7:2008, HRN EN 61158-5-8:2008, HRN EN 61158-5-9:2008
- HRN EN 61158-5-20:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-20: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 20 (IEC 61158-5-20:2007; EN 61158-5-20:2008)
Industrial communication networks – Fieldbus specifications – Part 5-20: Application layer service definition – Type 20 elements (IEC 61158-5-20:2007; EN 61158-5-20:2008)
- zamijenjena s: HRN EN 61158-5-20:2013
- HRN EN 61158-5-2:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-2: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 2 (IEC 61158-5-2:2007; EN 61158-5-2:2008)
Industrial communication networks – Fieldbus specifications – Part 5-2: Application layer service definition – Type 2 elements (IEC 61158-5-2:2007; EN 61158-5-2:2008)
- zamijenjena s: HRN EN 61158-5-2:2013

- HRN EN 61158-5-3:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-3: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa 3 (IEC 61158-5-3:2007; EN 61158-5-3:2008)
Industrial communication networks – Fieldbus specifications – Part 5-3: Application layer service definition – Type 3 elements (IEC 61158-5-3:2007; EN 61158-5-3:2008)
- zamijenjena s: HRN EN 61158-5-3:2013
- HRN EN 61158-6-10:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-10: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 10 (IEC 61158-6-10:2007; EN 61158-6-10:2008)
Industrial communication networks – Fieldbus specifications – Part 6-10: Application layer protocol specification – Type 10 elements (IEC 61158-6-10:2007; EN 61158-6-10:2008)
- zamijenjena s: HRN EN 61158-6-10:2013
- HRN EN 61158-6-12:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-12: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 12 (IEC 61158-6-12:2007; EN 61158-6-12:2008)
Industrial communication networks – Fieldbus specifications – Part 6-12: Application layer protocol specification – Type 12 elements (IEC 61158-6-12:2007; EN 61158-6-12:2008)
- zamijenjena s: HRN EN 61158-6-12:2013
- HRN EN 61158-6-14:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-14: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 14 (IEC 61158-6-14:2007; EN 61158-6-14:2008)
Industrial communication networks – Fieldbus specifications – Part 6-14: Application layer protocol specification – Type 14 elements (IEC 61158-6-14:2007; EN 61158-6-14:2008)
- zamijenjena s: HRN EN 61158-6-14:2013
- HRN EN 61158-6-15:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-15: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 15 (IEC 61158-6-15:2007; EN 61158-6-15:2008)
Industrial communication networks – Fieldbus specifications – Part 6-15: Application layer protocol specification – Type 15 elements (IEC 61158-6-15:2007; EN 61158-6-15:2008)
- zamijenjena s: HRN EN 61158-6-15:2013
- HRN EN 61158-6-18:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-18: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 18 (IEC 61158-6-18:2007; EN 61158-6-18:2008)
Industrial communication networks – Fieldbus specifications – Part 6-18: Application layer protocol specification – Type 18 elements (IEC 61158-6-18:2007; EN 61158-6-18:2008)
- zamijenjena s: HRN EN 61158-6-18:2013
- HRN EN 61158-6-19:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-19: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 19 (IEC 61158-6-19:2007; EN 61158-6-19:2008)
Industrial communication networks – Fieldbus specifications – Part 6-19: Application layer protocol specification – Type 19 elements (IEC 61158-6-19:2007; EN 61158-6-19:2008)
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- HRN EN 61158-6:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – Industrijska sabirnica (fieldbus) za uporabu u industrijskim sustavima vođenja – 6. dio: Specifikacija protokola aplikacijskog sloja OSI referentnog modela (IEC 61158-6:2003+Corr.1:2004; EN 61158-6:2004)
Digital data communication for measurement and control – Fieldbus for use in industrial control systems – Part 6: Application layer protocol specification (IEC 61158-6:2003+Corr.1:2004; EN 61158-6:2004)
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- HRN EN 61158-6-20:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-20: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 20 (IEC 61158-6-20:2007; EN 61158-6-20:2008)
Industrial communication networks – Fieldbus specifications – Part 6-20: Application layer protocol specification – Type 20 elements (IEC 61158-6-20:2007; EN 61158-6-20:2008)
- zamijenjena s: HRN EN 61158-6-20:2013
- HRN EN 61158-6-2:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-2: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 2 (IEC 61158-6-2:2007; EN 61158-6-2:2008)
Industrial communication networks – Fieldbus specifications – Part 6-2: Application layer protocol specification – Type 2 elements (IEC 61158-6-2:2007; EN 61158-6-2:2008)
- zamijenjena s: HRN EN 61158-6-2:2013
- HRN EN 61158-6-3:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-3: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 3 (IEC 61158-6-3:2007; EN 61158-6-3:2008)
Industrial communication networks – Fieldbus specifications – Part 6-3: Application layer protocol specification – Type 3 elements (IEC 61158-6-3:2007; EN 61158-6-3:2008)
- zamijenjena s: HRN EN 61158-6-3:2013
- HRN EN 61158-6-9:2008 en
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-9: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa 9 (IEC 61158-6-9:2007; EN 61158-6-9:2008)
Industrial communication networks – Fieldbus specifications – Part 6-9: Application layer protocol specification – Type 9 elements (IEC 61158-6-9:2007; EN 61158-6-9:2008)
- zamijenjena s: HRN EN 61158-6-9:2013
- HRN EN 61207-1:2008 en
Izražavanje djelovanja plinskih analizatora – 1. dio: Općenito (IEC 61207-1:1994; EN 61207-1:1994)
Expression of performance of gas analyzers – Part 1: General (IEC 61207-1:1994; EN 61207-1:1994)
- zamijenjena s: HRN EN 61207-1:2011
- HRN EN 61298-1:2008 en
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 1. dio: Opće pretpostavke (IEC 61298-1:1995; EN 61298-1:1995)
Process measurement and control devices – General methods and procedures for evaluating performance – Part 1: General considerations (IEC 61298-1:1995; EN 61298-1:1995)
- zamijenjena s: HRN EN 61298-1:2010
- HRN EN 61298-2:2008 en
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 2. dio: Ispitivanja pri referentnim uvjetima (IEC 61298-2:1995; EN 61298-2:1995)
Process measurement and control devices – General methods and procedures for evaluating performance – Part 2: Tests under reference conditions (IEC 61298-2:1995; EN 61298-2:1995)
- zamijenjena s: HRN EN 61298-2:2010
- HRN EN 61298-3:2008 en
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 3. dio: Ispitivanja učinaka utjecajnih veličina (IEC 61298-3:1998; EN 61298-3:1998)
Process measurement and control devices – General methods and procedures for evaluating performance – Part 3: Tests for the effects of influence quantities (IEC 61298-3:1998; EN 61298-3:1998)
- zamijenjena s: HRN EN 61298-3:2010
- HRN EN 61298-4:2008 en
Uređaji za procesno mjerenje i vođenje – Opće metode i postupci ocjenjivanja djelovanja – 4. dio: Sadržaj izvještaja o ocjenjivanju (IEC 61298-4:1995; EN 61298-4:1995)
Process measurement and control devices – General methods and procedures for evaluating performance – Part 4: Evaluation report content (IEC 61298-4:1995; EN 61298-4:1995)
- zamijenjena s: HRN EN 61298-4:2010

- HRN EN 61326-1:2008 en
Električna oprema za mjerenje, vođenje i laboratorijsku uporabu – Zahtjevi za elektromagnetsku kompatibilnost (EMC) – 1. dio: Opći zahtjevi (IEC 61326-1:2005+Corr.1:2008; EN 61326-1:2006)
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements (IEC 61326-1:2005+Corr.1:2008; EN 61326-1:2006)
- zamijenjena s: HRN EN 61326-1:2013
- HRN EN 61326-2-3:2008 en
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 61326-2-3:2006; EN 61326-2-3:2006)
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 61326-2-3:2006; EN 61326-2-3:2006)
- zamijenjena s: HRN EN 61326-2-3:2013
- HRN EN 61326-2-4:2008 en
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 61326-2-4:2006; EN 61326-2-4:2006)
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 61326-2-4:2006; EN 61326-2-4:2006)
- zamijenjena s: HRN EN 61326-2-4:2013
- HRN EN 61326-2-6:2008 en
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 61326-2-6:2005+Corr.1:2007; EN 61326-2-6:2006)
Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment (IEC 61326-2-6:2005+Corr.1:2007; EN 61326-2-6:2006)
- zamijenjena s: HRN EN 61326-2-6:2013
- HRN EN 61499-1:2008 en
Funkcijski blokovi – 1. dio: Arhitektura (IEC 61499-1:2005; EN 61499-1:2005)
Function blocks – Part 1: Architecture (IEC 61499-1:2005; EN 61499-1:2005)
- zamijenjena s: HRN EN 61499-1:2013
- HRN EN 61499-2:2008 en
Funkcijski blokovi – 2. dio: Zahtjevi za softverske alate (IEC 61499-2:2005; EN 61499-2:2005)
Function blocks – Part 2: Software tools requirements (IEC 61499-2:2005; EN 61499-2:2005)
- zamijenjena s: HRN EN 61499-2:2013
- HRN EN 61499-4:2008 en
Funkcijski blokovi – 4. dio: Pravila za profile za usklađivanje (IEC 61499-4:2005; EN 61499-4:2006)
Function blocks – Part 4: Rules for compliance profiles (IEC 61499-4:2005; EN 61499-4:2006)
- zamijenjena s: HRN EN 61499-4:2013
- HRN EN 61508-1:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 1. dio: Opći zahtjevi (IEC 61508-1:1998+Corr.1:1999; EN 61508-1:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 1: General requirements (IEC 61508-1:1998+Corr.1:1999; EN 61508-1:2001)
- zamijenjena s: HRN EN 61508-1:2010
- HRN EN 61508-2:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 2. dio: Zahtjevi za električne/elektroničke/programirljive elektroničke sigurnosne sustave (IEC 61508-2:2000; EN 61508-2:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems (IEC 61508-2:2000; EN 61508-2:2001)
- zamijenjena s: HRN EN 61508-2:2010
- HRN EN 61508-3:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 3. dio: Zahtjevi za softver (IEC 61508-3:1998+Corr.1:1999; EN 61508-3:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software requirements (IEC 61508-3:1998+Corr.1:1999; EN 61508-3:2001)
- zamijenjena s: HRN EN 61508-3:2010
- HRN EN 61508-4:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 4. dio: Definicije i kratice (IEC 61508-4:1998+Corr.1:1999; EN 61508-4:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (IEC 61508-4:1998+Corr.1:1999; EN 61508-4:2001)
- zamijenjena s: HRN EN 61508-4:2010
- HRN EN 61508-5:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 5. dio: Primjeri metoda za određivanje razina nepovredivosti sigurnosti (IEC 61508-5:1998+Corr.1:1999; EN 61508-5:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: Examples of methods for the determination of safety integrity levels (IEC 61508-5:1998+Corr.1:1999; EN 61508-5:2001)
- zamijenjena s: HRN EN 61508-5:2010
- HRN EN 61508-6:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 6. dio: Upute o primjeni IEC 61508-2 i IEC 61508-3 (IEC 61508-6:2000; EN 61508-6:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (IEC 61508-6:2000; EN 61508-6:2001)
- zamijenjena s: HRN EN 61508-6:2010
- HRN EN 61508-7:2008 en
Funkcionalna sigurnost električnih/elektroničkih/programirljivih elektroničkih sigurnosnih sustava – 7. dio: Pregled tehnika i mjera (IEC 61508-7:2000; EN 61508-7:2001)
Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (IEC 61508-7:2000; EN 61508-7:2001)
- zamijenjena s: HRN EN 61508-7:2010
- HRN EN 61514-2:2008 en
Sustavi za vođenje industrijskih procesa – 2. dio: Metode ocjenjivanja djelovanja inteligentnih postavnika ventila s pneumatskim izlazima (IEC 61514-2:2004; EN 61514-2:2004)
Industrial process control systems – Part 2: Methods of evaluating the performance of intelligent valve positioners with pneumatic outputs (IEC 61514-2:2004; EN 61514-2:2004)
- zamijenjena s: HRN EN 61514-2:2014
- HRN EN 61784-1:2008 en
Digitalni prijenos podataka za mjerenje i vođenje – 1. dio: Skupovi profila za kontinuiranu i diskretnu proizvodnju povezanu s uporabom industrijske sabirnice (fieldbus) u industrijskim sustavima vođenja (IEC 61784-1:2003+Corr.1:2004; EN 61784-1:2004+AC:2004)
Digital data communications for measurement and control – Part 1: Profile sets for continuous and discrete manufacturing relative to fieldbus use in industrial control systems (IEC 61784-1:2003+Corr.1:2004; EN 61784-1:2004+AC:2004)
- zamijenjena s: HRN EN 61784-1:2009
- HRN EN 61784-1:2009 en
Industrijske komunikacijske mreže – Profili – 1. dio: Profili industrijske sabirnice (fieldbus) (IEC 61784-1:2007; EN 61784-1:2008)
Industrial communication networks – Profiles – Part 1: Fieldbus profiles (IEC 61784-1:2007; EN 61784-1:2008)
- zamijenjena s: HRN EN 61784-1:2011
- HRN EN 61784-2:2008 en
Industrijske komunikacijske mreže – Profili – 2. dio: Dodatni profili industrijske sabirnice (fieldbus) za mreže u realnom vremenu temeljene na ISO/IEC 8802-3 (IEC 61784-2:2007; EN 61784-2:2008)
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3 (IEC 61784-2:2007; EN 61784-2:2008)
- zamijenjena s: HRN EN 61784-2:2011

- HRN EN 61784-3-1:2008 en
Industrijske komunikacijske mreže – Profili – Dio 3-1: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 1 (IEC 61784-3-1:2007; EN 61784-3-1:2008)
Industrial communication networks – Profiles – Part 3-1: Functional safety fieldbuses – Additional specifications for CPF 1 (IEC 61784-3-1:2007; EN 61784-3-1:2008)
- zamijenjena s: HRN EN 61784-3-1:2011
- HRN EN 61784-3:2008 en
Industrijske komunikacijske mreže – Profili – 3. dio: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Opća pravila i definicije profila (IEC 61784-3:2007; EN 61784-3:2008)
Industrial communication networks – Profiles – Part 3: Functional safety fieldbuses – General rules and profile definitions (IEC 61784-3:2007; EN 61784-3:2008)
- zamijenjena s: HRN EN 61784-3:2011
- HRN EN 61784-3-2:2008 en
Industrijske komunikacijske mreže – Profili – Dio 3-2: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 2 (IEC 61784-3-2:2007; EN 61784-3-2:2008)
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2007; EN 61784-3-2:2008)
- zamijenjena s: HRN EN 61784-3-2:2011
- HRN EN 61784-3-3:2008 en
Industrijske komunikacijske mreže – Profili – Dio 3-3: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 3 (IEC 61784-3-3:2007; EN 61784-3-3:2008)
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2007; EN 61784-3-3:2008)
- zamijenjena s: HRN EN 61784-3-3:2011
- HRN EN 61784-3-6:2008 en
Industrijske komunikacijske mreže – Profili – Dio 3-6: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 6 (IEC 61784-3-6:2007; EN 61784-3-6:2008)
Industrial communication networks – Profiles – Part 3-6: Functional safety fieldbuses – Additional specifications for CPF 6 (IEC 61784-3-6:2007; EN 61784-3-6:2008)
- zamijenjena s: HRN EN 61784-3-6:2011
- HRN EN 61784-5-10:2008 en
Industrijske komunikacijske mreže – Profili – Dio 5-10: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 10 (IEC 61784-5-10:2007; EN 61784-5-10:2008)
Industrial communication networks – Profiles – Part 5-10: Installation of fieldbuses – Installation profiles for CPF 10 (IEC 61784-5-10:2007; EN 61784-5-10:2008)
- zamijenjena s: HRN EN 61784-5-10:2012
- HRN EN 61784-5-11:2008 en
Industrijske komunikacijske mreže – Profili – Dio 5-11: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 11 (IEC 61784-5-11:2007; EN 61784-5-11:2008)
Industrial communication networks – Profiles – Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11 (IEC 61784-5-11:2007; EN 61784-5-11:2008)
- zamijenjena s: HRN EN 61784-5-11:2012
- HRN EN 61784-5-11:2012 en
Industrijske komunikacijske mreže – Profili – Dio 5-11: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 11 (IEC 61784-5-11:2010; EN 61784-5-11:2012)
Industrial communication networks – Profiles – Part 5-11: Installation of fieldbuses – Installation profiles for CPF 11 (IEC 61784-5-11:2010; EN 61784-5-11:2012)
- zamijenjena s: HRN EN 61784-5-11:2014
- HRN EN 61784-5-14:2012 en
Industrijske komunikacijske mreže – Profili – Dio 5-14: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 14 (IEC 61784-5-14:2010; EN 61784-5-14:2012)
Industrial communication networks – Profiles – Part 5-14: Installation of fieldbuses – Installation profiles for CPF 14 (IEC 61784-5-14:2010; EN 61784-5-14:2012)
- zamijenjena s: HRN EN 61784-5-14:2014
- HRN EN 61784-5-2:2008 en
Industrijske komunikacijske mreže – Profili – Dio 5-2: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 2 (IEC 61784-5-2:2007; EN 61784-5-2:2008)
Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2 (IEC 61784-5-2:2007; EN 61784-5-2:2008)
- zamijenjena s: HRN EN 61784-5-2:2012
- HRN EN 61784-5-2:2012 en
Industrijske komunikacijske mreže – Profili – Dio 5-2: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 2 (IEC 61784-5-2:2010; EN 61784-5-2:2012)
Industrial communication networks – Profiles – Part 5-2: Installation of fieldbuses – Installation profiles for CPF 2 (IEC 61784-5-2:2010; EN 61784-5-2:2012)
- zamijenjena s: HRN EN 61784-5-2:2014
- HRN EN 61784-5-3:2008 en
Industrijske komunikacijske mreže – Profili – Dio 5-3: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 3 (IEC 61784-5-3:2007; EN 61784-5-3:2008)
Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2007; EN 61784-5-3:2008)
- zamijenjena s: HRN EN 61784-5-3:2012
- HRN EN 61784-5-3:2012 en
Industrijske komunikacijske mreže – Profili – Dio 5-3: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 3 (IEC 61784-5-3:2010; EN 61784-5-3:2012)
Industrial communication networks – Profiles – Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3 (IEC 61784-5-3:2010; EN 61784-5-3:2012)
- zamijenjena s: HRN EN 61784-5-3:2014
- HRN EN 61784-5-6:2008 en
Industrijske komunikacijske mreže – Profili – Dio 5-6: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 6 (IEC 61784-5-6:2007; EN 61784-5-6:2008)
Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6 (IEC 61784-5-6:2007; EN 61784-5-6:2008)
- zamijenjena s: HRN EN 61784-5-6:2012
- HRN EN 61784-5-6:2012 en
Industrijske komunikacijske mreže – Profili – Dio 5-6: Instalacija industrijskih sabirnica (fieldbus) – Instalacijski profili za CPF 6 (IEC 61784-5-6:2010; EN 61784-5-6:2012)
Industrial communication networks – Profiles – Part 5-6: Installation of fieldbuses – Installation profiles for CPF 6 (IEC 61784-5-6:2010; EN 61784-5-6:2012)
- zamijenjena s: HRN EN 61784-5-6:2014
- HRN EN 61804-2:2008 en
Funkcijski blokovi (FB) za vođenje procesa – 2. dio: Specifikacija koncepcije funkcijskih blokova i jezika za opis elektroničkih uređaja (EDDL) (IEC 61804-2:2004; EN 61804-2:2004)
Function Blocks (FB) for process control – Part 2: Specification of FB concept and Electronic Device Description Language (EDDL) (IEC 61804-2:2004; EN 61804-2:2004)
- zamijenjena s: HRN EN 61804-2:2010
- HRN IEC 61804-2:2008 en
Funkcijski blokovi (FB) za vođenje procesa – 2. dio: Specifikacija koncepcije funkcijskih blokova (IEC 61804-2:2006)
Function blocks (FB) for process control – Part 2: Specification of FB concept (IEC 61804-2:2006)
- zamijenjena s: HRN EN 61804-2:2010
- HRN EN 62264-1:2008 en
Integracija sustava za vođenje poduzeća – 1. dio: Modeli i nazivlje (IEC 62264-1:2003; EN 62264-1:2008)
Enterprise-control system integration – Part 1: Models and terminology (IEC 62264-1:2003; EN 62264-1:2008)
- zamijenjena s: HRN EN 62264-1:2014
- HRN EN 62264-2:2008 en
Integracija sustava za vođenje poduzeća – 2. dio: Značajke modela objekta (IEC 62264-2:2004; EN 62264-2:2008)
Enterprise-control system integration – Part 2: Object model attributes (IEC 62264-2:2004; EN 62264-2:2008)
- zamijenjena s: HRN EN 62264-2:2014

HRN EN 62337:2008 en

Preuzimanje električnih sustava, instrumentacijskih sustava i sustava za vođenje u procesnoj industriji – Specifične faze i kontrolne točke (IEC 62337:2006; EN 62337:2007)
Commissioning of electrical, instrumentation and control systems in the process industry – Specific phases and milestones (IEC 62337:2006; EN 62337:2007)
- zamijenjena s: HRN EN 62337:2014

HRN EN 62381:2008 en

Sustavi automatizacije u procesnoj industriji – Test tvorničkog preuzimanja (FAT), test preuzimanja na gradilištu (SAT) i test ugradnje na gradilištu (SIT) (IEC 62381:2006; EN 62381:2007)
Automation systems in the process industry – Factory acceptance test (FAT), site acceptance test (SAT) and site integration test (SIT) (IEC 62381:2006; EN 62381:2007)
- zamijenjena s: HRN EN 62381:2014

HRN EN 62382:2008 en

Provjera električne i instrumentacijske petlje (IEC 62382:2006; EN 62382:2007)
Electrical and instrumentation loop check (IEC 62382:2006; EN 62382:2007)
- zamijenjena s: HRN EN 62382:2014

HRN EN 62439:2008 en

Automacijske mreže velike raspoloživosti (IEC 62439:2008; EN 62439:2008)
High availability automation networks (IEC 62439:2008; EN 62439:2008)
- zamijenjena s: HRN EN 62439-1:2011, HRN EN 62439-2:2011, HRN EN 62439-3:2011, HRN EN 62439-4:2011, HRN EN 62439-5:2011, HRN EN 62439-6:2011

HRN EN 62439-3:2011 en

Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 3. dio: Protokol usporedne zalihosti (PRP) i neograničene zalihosti velike raspoloživosti (HSR) (IEC 62439-3:2010; EN 62439-3:2010)
Industrial communication networks – High availability automation networks – Part 3: Parallel Redundancy Protocol (PRP) and High availability Seamless Redundancy (HSR) (IEC 62439-3:2010; EN 62439-3:2010)
- zamijenjena s: HRN EN 62439-3:2014

HZN/TO E78, Rad pod naponom

HRN EN 61230:2008 en

Rad pod naponom – Prijenosna oprema za uzemljivanje ili uzemljivanje i kratko spajanje (IEC 61230:1993, MOD; EN 61230:1995)
Live working – Portable equipment for earthing or earthing and short-circuiting (IEC 61230:1993, MOD; EN 61230:1995)
- zamijenjena s: HRN EN 61230:2011

HRN EN 61230:2008/A11:2008 en

Rad pod naponom – Prijenosna oprema za uzemljivanje ili uzemljivanje i kratko spajanje (EN 61230:1995/A11:1999)
Live working – Portable equipment for earthing or earthing and short-circuiting (EN 61230:1995/A11:1999)
- zamijenjena s: HRN EN 61230:2011

HRN EN 61236:2008 en

Sedla, spojnice za motke (štapove) i pribor za rad pod naponom (IEC 61236:1993, MOD; EN 61236:1995)
Saddles, pole clamps (stick clamps) and accessories for live working (IEC 61236:1993, MOD; EN 61236:1995)
- zamijenjena s: HRN EN 61236:2013

HRN EN 61477:2008 en

Rad pod naponom – Minimalni zahtjevi za uporabu alata, uređaja i opreme (IEC 61477:2001+am1:2002+am2:2004, MOD; EN 61477:2002+A1:2002+A2:2005)
Live working – Minimum requirements for the utilization of tools, devices and equipment (IEC 61477:2001+am1:2002+am2:2004, MOD; EN 61477:2002+A1:2002+A2:2005)
- zamijenjena s: HRN EN 61477:2011

HZN/TO E80, Pomorska navigacijska i radiokomunikacijska oprema i sustavi

HRN EN 62388:2008 en

Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Brodski radar – Izvedbeni zahtjevi, metode ispitivanja i zahtijevani rezultati ispitivanja (IEC 62388:2007; EN 62388:2008)
Maritime navigation and radio-communication equipment and systems – Shipborne radar – Performance requirements, methods of testing and required test results (IEC 62388:2007; EN 62388:2008)
- zamijenjena s: HRN EN 62388:2013

HZN/TO E85, Oprema za mjerenje električnih i elektromagnetskih veličina

HRN EN 61557-10:2008 en

Električna sigurnost u niskonaponskim distribucijskim sustavima do 1000 V izmjenične struje i 1500 V istosmjerne struje – Oprema za ispitivanje, mjerenje ili nadzor zaštite – 10. dio: Kombinirana mjerna oprema za ispitivanje, mjerenje ili nadzor zaštite (IEC 61557-10:2000; EN 61557-10:2001)
Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring or monitoring of protective measures – Part 10: Combined measuring equipment for testing, measuring or monitoring of protective measures (IEC 61557-10:2000; EN 61557-10:2001)
- zamijenjena s: HRN EN 61557-10:2013

HZN/TO E88, Vjetroagregati

HRN EN 61400-2:2009 en

Vjetroagregati – 2. dio: Zahtjevi za projektiranje malih vjetroagregata (IEC 61400-2:2006; EN 61400-2:2006)
Wind turbines – Part 2: Design requirements for small wind turbines (IEC 61400-2:2006; EN 61400-2:2006)
- zamijenjena s: HRN EN 61400-2:2015

HRN EN 61400-11:2008 en

Vjetroagregati – 11. dio: Postupci mjerenja akustične buke (IEC 61400-11:1998; EN 61400-11:1998)
Wind turbine generator systems – Part 11: Acoustic noise measurement techniques (IEC 61400-11:1998; EN 61400-11:1998)
- zamijenjena s: HRN EN 61400-11:2009

HRN EN 61400-11:2009 en

Vjetroagregati – 11. dio: Postupci mjerenja akustične buke (IEC 61400-11:2002+am1:2006; EN 61400-11:2003+A1:2006)
Wind turbine generator systems – Part 11: Acoustic noise measurement techniques (IEC 61400-11:2002+am1:2006; EN 61400-11:2003+A1:2006)
- zamijenjena s: HRN EN 61400-11:2014

HRN EN 61400-12:2008 en

Vjetroagregati – 12. dio: Ispitivanje značajka snage vjetroagregata (IEC 61400-12:1998; EN 61400-12:1998)
Wind turbine generator systems – Part 12: Wind turbine power performance testing (IEC 61400-12:1998; EN 61400-12:1998)
- zamijenjena s: HRN EN 61400-12-1:2008

HRN EN 61400-21:2008 en

Vjetroagregati – 21. dio: Mjerenje i ocjena kvalitete električne energije vjetroagregata spojenih na mrežu (IEC 61400-21:2001; EN 61400-21:2002)
Wind turbine generator systems – Part 21: Measurement and assessment of power quality characteristics of grid connected wind turbines (IEC 61400-21:2001; EN 61400-21:2002)
- zamijenjena s: HRN EN 61400-21:2011

HZN/TO E95, Mjerni releji i zaštitna oprema

HRN EN 61733-1:2008 en

Mjerni releji i zaštitna oprema – Komunikacijsko međupovezivanje relejne zaštite – 1. dio: Općenito (IEC 61733-1:1995; EN 61733-1:1996)
Measuring relays and protection equipment – Protection communication interfacing – Part 1: General (IEC 61733-1:1995; EN 61733-1:1996)
- bez zamjene

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

HRN EN 61938:2008 en
Audio, video i audiovideo sustavi – Međusobna povezivanja i vrijednosti za prilagodbu – Vrijednosti za prilagodbu analognih signala kojima se daje prednost (IEC 61938:1996; EN 61938:1997+AC:1997)
Audio, video and audiovisual systems – Interconnections and matching values – Preferred matching values of analogue signals (IEC 61938:1996; EN 61938:1997+AC:1997)
- zamijenjena s: HRN EN 61938:2014

HRN EN 62002-1:2008 en
Mobile and portable DVB-T/H radio access – Part 1: Interface specification (IEC 62002-1:2005; EN 62002-1:2006)
- zamijenjena s: HRN EN 62002-1:2011

HRN EN 62002-2:2008 en
Mobile and portable DVB-T/H radio access – Part 2: Interface conformance testing (IEC 62002-2:2005; EN 62002-2:2006)
- zamijenjena s: HRN EN 62002-2:2011

HRN EN 62075:2008 en
Oprema audio/video, informacijske i komunikacijske tehnologije – Dizajn prihvatljiv za okoliš (IEC 62075:2008; EN 62075:2008)
Audio/video, information and communication technology equipment – Environmentally conscious design (IEC 62075:2008; EN 62075:2008)
- zamijenjena s: HRN EN 62075:2013

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN 61672-1:2004 en
Elektroakustika – Zvukomjeri – 1. dio: Specifikacije (IEC 61672-1:2002; EN 61672-1:2003)
Electroacoustics – Sound level meters – Part 1: Specifications (IEC 61672-1:2002; EN 61672-1:2003)
- zamijenjena s: HRN EN 61672-1:2014

HZN/TO Z1, Informacijska tehnologija

HRN ISO/IEC 27000:2015 en
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Pregled i rječnik (ISO/IEC 27000:2014)
Information technology – Security techniques – Information security management systems – Overview and vocabulary (ISO/IEC 27000:2014)
- zamijenjena s: HRN EN ISO/IEC 27000:2017

HRN ISO/IEC 27001:2014 en
Informacijska tehnologija – Sigurnosne tehnike – Sustavi upravljanja informacijskom sigurnošću – Zahtjevi (ISO/IEC 27001:2013)
Information technology – Security techniques – Information security management systems – Requirements (ISO/IEC 27001:2013)
- zamijenjena s: HRN EN ISO/IEC 27001:2017

HRN ISO/IEC 27002:2015 en
Informacijska tehnologija – Sigurnosne tehnike – Kodeks postupaka za upravljanje informacijskom sigurnošću (ISO/IEC 27002:2013+Cor 1:2014)
Information technology – Security techniques – Code of practice for information security controls (ISO/IEC 27002:2013+Cor 1:2014)
- zamijenjena s: HRN EN ISO/IEC 27002:2017

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

HRS CEN/TS 16640:2015 en
Proizvodi na biološkoj osnovi – Određivanje količine ugljika biološkog podrijetla u proizvodima upotrebom metode radioaktivnog ugljika (CEN/TS 16640:2014)
Bio-based products – Determination of the bio based carbon content of products using the radiocarbon method (CEN/TS 16640:2014)
- zamijenjena s: HRN EN 16640:2017

HZN/TU I2, Strojarstvo 2

HRN EN ISO 703:2008 en
Conveyor belts – Transverse flexibility (troughability) – Test method (ISO 703:2007; EN ISO 703:2007)
- zamijenjena s: HRN EN ISO 703:2017

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

HRN EN 12006-2:2011 en
Neaktivni kirurški implantati – Posebni zahtjevi za srčane i vaskularne implantate – 2. dio: Vaskularne proteze uključujući cjevčice prema srčanim zaliscima (EN 12006-2:1998+A1:2009)
Non active surgical implants – Particular requirements for cardiac and vascular implants – Part 2: Vascular prostheses including cardiac valve conduits (EN 12006-2:1998+A1:2009)
- zamijenjena s: HRN EN ISO 7198:2017

HRN EN ISO 25539-1:2011 en
Kardiovaskularni implantati – Endovaskularna sredstva – 1. dio: Endovaskularne proteze (ISO 25539-1:2003+Amd 1:2005; EN ISO 25539-1:2009+AC:2011)
Cardiovascular implants – Endovascular devices – Part 1: Endovascular prostheses (ISO 25539-1:2003+Amd 1:2005; EN ISO 25539-1:2009+AC:2011)
- zamijenjena s: HRN EN ISO 25539-1:2017

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

HRN EN 3646-005:2008 en
Nizovi o zrakoplovstvu – Spojnice, električne, kružne, bajonetni spoj, stalne radne temperature 175 °C ili 200 °C – 005. dio: Utičnica, bez dotoka zraka, s kvadratnom prirubnicom za montažu – Norma za proizvod (EN 3646-005:2006)
Aerospace series – Connectors, electrical, circular, bayonet coupling, operating temperature 175 °C or 200 °C continuous – Part 005: Receptacle, hermetic, square flange mounting – Product standard (EN 3646-005:2006)
- zamijenjena s: HRN EN 3646-005:2017

HRN EN 3745-510:2012 en
Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 510. dio: Ispitivanje savijanjem (EN 3745-510:2012)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 510: Bending test (EN 3745-510:2012)
- zamijenjena s: HRN EN 3745-510:2017

HRN EN 4165-024:2011 en
Nizovi o zrakoplovstvu – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – 024. dio: Samostalni modul utikač – Norma za proizvod (EN 4165-024:2011)
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 024: Single module plug – Product standard (EN 4165-024:2011)
- zamijenjena s: HRN EN 4165-024:2016

HRN EN 4165-025:2012 en
Nizovi o zrakoplovstvu – Spojnice, električne, pravokutne, modularne – Stalna radna temperatura 175 °C – 025. dio: Modul utičnica – Norma za proizvod (EN 4165-025:2011)
Aerospace series – Connectors, electrical, rectangular, modular – Operating temperature 175 °C continuous – Part 025: Module receptacle – Product Standard (EN 4165-025:2011)
- zamijenjena s: HRN EN 4165-025:2017

HRN EN 4604-009:2014 en
Nizovi o zrakoplovstvu – Kabel, električni, za prijenos signala – 009. dio: Kabel, koaksijalni, lagani, 50 Oma, 180 °C, tip KW (lagani WN) – Norma za proizvod (EN 4604-009:2014)
Aerospace series – Cable, electrical, for signal transmission – Part 009: Cable, coaxial, light weight, 50 ohms, 180 °C, type KW (light WN) – Product standard (EN 4604-009:2014)
- zamijenjena s: HRN EN 4604-009:2017

HRN EN 4604-010:2011 en
Nizovi o zrakoplovstvu – Kabel, električni, za prijenos signala – 010. dio: Kabel, koaksijalni, lagani, 50 Oma, 200 °C, tip KX (lagani WD) – Norma za proizvod (EN 4604-010:2011)
Aerospace series – Cable, electrical, for signal transmission – Part 010: Cable, coaxial, light weight, 50 Ohms, 200 °C, type KX (light WD) – Product standard (EN 4604-010:2011)
- zamijenjena s: HRN EN 4604-010:2017

HRN EN 9132:2008 en
Nizovi o zrakoplovstvu – Sustavi upravljanja kvalitetom – Zahtjevi za kvalitetom Datamatrix koda koji se primjenjuje kod oznake dijelova (EN 9132:2006)
Aerospace series – Quality management systems – Data Matrix Quality Requirements for Parts Marking (EN 9132:2006)
- zamijenjena s: HRN EN 9132:2017

HRN EN 15918:2013 en
Bicikli – Prikolice za bicikle – Sigurnosni zahtjevi i metode ispitivanja (EN 15918:2011+A1:2013)
Cycles – Cycle trailers – Safety requirements and test methods (EN 15918:2011+A1:2013)
- zamijenjena s: HRN EN 15918:2017

HZN/TU U1, Opća elektrotehnika 1

HRN HD 245.4 S1:2008 en
Slovni simboli za uporabu u elektrotehnici – 4. dio: Simboli za količine za uporabu u rotacijskim električnim strojevima (IEC 60027-4:1985; HD 245.4 S1:1987)
Letter symbols to be used in electrical technology – Part 4: Symbols for quantities to be used for rotating electrical machines (IEC 60027-4:1985; HD 245.4 S1:1987)
- zamijenjena s: HRN EN 60027-4:2008

HRN HD 323.2.54 S1:2008 en
Osnovni postupci ispitivanja okoliša – 2. dio: Ispitivanja – Ta ispitivanje: Lemljenje – Ispitivanje lemljivosti metodom ravnoteže vlaženja (IEC 60068-2-54:1985; HD 323.2.54 S1:1987)
Basic environmental testing procedures – Part 2: Tests – Test Ta: Soldering – Solderability testing by the wetting balance method (IEC 60068-2-54:1985; HD 323.2.54 S1:1987)
- zamijenjena s: HRN EN 60068-2-54:2008

HRN HD 478.2.1 S1:2008 en
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti koji se pojavljuju u prirodi – Temperatura i vlažnost (IEC 60721-2-1:1982+am1:1987; HD 478.2.1 S1:1989)
Classification of environmental conditions – Part 2: Environmental conditions appearing in nature – Temperature and humidity (IEC 60721-2-1:1982+am1:1987; HD 478.2.1 S1:1989)
- zamijenjena s: HRN EN 60721-2-1:2014

HRN HD 478.2.2 S1:2008 en
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti koji se pojavljuju u prirodi – Oborine i vjetar (IEC 60721-2-2:1988; HD 478.2.2 S1:1990)
Classification of environmental conditions – Part 2: Environmental conditions appearing in nature – Precipitation and wind (IEC 60721-2-2:1988; HD 478.2.2 S1:1990)
- zamijenjena s: HRN EN 60721-2-2:2013

HRN HD 478.2.3 S1:2008 en
Klasifikacija uvjeta okoliša – 2. dio: Radni uvjeti koji se pojavljuju u prirodi – Tlak zraka (IEC 60721-2-3:1987; HD 478.2.3 S1:1990)
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Industrijski sustavi, instalacije, oprema i industrijski proizvodi – Strukturiranje načela i referencijske oznake – 1. dio: Osnovna načela (IEC 61346-1:1996; EN 61346-1:1996)
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules (IEC 61346-1:1996; EN 61346-1:1996)
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Industrijski sustavi, instalacije, oprema i industrijski proizvodi – Strukturiranje načela i referencijske oznake – 2. dio: Klasifikacija objekata i kodova za razrede (IEC 61346-2:2000; EN 61346-2:2000)
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Classification and designation of documents for plants, systems and equipment (IEC 61355:1997; EN 61355:1997)
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HRN EN 61360-1:2008 en
Standardni tipni podatci s pripadajućom klasifikacijskom shemom za električne komponente – 1. dio: Definicije – Načela i metode (IEC 61360-1:2002+am1:2003; EN 61360-1:2002+A1:2004)
Standard data element types with associated classification scheme for electric components – Part 1: Definitions – Principles and methods (IEC 61360-1:2002+am1:2003; EN 61360-1:2002+A1:2004)
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Industrijski sustavi, instalacije, oprema i industrijski proizvodi – Identificiranje priključaka unutar sustava (IEC 61666:1997; EN 61666:1997)
Industrial systems, installations and equipment and industrial products – Identification of terminals within a system (IEC 61666:1997; EN 61666:1997)
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Supravodljivost – 5. dio: Matrica za mjerenje omjera volumena supravodiča – Bakar za supravodič omjer volumena Cu/Nb-Ti kompozitnih supravodiča (IEC 61788-5:2000; EN 61788-5:2001)
Superconductivity – Part 5: Matrix to superconductor volume ratio measurement – Copper to superconductor volume ratio of Cu/Nb-Ti composite superconductors (IEC 61788-5:2000; EN 61788-5:2001)
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Superconductivity – Part 11: Residual resistance ratio measurement – Residual resistance ratio of Nb₃Sn composite superconductors (IEC 61788-11:2003; EN 61788-11:2003)
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Superconductivity – Part 12: Matrix to superconductor volume ratio measurement – Copper to non-copper volume ratio of Nb₃Sn composite superconducting wires (IEC 61788-12:2002; EN 61788-12:2002)
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Superconductivity – Part 13: AC loss measurements – Magnetometer methods for hysteresis loss in Cu/Nb-Ti multifilamentary composites (IEC 61788-13:2003; EN 61788-13:2003)
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Structuring of technical information and documentation (IEC 62023:2000; EN 62023:2000)
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HRN EN 62027:2008 en
Pripremanje dijelova popisa (IEC 62027:2000; EN 62027:2000)
Preparation of parts lists (IEC 62027:2000; EN 62027:2000)
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– General requirements and measuring methods
(IEC 61169-1:1992; EN 61169-1:1994+A1:1996+A2:1997)
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– Requirements for soldered electrical and electronic
assemblies using surface mount and related assembly
technologies (IEC 61191-1:1998; EN 61191-1:1998)
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Printed board assemblies – Part 2: Sectional specification
– Requirements for surface mount soldered assemblies
(IEC 61191-2:1998; EN 61191-2:1998)
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– Part 1-1: Test procedures for general communication
subsystems – Transmitter output optical power measurement
for single-mode optical fibre cable (IEC 61280-1-1:1998;
EN 61280-1-1:1998)
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HRN EN 61291-4:2009 en
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– Performance specification template (IEC 61291-4:2008;
EN 61291-4:2008)
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HRN EN 61754-4-1:2008 en
Fibre optic connector interfaces – Part 4-1: Type SC connector
family – Simplified receptacle SC-PC connector interfaces
(IEC 61754-4-1:2003; EN 61754-4-1:2003)
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family – Simplified receptacle MU-PC connector interfaces
(IEC 61754-6-1:2003; EN 61754-6-1:2003)
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the specification of surface mounting components (SMDs)
(IEC 61760-1:1998; EN 61760-1:1998)
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Fibre optic interconnecting devices and passive components
– Fibre optic filters – Generic specification (IEC 61977:2010;
EN 61977:2010)
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Priključci – Sigurnosni zahtjevi i ispitivanja (IEC 61984:2001;
EN 61984:2001)
Connectors – Safety requirements and tests (IEC 61984:2001;
EN 61984:2001)
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Fibre optic interconnecting devices and passive
components – Fibre optic circulators – Generic specification
(IEC 62077:2010; EN 62077:2010)
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procurement and use (IEC 62258-1:2005; EN 62258-1:2005)
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HRN EN 62258-2:2008 en
Semiconductor die products – Part 2: Exchange data formats
(IEC 62258-2:2005; EN 62258-2:2005)
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Ručni elektromotorni alati – I. dio: Opće specifikacije
(CEE 20-1:1973, MOD; HD 400.1 S1:1980)
Hand-held motor operated tools – Part I: General specifications
(CEE 20-1:1973, MOD; HD 400.1 S1:1980)
- bez zamjene

HRN HD 400.1 S1:2008/A1:2008 en
Ručni elektromotorni alati – I. dio: Opće specifikacije
(HD 400.1 S1:1980/A1:1991)
Hand-held motor operated tools – Part I: General specifications
(HD 400.1 S1:1980/A1:1991)
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– Sekcija N: Kresalice živice i škare za travu
(CEE 20-2N:1977, MOD; HD 400.3N S2:1992)
Hand-held motor operated tools – Part II: Particular
specifications – Section N: Hedge trimmers and scissor-type
grass shears (CEE 20-2N:1977, MOD; HD 400.3N S2:1992)
- bez zamjene

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Metode ispitivanja za instalacije električnoga grijanja s
elektronskim topovima (IEC 60703:1981; HD 440 S1:1983)
Test methods for electroheating installations with electron
guns (IEC 60703:1981; HD 440 S1:1983)
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HRN HD 599 S1:2008 en
Metode ispitivanja za potopljene elektrolučne peći
(IEC 60683:1980; HD 599 S1:1992)
Test methods for submerged arc furnaces (IEC 60683:1980;
HD 599 S1:1992)
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Test methods for induction channel furnaces (IEC 60396:1991;
HD 610 S1:1992)
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Niskonaponski osigurači – Dio 2-1: Dodatni zahtjevi
za osigurače kojima rukuju ovlaštene osobe (osigurači
namijenjeni uglavnom za primjenu u industriji)
– Odjeljak I. do VI: Izvedbe normiranih tipova osigurača
(IEC 60269-2-1:1998+am1:1999+am2:2002, modified;
HD 630.2.1 S6:2003)
Low-voltage fuses – Part 2-1: Supplementary
requirements for fuses for use by authorized persons
(fuses mainly for industrial application) – Sections I
to VI: Examples of types of standardized fuses
(IEC 60269-2-1:1998+am1:1999+am2:2002, modified;
HD 630.2.1 S6:2003)
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HRN HD 60269-2-1:2009 en
Niskonaponski osigurači – Dio 2-1: Dodatni zahtjevi
za osigurače kojima rukuju ovlaštene osobe (osigurači
uglavnom namijenjeni za industrijsku primjenu) – Odjeljak
I do VI: Primjeri tipova standardiziranih osigurača
(IEC 60269-2-1:2004, MOD; HD 60269-2-1:2005)
Low-voltage fuses – Part 2-1: Supplementary requirements
for fuses for use by authorized persons (fuses mainly
for industrial application) – Sections I to VI: Examples of
types of standardized fuses (IEC 60269-2-1:2004, MOD;
HD 60269-2-1:2005)
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HRN HD 60269-2:2009 en
Niskonaponski osigurači – 2. dio: Dodatni zahtjevi za
osigurače kojima rukuju ovlaštene osobe (osigurači uglavnom
namijenjeni za primjenu u industriji) – Primjeri normiranih
sustava osigurača A do J (IEC 60269-2:2006, MOD;
HD 60269-2:2007)
Low-voltage fuses – Part 2: Supplementary requirements for
fuses for use by authorized persons (fuses mainly for industrial
application) – Examples of standardized systems of fuses
A to J (IEC 60269-2:2006, MOD; HD 60269-2:2007)
- zamijenjena s: HRN HD 60269-2:2011

HRN HD 60269-2:2011 en
Niskonaponski osigurači – 2. dio: Dodatni zahtjevi za
osigurače kojima rukuju ovlaštene osobe (osigurači uglavnom
namijenjeni za primjenu u industriji) – Primjeri normiranih
sustava osigurača A do J (IEC 60269-2:2010, MOD;
HD 60269-2:2010)
Low-voltage fuses – Part 2: Supplementary requirements for
fuses for use by authorized persons (fuses mainly for industrial
application) – Examples of standardized systems of fuses
A to J (IEC 60269-2:2010, MOD; HD 60269-2:2010)
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- HRN EN 61121:2008 en
Električne bubnjaste sušilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (IEC 61121:2002, MOD; EN 61121:2005)
Tumble dryers for household use – Methods for measuring the performance (IEC 61121:2002, MOD; EN 61121:2005)
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Instalacije za industrijsko mikrovalno grijanje – Metode ispitivanja za određivanje izlazne snage (IEC 61307:1994; EN 61307:1996)
Industrial microwave heating installations – Test methods for the determination of power output (IEC 61307:1994; EN 61307:1996)
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Instalacije za industrijsko mikrovalno grijanje – Metode ispitivanja za određivanje izlazne snage (IEC 61307:2006; EN 61307:2006)
Industrial microwave heating installations – Test methods for the determination of power output (IEC 61307:2006; EN 61307:2006)
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Upute za specifikaciju upravljačkih sustava hidrauličnih turbina (IEC 61362:1998; EN 61362:1998)
Guide to specification of hydraulic turbine control systems (IEC 61362:1998; EN 61362:1998)
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Sigurnost energetskih transformatora, jedinica za napajanje i slično – 1. dio: Opći zahtjevi i ispitivanja (IEC 61558-1:1997, MOD+am1:1998; EN 61558-1:1997+A1:1998)
Safety of power transformers, power supply units and similar – Part 1: General requirements and tests (IEC 61558-1:1997, MOD+am1:1998; EN 61558-1:1997+A1:1998)
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Sigurnost energetskih transformatora, jedinica za napajanje i slično – 1. dio: Opći zahtjevi i ispitivanja (EN 61558-1:1997/A11:2003)
Safety of power transformers, power supply units and similar – Part 1: General requirements and tests (EN 61558-1:1997/A11:2003)
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Sigurnost energetskih transformatora, jedinica za napajanje i slično – 1. dio: Opći zahtjevi i ispitivanja (EN 61558-1:1997/AC:2003)
Safety of power transformers, power supply units and similar – Part 1: General requirements and tests (EN 61558-1:1997/AC:2003)
- zamijenjena s: HRN EN 61558-1:2009
- HRN EN 61558-2-1:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-1: Posebni zahtjevi za odvojne transformatore za opću uporabu (IEC 61558-2-1:1997; EN 61558-2-1:1997)
Safety of power transformers, power supply units and similar – Part 2-1: Particular requirements for separating transformers for general use (IEC 61558-2-1:1997; EN 61558-2-1:1997)
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- HRN EN 61558-2-12:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-12: Posebni zahtjevi za transformatore stalnog napona (IEC 61558-2-12:2001; EN 61558-2-12:2001)
Safety of power transformers, power supply units and similar devices – Part 2-12: Particular requirements for constant voltage transformers (IEC 61558-2-12:2001; EN 61558-2-12:2001)
- zamijenjena s: HRN EN 61558-2-12:2012
- HRN EN 61558-2-13:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-13: Posebni zahtjevi za autotransformatore za opću uporabu (IEC 61558-2-13:1999; EN 61558-2-13:2000)
Safety of power transformers, power supply units and similar devices – Part 2-13: Particular requirements for auto-transformers for general use (IEC 61558-2-13:1999; EN 61558-2-13:2000)
- zamijenjena s: HRN EN 61558-2-13:2011
- HRN EN 61558-2-15:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-15: Posebni zahtjevi za izolirajuće transformatore za opskrbu medicinskih lokacija (IEC 61558-2-15:1999, MOD; EN 61558-2-15:2001)
Safety of power transformers, power supply units and similar – Part 2-15: Particular requirements for isolating transformers for the supply of medical locations (IEC 61558-2-15:1999, MOD; EN 61558-2-15:2001)
- zamijenjena s: HRN EN 61558-2-15:2012
- HRN EN 61558-2-15:2008/Ispr.1:2012 en
Sigurnost energetskih transformatora, mrežnih opskrbnih jedinica i slično – Dio 2-15: Posebni zahtjevi za izolirane transformatore za opskrbu medicinskih lokacija (IEC 61558-2-15:2001/AC:2003)
Safety of power transformers, power supply units and similar – Part 2-15: Particular requirements for isolating transformers for the supply of medical locations (EN 61558-2-15:2001/AC:2003)
- bez zamjene
- HRN EN 61558-2-15:2008/Ispr.2:2012 en
Sigurnost energetskih transformatora, mrežnih opskrbnih jedinica i slično – Dio 2-15: Posebni zahtjevi za izolirane transformatore za opskrbu medicinskih lokacija (IEC 61558-2-15:2001/AC:2004)
Safety of power transformers, power supply units and similar – Part 2-15: Particular requirements for isolating transformers for the supply of medical locations (EN 61558-2-15:2001/AC:2004)
- zamijenjena s: HRN EN 61558-2-15:2012
- HRN EN 61558-2-17:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-17: Posebni zahtjevi za transformatore za prekidačke pretvarače za napajanje (IEC 61558-2-17:1997; EN 61558-2-17:1997)
Safety of power transformers, power supply units and similar – Part 2-17: Particular requirements for transformers for switch mode power supplies (IEC 61558-2-17:1997; EN 61558-2-17:1997)
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- HRN EN 61558-2-19:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-19: Posebni zahtjevi za transformatore za prigušivanje smetnji (IEC 61558-2-19:2000; EN 61558-2-19:2001)
Safety of power transformers, power supply units and similar devices – Part 2-19: Particular requirements for perturbation attenuation transformers (IEC 61558-2-19:2000; EN 61558-2-19:2001)
- bez zamjene
- HRN EN 61558-2-20:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-20: Posebni zahtjevi za male prigušnice (IEC 61558-2-20:2000; EN 61558-2-20:2000)
Safety of power transformers, power supply units and similar devices – Part 2-20: Particular requirements for small reactors (IEC 61558-2-20:2000; EN 61558-2-20:2000)
- zamijenjena s: HRN EN 61558-2-20:2012
- HRN EN 61558-2-2:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-2: Posebni zahtjevi za upravljačke transformatore (IEC 61558-2-2:1997; EN 61558-2-2:1998)
Safety of power transformers, power supply units and similar – Part 2-2: Particular requirements for control transformers (IEC 61558-2-2:1997; EN 61558-2-2:1998)
- zamijenjena s: HRN EN 61558-2-2:2009
- HRN EN 61558-2-23:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-23: Posebni zahtjevi za transformatore za gradilišta (IEC 61558-2-23:2000; EN 61558-2-23:2000)
Safety of power transformers, power supply units and similar devices – Part 2-23: Particular requirements for transformers for construction sites (IEC 61558-2-23:2000; EN 61558-2-23:2000)
- zamijenjena s: HRN EN 61558-2-23:2011
- HRN EN 61558-2-3:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih uređaja – Dio 2-3: Posebni zahtjevi za transformatore za paljenje za plinske i uljne plamenike (IEC 61558-2-3:1999; EN 61558-2-3:2000)
Safety of power transformers, power supply units and similar devices – Part 2-3: Particular requirements for ignition transformers for gas and oil burners (IEC 61558-2-3:1999; EN 61558-2-3:2000)
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- HRN EN 61558-2-4:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-4: Posebni zahtjevi za izolirajuće transformatore za opću uporabu (IEC 61558-2-4:1997; EN 61558-2-4:1997)
Safety of power transformers, power supply units and similar – Part 2-4: Particular requirements for isolating transformers for general use (IEC 61558-2-4:1997; EN 61558-2-4:1997)
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- HRN EN 61558-2-5:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-5: Posebni zahtjevi za transformatore za aparate za brijanje i jedinica za napajanje aparata za brijanje (IEC 61558-2-5:1997; EN 61558-2-5:1998+A11:2004)
Safety of power transformers, power supply units and similar – Part 2-5: Particular requirements for shaver transformers and shaver supply units (IEC 61558-2-5:1997; EN 61558-2-5:1998+A11:2004)
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- HRN EN 61558-2-6:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-6: Posebni zahtjevi za sigurnosne izolirajuće transformatore za opću uporabu (IEC 61558-2-6:1997; EN 61558-2-6:1997)
Safety of power transformers, power supply units and similar – Part 2-6: Particular requirements for safety isolating transformers for general use (IEC 61558-2-6:1997; EN 61558-2-6:1997)
- zamijenjena s: HRN EN 61558-2-6:2011
- HRN EN 61558-2-7:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-7: Posebni zahtjevi za transformatore za igračke (IEC 61558-2-7:1997, MOD; EN 61558-2-7:1997)
Safety of power transformers, power supply units and similar – Part 2-7: Particular requirements for transformers for toys (IEC 61558-2-7:1997, MOD; EN 61558-2-7:1997)
- zamijenjena s: HRN EN 61558-2-7:2009
- HRN EN 61558-2-7:2008/A11:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-7: Posebni zahtjevi za transformatore za igračke (EN 61558-2-7:1997/A11:2002)
Safety of power transformers, power supply units and similar – Part 2-7: Particular requirements for transformers for toys (EN 61558-2-7:1997/A11:2002)
- zamijenjena s: HRN EN 61558-2-7:2009
- HRN EN 61558-2-8:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i slično – Dio 2-8: Posebni zahtjevi za transformatore za zvona i crkvena zvona (IEC 61558-2-8:1998; EN 61558-2-8:1998)
Safety of power transformers, power supply units and similar – Part 2-8: Particular requirements for bell and chime transformers (IEC 61558-2-8:1998; EN 61558-2-8:1998)
- zamijenjena s: HRN EN 61558-2-8:2011
- HRN EN 61558-2-9:2008 en
Sigurnost energetskih transformatora, jedinica za napajanje i sličnih proizvoda – Dio 2-9: Posebni zahtjevi za transformatore za ručne svjetiljke razreda III za žarulje s nitima od volframa (IEC 61558-2-9:2002; EN 61558-2-9:2003)
Safety of power transformers, power supply units and similar products – Part 2-9: Particular requirements for transformers for class III handlamps for tungsten filament lamps (IEC 61558-2-9:2002; EN 61558-2-9:2003)
- zamijenjena s: HRN EN 61558-2-9:2012
- HRN EN 61810-2:2008 en
Elektromehanički osnovni releji – 2. dio: Pouzdanost (IEC 61810-2:2005; EN 61810-2:2005)
Electromechanical elementary relays – Part 2: Reliability (IEC 61810-2:2005; EN 61810-2:2005)
- zamijenjena s: HRN EN 61810-2:2014
- HRN EN 61812-1:2008 en
Specifični vremenski releji za industrijsku primjenu – 1. dio: Zahtjevi i ispitivanja (IEC 61812-1:1996; EN 61812-1:1996+A11:1999)
Specified time relays for industrial use – Part 1: Requirements and tests (IEC 61812-1:1996; EN 61812-1:1996+A11:1999)
- zamijenjena s: HRN EN 61812-1:2012
- HRN EN 61821:2008 en
Električne instalacije za osvijetljavanje i označavanje uzletišta – Održavanje serijskih krugova konstantne struje za zemaljsko osvijetljenje u zrakoplovstvu (IEC 61821:2002; EN 61821:2003)
Electrical installations for lighting and beaconing of aerodromes – Maintenance of aeronautical ground lighting constant current series circuits (IEC 61821:2002; EN 61821:2003)
- zamijenjena s: HRN EN 61821:2014
- HRN EN 61822:2008 en
Električne instalacije za osvijetljavanje i označavanje uzletišta – Regulatori konstantne struje (IEC 61822:2002, MOD; EN 61822:2003)
Electrical installations for lighting and beaconing of aerodromes – Constant current regulators (IEC 61822:2002, MOD; EN 61822:2003)
- zamijenjena s: HRN EN 61822:2011
- HRN EN 61951-1:2008 en
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Prijenosni zapečaćeni, punjivi, pojedinačni članci – 1. dio: Nikal-kadmij (IEC 61951-1:2003+am1:2005; EN 61951-1:2003+A1:2006)
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 1: Nickel-cadmium (IEC 61951-1:2003+am1:2005; EN 61951-1:2003+A1:2006)
- zamijenjena s: HRN EN 61951-1:2014
- HRN EN 61951-2:2008 en
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Prijenosni zapečaćeni, punjivi, pojedinačni članci – 2. dio: Nikal-metalni hidrid (IEC 61951-2:2003; EN 61951-2:2003)
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Portable sealed rechargeable single cells – Part 2: Nickel-metal hydride (IEC 61951-2:2003; EN 61951-2:2003)
- zamijenjena s: HRN EN 61951-2:2014
- HRN EN 61960:2008 en
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Sekundarni litijevi članci i baterije za prijenosne primjene (IEC 61960:2003; EN 61960:2004)
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications (IEC 61960:2003; EN 61960:2004)
- zamijenjena s: HRN EN 61960:2014
- HRN EN 61982-1:2008 en
Sekundarne baterije za pogon električnih cestovnih vozila – 1. dio: Ispitni parametri (IEC 61982-1:2006; EN 61982-1:2006)
Secondary batteries for the propulsion of electric road vehicles – Part 1: Test parameters (IEC 61982-1:2006; EN 61982-1:2006)
- zamijenjena s: HRN EN 61982:2014
- HRN EN 61982-2:2008 en
Sekundarne baterije za pogon električnih cestovnih vozila – 2. dio: Ispitivanje značajki dinamičkog pražnjenja i dinamičke izdržljivosti (IEC 61982-2:2002; EN 61982-2:2002)
Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test (IEC 61982-2:2002; EN 61982-2:2002)
- zamijenjena s: HRN EN 61982:2014
- HRN EN 61982-2:2008/Ispr.1:2014 en
Sekundarne baterije za pogon električnih cestovnih vozila – 2. dio: Ispitivanje značajki dinamičkog pražnjenja i dinamičke izdržljivosti (EN 61982-2:2002/AC:2002)
Secondary batteries for the propulsion of electric road vehicles – Part 2: Dynamic discharge performance test and dynamic endurance test (EN 61982-2:2002/AC:2002)
- zamijenjena s: HRN EN 61982:2014
- HRN EN 61982-3:2008 en
Sekundarne baterije za pogon električnih cestovnih vozila – 3. dio: Ispitivanje značajki i vijeka trajanja (vozila pogodna za promet i gradsku uporabu) (IEC 61982-3:2001; EN 61982-3:2001)
Secondary batteries for the propulsion of electric road vehicles – Part 3: Performance and life testing (traffic compatible, urban use vehicles) (IEC 61982-3:2001; EN 61982-3:2001)
- zamijenjena s: HRN EN 61982:2014

HRN EN 62041:2008 en
Energetski transformatori, jedinice za napajanje, prigušnice i slični proizvodi – Zahtjevi za elektromagnetsku kompatibilnost (IEC 62041:2003; EN 62041:2003)
Power transformers, power supply units, reactors and similar products – EMC requirements (IEC 62041:2003; EN 62041:2003)
- zamijenjena s: HRN EN 62041:2011

HRN EN 62133:2008 en
Sekundarni članci i baterije koje sadrže alkalne ili druge nekisele elektrolite – Zahtjevi za sigurnost prijenosnih sekundarnih članaka i baterija koje su od njih sastavljene, za uporabu u prijenosnim primjenama (IEC 62133:2002; EN 62133:2003)
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them, for use in portable applications (IEC 62133:2002; EN 62133:2003)
- zamijenjena s: HRN EN 62133:2014

HRN EN 62246-1:2008 en
Cijevne kontaktne jedinice – 1. dio: Generička specifikacija (IEC 62246-1:2002; EN 62246-1:2002)
Reed contacts units – Part 1: Generic specification (IEC 62246-1:2002; EN 62246-1:2002)
- zamijenjena s: HRN EN 62246-1:2014

HRN EN 62246-2:2008 en
Cijevne kontaktne jedinice – 2. dio: Cijevni prekidači za visoka opterećenja (IEC 62246-2:2007; EN 62246-2:2008)
Reed contact units – Part 2: Heavy-duty reed switches (IEC 62246-2:2007; EN 62246-2:2008)
- zamijenjena s: HRN EN 62246-1:2014

HRN EN 62281:2008 en
Sigurnost primarnih i sekundarnih litijevih članaka i baterija tijekom transporta (IEC 62281:2004; EN 62281:2004)
Safety of primary and secondary lithium cells and batteries during transport (IEC 62281:2004; EN 62281:2004)
- zamijenjena s: HRN EN 62281:2014

HRN EN 62282-2:2008 en
Tehnologija gorivih članaka – 2. dio: Moduli gorivih članaka (IEC 62282-2:2004+am1:2007; EN 62282-2:2004+A1:2007)
Fuel cell technologies – Part 2: Fuel cell modules (IEC 62282-2:2004+am1:2007; EN 62282-2:2004+A1:2007)
- zamijenjena s: HRN EN 62282-2:2014

HRN EN 62282-3-1:2008 en
Tehnologija gorivih ćelija – Dio 3-1: Energetski sustavi stacionarnih gorivih ćelija – Sigurnost (IEC 62282-3-1:2007; EN 62282-3-1:2007)
Fuel cell technologies – Part 3-1: Stationary fuel cell power systems – Safety (IEC 62282-3-1:2007; EN 62282-3-1:2007)
- zamijenjena s: HRN EN 62282-3-100:2012

HRN EN 62282-3-2:2008 en
Tehnologija gorivih članaka – Dio 3-2: Energetski sustavi sa stacionarnim gorivim člancima – Metode ispitivanja značajki (IEC 62282-3-2:2006; EN 62282-3-2:2006)
Fuel cell technologies – Part 3-2: Stationary fuel cell power systems – Performance test methods (IEC 62282-3-2:2006; EN 62282-3-2:2006)
- zamijenjena s: HRN EN 62282-3-200:2014

HRN EN 62282-3-3:2008 en
Tehnologija gorivih ćelija – Dio 3-3: Energetski sustavi stacionarnih gorivih ćelija – Montaža (IEC 62282-3-3:2007; EN 62282-3-3:2008)
Fuel cell technologies – Part 3-3: Stationary fuel cell power systems – Installation (IEC 62282-3-3:2007; EN 62282-3-3:2008)
- zamijenjena s: HRN EN 62282-3-300:2013

HRN EN 62282-5-1:2008 en
Tehnologija gorivih članaka – Dio 5-1: Energetski sustavi s prenosivim gorivim člancima – Sigurnost (IEC 62282-5-1:2007; EN 62282-5-1:2007)
Fuel cell technologies – Part 5-1: Portable fuel cell power systems – Safety (IEC 62282-5-1:2007; EN 62282-5-1:2007)
- zamijenjena s: HRN EN 62282-5-1:2013

HRN EN 62282-6-200:2008 en
Tehnologija gorivih članaka – Dio 6-200: Energetski sustavi s gorivim mikročlancima – Metode ispitivanja značajki (IEC 62282-6-200:2007; EN 62282-6-200:2008)
Fuel cell technologies – Part 6-200: Micro fuel cell power systems – Performance test methods (IEC 62282-6-200:2007; EN 62282-6-200:2008)
- zamijenjena s: HRN EN 62282-6-200:2014

HRN EN 62282-6-300:2011 en
Tehnologija gorivih članaka – Dio 6-300: Energetski sustavi s gorivim mikročlancima – Izmjenjivost spremnika s gorivom (IEC 62282-6-300:2009; EN 62282-6-300:2009)
Fuel cell technologies – Part 6-300: Micro fuel cell power systems – Fuel cartridge interchangeability (IEC 62282-6-300:2009; EN 62282-6-300:2009)
- zamijenjena s: HRN EN 62282-6-300:2014

HRN EN 62301:2008 en
Električni kućanski aparati – Mjerenje snage u stanju pripravnosti (IEC 62301:2005, MOD; EN 62301:2005)
Household electrical appliances – Measurement of standby power (IEC 62301:2005, MOD; EN 62301:2005)
- zamijenjena s: HRN EN 50564:2013

HRN EN 62395-1:2008 en
Sustavi grijanja elektrootpornom trakom za industrijske i komercijalne primjene – 1. dio: Općenito i zahtjevi ispitivanja (IEC 62395-1:2006; EN 62395-1:2006)
Electrical resistance trace heating systems for industrial and commercial applications – Part 1: General and testing requirements (IEC 62395-1:2006; EN 62395-1:2006)
- zamijenjena s: HRN EN 62395-1:2014

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 528, Oprema za željeznice

• umjesto

HRN EN 13481-5:2017
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrsnog pribora – 5. dio: Kolosiječni pričvrсни pribor za kolosijek na čvrstoj podlozi (EN 13481-5:2012+A1:2017)
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel (EN 13481-5:2012+A1:2017)

• treba biti

HRN EN 13481-5:2017
Željeznički sustav – Željeznički gornji ustroj – Zahtjevi za izradbu kolosiječnoga pričvrsnog pribora – 5. dio: Kolosiječni pričvrсни pribor za kolosijek na čvrstoj podlozi **s tračnicama na površini ili s tračnicama umetnutima u kanal** (EN 13481-5:2012+A1:2017)
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel (EN 13481-5:2012+A1:2017)

• umjesto

HRN EN 16584-1:2017
Željeznički sustav – **Konstrukcije namijenjene uporabi osoba smanjene pokretljivosti** – Opći zahtjevi – 1. dio: Kontrast (EN 16584-1:2017)
Railway applications – Design for PRM Use – General requirements – Part 1: Contrast (EN 16584-1:2017)

• treba biti

HRN EN 16584-1:2017
Željeznički sustav – **Oblikovanja namijenjena osobama smanjene pokretljivosti** – Opći zahtjevi – 1. dio: Kontrast (EN 16584-1:2017)
Railway applications – Design for PRM Use – General requirements – Part 1: Contrast (EN 16584-1:2017)

• **umjesto**
HRN EN 16584-2:2017
Željeznički sustav – **Konstrukcije namijenjene uporabi osoba smanjene pokretljivosti** – Opći zahtjevi – 2. dio: Obavijesti (EN 16584-2:2017)
Railway applications – Design for PRM Use – General Requirements – Part 2: Information (EN 16584-2:2017)

• **treba biti**
HRN EN 16584-2:2017
Željeznički sustav – **Oblikovanja namijenjena osobama smanjene pokretljivosti** – Opći zahtjevi – 2. dio: Obavijesti (EN 16584-2:2017)
Railway applications – Design for PRM Use – General Requirements – Part 2: Information (EN 16584-2:2017)

• **umjesto**
HRN EN 16584-3:2017
Željeznički sustav – **Konstrukcije namijenjene uporabi osoba smanjene pokretljivosti** – Opći zahtjevi – 3. dio: Vizualne i protuklizne značajke (EN 16584-3:2017)
Railway applications – Design for PRM use – General requirements – Part 3: Optical and friction characteristics (EN 16584-3:2017)

• **treba biti**
HRN EN 16584-3:2017
Željeznički sustav – **Oblikovanja namijenjena osobama smanjene pokretljivosti** – Opći zahtjevi – 3. dio: Optičke i protuklizne značajke (EN 16584-3:2017)
Railway applications – Design for PRM use – General requirements – Part 3: Optical and friction characteristics (EN 16584-3:2017)

HZN/TO 568, Analiza hrane – horizontalne metode, mikrobiologija, posuđe i pribor u kontaktu s hranom

• **umjesto**
HRN EN 14526:2017
Namirnice – Određivanje toksina iz grupe saksitoksina u školjkama – Metoda tekućinske kromatografije visokog učinka s predkolonskom derivatizacijom i peroksidnom ili perjodatnom oksidacijom (EN 14526:2017)
Foodstuffs – Determination of saxitoxin-group toxins in shellfish – HPLC method using pre-column derivatization with peroxide or periodate oxidation (EN 14526:2017)

• **treba biti**
HRN EN 14526:2017
Hrana – Određivanje toksina iz grupe saksitoksina u školjkama – Metoda tekućinske kromatografije visokog učinka s predkolonskom derivatizacijom i peroksidnom ili perjodatnom oksidacijom (EN 14526:2017)
Foodstuffs – Determination of saxitoxin-group toxins in shellfish – HPLC method using pre-column derivatization with peroxide or periodate oxidation (EN 14526:2017)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.020 Nazivlje (načela i usklađivanje)

Međunarodna normizacija ISO

ISO 24617-8:2016
Language resource management – Semantic annotation framework (SemAF) – Part 8: Semantic relations in discourse, core annotation schema (DR-core)

01.040.01 Opći pojmovi. Nazivlje. Normizacija. Dokumentacija (Rječnici)

Međunarodna normizacija IEC

IEC 60050-732 AMD 2:2016
International electrotechnical vocabulary – Part 732: Computer network technology; Amendment 2

01.040.17 Mjeriteljstvo i mjerenje. Fizikalne pojave (Rječnici)

Međunarodna normizacija ISO

ISO 15261 AMD 1:2016
Vibration and shock generating systems – Vocabulary; Amendment 1

IEC

IEC 60050-300 AMD 2:2016
International electrotechnical vocabulary – Electrical and electronic measurements and measuring instruments – Part 314: Specific terms according to the type of instrument; Amendment 2

01.040.29 Elektrotehnika (Rječnici)

Europska normizacija CENELEC

EN 60700-2:2016
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology (IEC 60700-2:2016)

Međunarodna normizacija IEC

IEC 60050-161 AMD 6:2016
International electrotechnical vocabulary – Part 161: Electromagnetic compatibility; Amendment 6

IEC 60050-300 AMD 2:2016
International electrotechnical vocabulary – Electrical and electronic measurements and measuring instruments – Part 314: Specific terms according to the type of instrument; Amendment 2

IEC 60050-561 AMD 1:2016
International electrotechnical vocabulary – Part 561: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection; Amendment 1

IEC 60050-701 AMD 1:2016
International electrotechnical vocabulary – Part 701: Telecommunications, channels and networks; Amendment 1

IEC 60050-702 AMD 2:2016
International electrotechnical vocabulary – Part 702: Oscillations, signals and related devices; Amendment 2

IEC 60050-705 AMD 2:2016
International electrotechnical vocabulary – Part 705: Radio wave propagation; Amendment 2

IEC 60050-721 AMD 1:2016
International electrotechnical vocabulary – Part 721: Telegraphy, facsimile and data communication; Amendment 1

IEC 60050-723 AMD 2:2016
International electrotechnical vocabulary – Part 723: Broadcasting: Sound, television, data; Amendment 2

IEC 60050-815 AMD 1:2016
International electrotechnical vocabulary – Part 815: Superconductivity; Amendment 1

01.040.31 Elektronika (Rječnici)

Europska normizacija CENELEC

EN 60700-2:2016
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology (IEC 60700-2:2016)

Međunarodna normizacija IEC

IEC 60050-561 AMD 1:2016
International electrotechnical vocabulary – Part 561: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection; Amendment 1

IEC 60050-702 AMD 2:2016
International electrotechnical vocabulary – Part 702: Oscillations, signals and related devices; Amendment 2

01.040.33 Telekomunikacije. Audiotehnika i videotehnika (Rječnici)

Međunarodna normizacija IEC

IEC 60050-161 AMD 6:2016
International electrotechnical vocabulary – Part 161: Electromagnetic compatibility; Amendment 6

IEC 60050-701 AMD 1:2016
International electrotechnical vocabulary – Part 701: Telecommunications, channels and networks; Amendment 1

IEC 60050-704 AMD 1:2016
International electrotechnical vocabulary – Part 704: Transmission; Amendment 1

IEC 60050-713 AMD 1:2016
International electrotechnical vocabulary – Part 713: Radiocommunications: transmitters, receivers, networks and operation; Amendment 1

IEC 60050-714 AMD 1:2016
International electrotechnical vocabulary – Part 714: Switching and signalling in telecommunications; Amendment 1

IEC 60050-715 AMD 1:2016
International electrotechnical vocabulary – Part 715: Telecommunication networks, teletraffic and operation; Amendment 1

IEC 60050-721 AMD 1:2016
International electrotechnical vocabulary – Part 721: Telegraphy, facsimile and data communication; Amendment 1

IEC 60050-723 AMD 2:2016
International electrotechnical vocabulary – Part 723: Broadcasting: Sound, television, data; Amendment 2

IEC 60050-725 AMD 1:2016
International electrotechnical vocabulary – Part 725: Space radiocommunications; Amendment 1

IEC 60050-726 AMD 1:2016
International electrotechnical vocabulary – Part 726: Transmission lines and waveguides; Amendment 1

IEC 60050-731 AMD 1:2016
International electrotechnical vocabulary – Part 731: Optical fibre communication; Amendment 1

IEC 60050-732 AMD 2:2016
International electrotechnical vocabulary – Part 732: Computer network technology; Amendment 2

01.040.35 Informacijska tehnologija. Uredski strojevi (Rječnici)

Međunarodna normizacija
IEC

IEC 60050-704 AMD 1:2016
International electrotechnical vocabulary – Part 704: Transmission; Amendment 1

01.040.67 Prehrambena tehnologija (Rječnici)

Međunarodna normizacija
ISO

ISO 5492 AMD 1:2016
Sensory analysis – Vocabulary; Amendment 1

01.040.73 Rudarstvo i rude (Rječnici)

Međunarodna normizacija
ISO

ISO 1213-2:2016
Solid mineral fuels – Vocabulary – Part 2: Terms relating to sampling, testing and analysis

01.040.75 Tehnologija nafte i srodne tehnologije (Rječnici)

Međunarodna normizacija
ISO

ISO 1213-2:2016
Solid mineral fuels – Vocabulary – Part 2: Terms relating to sampling, testing and analysis

01.040.91 Konstrukcijski materijali i gradnja (Rječnici)

Međunarodna normizacija
IEC

IEC 60050-845 AMD 1:2016
International electrotechnical vocabulary – Part 845: Lighting; Amendment 1

01.070 Kodiranje bojama

Europska normizacija
CENELEC

EN 60062:2016/AC:2016
Marking codes for resistors and capacitors (IEC 60062:2016/COR1:2016)

ETSI

ETSI ES 203408 V 1.1.1:2016
Environmental Engineering (EE) – Colour and marking of DC cable and connecting devices

Međunarodna normizacija
ISO

ISO 3864-2:2016
Graphical symbols – Safety colours and safety signs – Part 2: Design principles for product safety labels

IEC

IEC 60062 Corrigendum 1:2016
Marking codes for resistors and capacitors; Corrigendum 1

01.080.10 Simboli za javne obavijesti

Međunarodna normizacija
ISO

ISO 3864-2:2016
Graphical symbols – Safety colours and safety signs – Part 2: Design principles for product safety labels

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Međunarodna normizacija
ISO

ISO 3864-2:2016
Graphical symbols – Safety colours and safety signs – Part 2: Design principles for product safety labels

01.080.50 Grafički simboli za upotrebu na tehničkim crtežima u informatičkoj tehnici i telekomunikacijama i odgovarajućoj dokumentaciji o tehničkom proizvodu

Međunarodna normizacija
ISO/IEC

ISO/IEC 15416:2016-12
Automatic identification and data capture techniques – Bar code print quality test specification – Linear symbols

01.120 Normizacija. Opća pravila

Europska normizacija
CENELEC

CENELEC Guide 1:2016
Survey of Resolutions of the CENELEC General Assembly

03.100.30 Upravljanje ljudskim resursima

Međunarodna normizacija
ISO/IEC

ISO/IEC 19788-2 AMD 1:2016
Information technology – Learning, education and training – Metadata for learning resources – Part 2: Dublin Core elements – Amendment 1: Non-literal content value data elements

ISO/IEC TR 20748-1:2016
Information technology for learning, education and training – Learning analytics interoperability – Part 1: Reference model

03.100.70 Sustavi upravljanja

Europska normizacija
CEN

EN 15224:2016
Quality management systems – EN ISO 9001:2015 for healthcare

EN ISO 13485:2016/AC:2016
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2016)

Međunarodna normizacija ISO/IEC

ISO/IEC 27004:2016
Information technology – Security techniques – Information security management – Monitoring, measurement, analysis and evaluation

ISO 37100:2016
Sustainable cities and communities – Vocabulary

03.120.01 Kvaliteta općenito

Europska normizacija CENELEC

EN 61078:2016
Reliability block diagrams (IEC 61078:2016)

03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

Europska normizacija CEN

EN 15224:2016
Quality management systems – EN ISO 9001:2015 for healthcare

03.180 Izobrazba

Međunarodna normizacija ISO/IEC

ISO/IEC TR 20748-1:2016
Information technology for learning, education and training – Learning analytics interoperability – Part 1: Reference model

03.220.20 Cestovni prijevoz

Europska normizacija CEN

EN ISO 13140-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 13141 – Part 1: Test suite structure and test purposes (ISO 13140-1:2016)

EN ISO 13140-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to EN ISO 13141 – Part 2: Abstract test suite (ISO 13140-2:2016)

EN ISO 13143-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes (ISO 13143-1:2016)

EN ISO 13143-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to EN ISO/TS 12813 – Part 2: Abstract test suite (ISO 13143-2:2016)

07.100.20 Mikrobiologija vode

Međunarodna normizacija ISO

ISO 9308-1 AMD 1:2016
Water quality – Enumeration of Escherichia coli and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora; Amendment 1

11.020.01 Upravljanje kvalitetom i okolišem u zdravstvenoj zaštiti

Europska normizacija CEN

EN 15224:2016
Quality management systems – EN ISO 9001:2015 for healthcare

11.040.01 Medicinska oprema općenito

Europska normizacija CEN

EN ISO 13485:2016/AC:2016
Medical devices – Quality management systems – Requirements for regulatory purposes (ISO 13485:2016)

CENELEC

EN 60601-2-21:2009/A1:2016
Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers (IEC 60601-2-21:2009/A1:2016)

11.040.10 Anestezijska, respiracijska i reanimacijska oprema

Europska normizacija CENELEC

EN 60601-2-19:2009/A1:2016
Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators (IEC 60601-2-19:2009/A1:2016)

EN 60601-2-20:2009/A1:2016
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:2009/A1:2016)

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Europska normizacija CEN

EN ISO 21535:2009/A1:2016
Non-active surgical implants – Joint replacement implants – Specific requirements for hip-joint replacement implants – Amendment 1 (ISO 21535:2007/Amd 1:2016)

CENELEC

EN 50527-1:2016
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 1: General

EN 50527-2-1:2016
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 2-1: Specific assessment for workers with cardiac pacemakers

11.040.60 Terapeutska oprema

Europska normizacija CENELEC

EN 60601-2-10:2015/A1:2016
Medical electrical equipment – Part 2-10: Particular requirements for the basic safety and essential performance of nerve and muscle stimulators (IEC 60601-2-10:2012/A1:2016)

11.040.99 Ostala medicinska oprema

Europska normizacija CEN

EN ISO 19054:2006/A1:2016
Rail systems for supporting medical equipment
(ISO 19054:2005/Amd 1:2016)

CENELEC

EN 60601-2-50:2009/A1:2016
Medical electrical equipment – Part 2-50: Particular requirements
for the basic safety and essential performance of infant
phototherapy equipment (IEC 60601-2-50:2009/A1:2016)

11.100.20 Biološko vrednovanje medicinskih proizvoda

Europska normizacija CEN

EN ISO 10993-6:2016
Biological evaluation of medical devices – Part 6: Tests for
local effects after implantation (ISO 10993-6:2016)

Međunarodna normizacija ISO

ISO 10993-6:2016
Biological evaluation of medical devices – Part 6: Tests for
local effects after implantation

ISO/TR 15499:2016
Biological evaluation of medical devices – Guidance on the
conduct of biological evaluation within a risk management
process

11.140 Bolnička oprema

Europska normizacija CENELEC

EN 80601-2-35:2009/A1:2016
Medical electrical equipment – Part 2-35: Particular requirements
for the basic safety and essential performance of heating devices
using blankets, pads and mattresses and intended for heating in
medical use (IEC 80601-2-35:2009/A1:2016)

Međunarodna normizacija ISO

ISO 22882:2016
Castors and wheels – Requirements for castors for hospital
beds

11.180.01 Pomagala za osobe s invaliditetom općenito

Europska normizacija CEN

EN 16584-1:2017
Railway applications – Design for PRM use – General
requirements – Part 1: Contrast

EN 16584-2:2017
Railway applications – Design for PRM use – General
requirements – Part 2: Information

EN 16584-3:2017
Railway applications – Design for PRM use – General
requirements – Part 3: Optical and friction characteristics

13.020.20 Ekogospodarstvo

Međunarodna normizacija ISO

ISO 37100:2016
Sustainable cities and communities – Vocabulary

13.060.01 Kvaliteta vode općenito

Međunarodna normizacija ISO

ISO 16075-4:2016
Guidelines for treated wastewater use for irrigation projects
– Part 4: Monitoring

13.060.30 Kanalizacijske vode

Međunarodna normizacija ISO

ISO 16075-4:2016
Guidelines for treated wastewater use for irrigation projects
– Part 4: Monitoring

13.100 Radna sigurnost. Industrijska higijena

Europska normizacija CENELEC

EN 50527-1:2016
Procedure for the assessment of the exposure to
electromagnetic fields of workers bearing active implantable
medical devices – Part 1: General

13.220.01 Zaštita od požara općenito

Međunarodna normizacija ISO

ISO 12828-2:2016
Validation methods for fire gas analyses – Part 2: Intralaboratory
validation of quantification methods

13.220.40 Zapaljivost i ponašanje materijala i proizvoda pri izgaranju

Međunarodna normizacija IEC

IEC 60695-11-5:2016
Fire hazard testing – Part 11-5: Test flames – Needle-flame
test method – Apparatus, confirmatory test arrangement and
guidance

13.220.50 Vatrootpornost građevnih materijala i elemenata

Europska normizacija CENELEC

CLC/TR 50670:2016
External fire exposure to roofs in combination with photovoltaic
(PV) arrays – Test method(s)

13.320 Alarmni sustavi i sustavi uzbunjivanja

Europska normizacija CENELEC

EN 50131-2-8:2016
Alarm systems – Intrusion and hold-up systems – Part 2-8:
Intrusion detectors – Shock detectors

13.340.10 Zaštitna odjeća

Europska normizacija CEN

EN ISO 9151:2016
Protective clothing against heat and flame – Determination of
heat transmission on exposure to flame (ISO 9151:2016)

EN ISO 15025:2016
Protective clothing – Protection against flame – Method of test for limited flame spread (ISO 15025:2016)

**Međunarodna normizacija
ISO**

ISO 15025:2016
Protective clothing – Protection against flame – Method of test for limited flame spread

ISO 17493:2016
Clothing and equipment for protection against heat – Test method for convective heat resistance using a hot air circulating oven

13.340.20 Zaštitna oprema za glavu

**Europska normizacija
CEN**

EN ISO 10256-1:2016
Protective equipment for use in ice hockey – Part 1: General requirements (ISO 10256-1:2016)

17.040.10 Granične vrijednosti i prilagodbe

**Međunarodna normizacija
ISO**

ISO 14405-3:2016
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 3: Angular sizes

17.040.20 Svojstva površina

**Europska normizacija
CEN**

EN ISO 16610-28:2016
Geometrical product specifications (GPS) – Filtration – Part 28: Profile filters: End effects (ISO 16610-28:2016)

**Međunarodna normizacija
ISO**

ISO 16610-28:2016
Geometrical product specifications (GPS) – Filtration – Part 28: Profile filters: End effects

**17.040.40 Geometrijska specifikacija
proizvoda (GPS)**

**Međunarodna normizacija
ISO**

ISO 14405-3:2016
Geometrical product specifications (GPS) – Dimensional tolerancing – Part 3: Angular sizes

ISO 16610-28:2016
Geometrical product specifications (GPS) – Filtration – Part 28: Profile filters: End effects

17.120.20 Protok u otvorenim kanalima

**Međunarodna normizacija
ISO**

ISO/TR 19234:2016
Hydrometry – Low cost baffle solution to aid fish passage at triangular profile weirs that conform to ISO 4360

17.140.50 Elektroakustika

**Međunarodna normizacija
IEC**

IEC 61094-3 Corrigendum 1:2016
Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique; Corrigendum 1

17.160 Vibracije, udari i mjerenja vibracija

**Međunarodna normizacija
ISO**

ISO 5344 AMD 1:2016
Electrodynamic vibration generating systems – Performance characteristics; Amendment 1

ISO 8626 AMD 1:2016
Servo-hydraulic test equipment for generating vibration – Method of describing characteristics; Amendment 1

ISO 15261 AMD 1:2016
Vibration and shock generating systems – Vocabulary; Amendment 1

ISO 20283-5:2016
Mechanical vibration – Measurement of vibration on ships – Part 5: Guidelines for measurement, evaluation and reporting of vibration with regard to habitability on passenger and merchant ships

**17.220.01 Elektricitet. Magnetizam. Opći
aspekti**

**Međunarodna normizacija
IEC**

IEC 60050-300 AMD 2:2016
International electrotechnical vocabulary – Electrical and electronic measurements and measuring instruments – Part 314: Specific terms according to the type of instrument; Amendment 2

IEC 60404-15 AMD 1:2016
Magnetic materials – Part 15: Methods for the determination of the relative magnetic permeability of feebly magnetic materials; Amendment 1

IEC 60404-15 Edition 1.1:2016
Magnetic materials – Part 15: Methods for the determination of the relative magnetic permeability of feebly magnetic materials

**17.220.20 Mjerenje električnih i magnetskih
veličina**

**Europska normizacija
CENELEC**

EN 62689-1:2016
Current and voltage sensors or detectors, to be used for fault passage indication purposes – Part 1: General principles and requirements (IEC 62689-1:2016)

**Međunarodna normizacija
IEC**

IEC 61010-1 AMD 1:2016
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements; Amendment 1

17.240 Mjerenja zračenja

**Europska normizacija
CENELEC**

EN 50527-1:2016
Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 1: General

EN 50527-2-1:2016

Procedure for the assessment of the exposure to electromagnetic fields of workers bearing active implantable medical devices – Part 2-1: Specific assessment for workers with cardiac pacemakers

19.080 Električna i elektronička ispitivanja

Međunarodna normizacija IEC

IEC 61010-1 AMD 1:2016

Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements; Amendment 1

19.100 Nerazorna ispitivanja

Europska normizacija CEN

EN ISO 9934-1:2016

Non-destructive testing – Magnetic particle testing – Part 1: General principles (ISO 9934-1:2016)

19.120 Analiza veličine čestica. Prosijavanje

Međunarodna normizacija ISO

ISO 19430:2016

Particle size analysis – Particle tracking analysis (PTA) method

23.020.35 Plinske boce

Europska normizacija CEN

EN ISO 12209:2013/A1:2016

Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar (ISO 12209:2013/Amd 1:2016)

Međunarodna normizacija ISO

ISO 12209:2013/Amd 1:2016

Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Međunarodna normizacija ISO

ISO 15493 AMD 1:2016

Plastics piping systems for industrial applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series; Amendment 1

23.040.20 Plastične cijevi

Međunarodna normizacija ISO

ISO 10928:2016

Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use

23.040.45 Plastične spojnice

Međunarodna normizacija ISO

ISO 10928:2016

Plastics piping systems – Glass-reinforced thermosetting plastics (GRP) pipes and fittings – Methods for regression analysis and their use

23.040.70 Crijeva i crijevni sklopovi

Europska normizacija CEN

EN 13618:2016

Flexible hose assemblies in drinking water installations – Functional requirements and test methods

EN ISO 4641:2016

Rubber hoses and hose assemblies for water suction and discharge – Specification (ISO 4641:2016)

Međunarodna normizacija ISO

ISO 8033:2016

Rubber and plastics hoses – Determination of adhesion between components

23.060.01 Zaporni uređaji općenito

Međunarodna normizacija ISO

ISO 6553:2016

Automatic steam traps – Marking

23.060.40 Regulatori tlaka

Europska normizacija CEN

EN ISO 12209:2013/A1:2016

Gas cylinders – Outlet connections for gas cylinder valves for compressed breathable air – Amendment 1: Outlet connection up to a maximum cylinder working pressure of 500 bar (ISO 12209:2013/Amd 1:2016)

25.040.01 Sustavi industrijske automatizacije općenito

Europska normizacija CENELEC

EN 62952-1:2016

Power sources for a wireless communication device – Part 1: General requirements of power modules (IEC 62952-1:2016)

25.040.40 Mjerenje i upravljanje u industrijskim procesima

Međunarodna normizacija ISO

IEC 62264-3:2016

Enterprise-control system integration – Part 3: Activity models of manufacturing operations management

IEC

IEC 61987-11:2016

Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 11: Lists of properties (LOPs) of measuring equipment for electronic data exchange – Generic structures

IEC 61987-16:2016
Industrial-process measurement and control – Data structures and elements in process equipment catalogues – Part 16: Lists of properties (LOPs) for density measuring equipment for electronic data exchange

IEC 62264-3:2016
Enterprise-control system integration – Part 3: Activity models of manufacturing operations management

25.140.20 Električni alati

Međunarodna normizacija IEC

IEC 62841-3-4 Corrigendum 1:2016
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders; Corrigendum 1

25.140.30 Ručno pokretani alati

Međunarodna normizacija ISO

ISO 1085:2016
Assembly tools for screws and nuts – Double-ended wrenches – Size pairing

ISO 3318:2016
Assembly tools for screws and nuts – Open-ended wrenches, box wrenches and combination wrenches – Maximum widths of heads

25.160.40 Zavareni spojevi i zavari

Europska normizacija CEN

EN ISO 10675-1:2016
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 1: Steel, nickel, titanium and their alloys (ISO 10675-1:2016)

EN ISO 17635:2016
Non-destructive testing of welds – General rules for metallic materials (ISO 17635:2016)

EN ISO 17637:2016
Non-destructive testing of welds – Visual testing of fusion-welded joints (ISO 17637:2016)

Međunarodna normizacija ISO

ISO 10675-1:2016
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 1: Steel, nickel, titanium and their alloys

25.180.10 Električne peći

Međunarodna normizacija IEC

IEC 60519-12:2016
Safety in installations for electroheating and electromagnetic processing – Part 12: Particular requirements for infrared electroheating

25.220.40 Metalne prevlake

Međunarodna normizacija ISO

ISO 19487:2016
Metallic and other inorganic coatings – Electrodeposited nickel-ceramics composite coatings

27.060.30 Kotlovi i izmjenjivači topline

Europska normizacija CEN

EN 15502-2-1+A1:2016
Gas-fired central heating boilers – Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1000 kW

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Međunarodna normizacija ISO

ISO 22765:2016
Nuclear fuel technology – Sintered (U,Pu)O₂ pellets – Guidance for ceramographic preparation for microstructure examination

27.160 Solarna energetika

Europska normizacija CENELEC

CLC/TR 50670:2016
External fire exposure to roofs in combination with photovoltaic (PV) arrays – Test method(s)

EN 61215-1:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1: Test requirements (IEC 61215-1:2016)

EN 61853-2:2016
Photovoltaic (PV) module performance testing and energy rating – Part 2: Spectral responsivity, incidence angle and module operating temperature measurements (IEC 61853-2:2016)

EN 62108:2016
Concentrator photovoltaic (CPV) modules and assemblies – Design qualification and type approval (IEC 62108:2016)

EN 62788-1-4:2016
Measurement procedures for materials used in photovoltaic modules – Part 1-4: Encapsulants – Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength (IEC 62788-1-4:2016)

EN 62788-1-5:2016
Measurement procedures for materials used in photovoltaic modules – Part 1-5: Encapsulants – Measurement of change in linear dimensions of sheet encapsulation material resulting from applied thermal conditions (IEC 62788-1-5:2016)

Međunarodna normizacija IEC

IEC 61215-1-2:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules

IEC 61215-1-3:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules

IEC 61215-1-4:2016
Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)₂ based photovoltaic (PV) modules

IEC 62925:2016
Concentrator photovoltaic (CPV) modules – Thermal cycling test to differentiate increased thermal fatigue durability

27.180 Sustavi vjetroagregata

Međunarodna normizacija IEC

IEC 61400-25-6:2016
Wind energy generation systems – Part 25-6: Communications for monitoring and control of wind power plants – Logical node classes and data classes for condition monitoring

29.020 Elektrotehnika općenito

Europska normizacija CENELEC

EN 61078:2016
Reliability block diagrams (IEC 61078:2016)

Međunarodna normizacija IEC

IEC 60050-161 AMD 6:2016
International electrotechnical vocabulary – Part 161: Electromagnetic compatibility; Amendment 6

IEC 60050-300 AMD 2:2016
International electrotechnical vocabulary – Electrical and electronic measurements and measuring instruments – Part 314: Specific terms according to the type of instrument; Amendment 2

IEC 60050-561 AMD 1:2016
International electrotechnical vocabulary – Part 561: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection; Amendment 1

IEC 60050-701 AMD 1:2016
International electrotechnical vocabulary – Part 701: Telecommunications, channels and networks; Amendment 1

IEC 60050-702 AMD 2:2016
International electrotechnical vocabulary – Part 702: Oscillations, signals and related devices; Amendment 2

IEC 60050-705 AMD 2:2016
International electrotechnical vocabulary – Part 705: Radio wave propagation; Amendment 2

IEC 60050-721 AMD 1:2016
International electrotechnical vocabulary – Part 721: Telegraphy, facsimile and data communication; Amendment 1

IEC 60050-723 AMD 2:2016
International electrotechnical vocabulary – Part 723: Broadcasting: Sound, television, data; Amendment 2

IEC 60695-11-5:2016
Fire hazard testing – Part 11-5: Test flames – Needle-flame test method – Apparatus, confirmatory test arrangement and guidance

29.030 Magnetni materijali

Međunarodna normizacija IEC

IEC 60404-1:2016
Magnetic materials – Part 1: Classification

IEC 60404-8-6:2016
Magnetic materials – Part 8-6: Specifications for individual materials – Soft magnetic metallic materials

IEC 60404-10:2016
Magnetic materials – Part 10: Methods of measurement of magnetic properties of electrical steel strip and sheet at medium frequencies

IEC 60404-15 AMD 1:2016
Magnetic materials – Part 15: Methods for the determination of the relative magnetic permeability of feebly magnetic materials; Amendment 1

IEC 60404-15 Edition 1.1:2016
Magnetic materials – Part 15: Methods for the determination of the relative magnetic permeability of feebly magnetic materials

29.035.01 Izolacijski materijali općenito

Međunarodna normizacija IEC

IEC/TR 62899-250:2016
Printed electronics – Part 250: Material technologies required in printed electronics for wearable smart devices

29.035.20 Plastični i gumeni izolacijski materijali

Međunarodna normizacija IEC

IEC 60684-3-247 AMD 1:2016
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 247: Heatshrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall; Amendment 1

IEC 60684-3-247 Edition 1.1:2016
Flexible insulating sleeving – Part 3: Specifications for individual types of sleeving – Sheet 247: Heatshrinkable, polyolefin sleeving, dual wall, not flame retarded, thick and medium wall

29.050 Supravodljivost i vodljivi materijali

Međunarodna normizacija IEC

IEC 60050-815 AMD 1:2016
International electrotechnical vocabulary – Part 815: Superconductivity; Amendment 1

29.100.10 Magnetski sastavni dijelovi

Europska normizacija CENELEC

EN 62317-12:2016
Ferrite cores – Dimensions – Part 12: Ring cores (IEC 62317-12:2016)

29.120.50 Osigurači i ostale naprave za nadstrujnu zaštitu

Europska normizacija CENELEC

EN 60269-4:2009/A2:2016
Low-voltage fuses – Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices (IEC 60269-4:2009/A2:2016)

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 50052:2016
High-voltage switchgear and controlgear – Gas-filled cast aluminium alloy enclosures

29.140.40 Rasvjetna tijela

Međunarodna normizacija IEC

IEC 60598-2-20 Corrigendum 1:2016
Luminaires – Part 2-20: Particular requirements – Lighting chains; Corrigendum 1

IEC 60598-2-21 Corrigendum 1:2016
Luminaires – Part 2-: 21: Particular requirements – Rope
lights; Corrigendum 1

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Europska normizacija
CENELEC

EN 60700-2:2016
Thyristor valves for high voltage direct current (HVDC) power
transmission – Part 2: Terminology (IEC 60700-2:2016)

Međunarodna normizacija
IEC

IEC/TR 63071:2016
Power supplying scheme for wearable systems and
equipment

29.220.01 Galvanski članci i baterije općenito

Međunarodna normizacija
IEC

IEC 62281:2016
Safety of primary and secondary lithium cells and batteries
during transport

29.220.10 Primarni članci i baterije

Europska normizacija
CENELEC

EN 62952-2:2016
Power sources for a wireless communication device – Part 2:
Profile for power modules with batteries (IEC 62952-2:2016)

29.240.01 Mreže za prijenos i razdiobu električne energije općenito

Međunarodna normizacija
IEC

IEC/TR 63042-100:2016
UHV AC transmission systems – Part 100: General
information

29.240.20 Vodovi za prijenos i razdiobu električne energije

Europska normizacija
CENELEC

EN 50341-2-16:2016
Overhead electrical lines exceeding AC 1 kV – Part 2-16:
National Normative Aspects (NNA) for NORWAY (based on
EN 50341-1:2012)

EN 50341-2-18:2016
Overhead electrical lines exceeding AC 1 kV – Part 2-18:
National Normative Aspects (NNA) for Sweden (based on
EN 50341-1:2012)

EN 50341-2-23:2016
Overhead electrical lines exceeding AC 1 kV – Part 2-23:
National Normative Aspects (NNA) for SLOVAKIA (based on
EN 50341-1:2012)

29.260.20 Električni uređaji za eksplozivnu atmosferu

Europska normizacija
CEN

EN ISO/IEC 80079-38:2016
Explosive atmospheres – Part 38: Equipment and
components in explosive atmospheres in underground mines
(ISO/IEC 80079-38:2016)

29.280 Oprema za električnu vuču

Međunarodna normizacija
IEC

IEC/TR 62278-4:2016
Railway applications – Specification and demonstration of
reliability, availability, maintainability and safety (RAMS)
– Part 4: RAM risk and RAM life cycle aspects

31.020 Elektronički sastavni dijelovi općenito

Međunarodna normizacija
IEC

IEC 60050-702 AMD 2:2016
International electrotechnical vocabulary – Part 702:
Oscillations, signals and related devices; Amendment 2

31.040.01 Otpornici općenito

Europska normizacija
CENELEC

EN 60062:2016/AC:2016
Marking codes for resistors and capacitors
(IEC 60062:2016/COR1:2016)

Međunarodna normizacija
IEC

IEC 60062 Corrigendum 1:2016
Marking codes for resistors and capacitors; Corrigendum 1

31.040.10 Nepromjenjivi otpornici

Europska normizacija
CENELEC

EN 140402:2015/A1:2016
Blank Detail Specification: Fixed low power wirewound
surface mount (SMD) resistors

31.060.01 Kondenzatori općenito

Europska normizacija
CENELEC

EN 60062:2016/AC:2016
Marking codes for resistors and capacitors
(IEC 60062:2016/COR1:2016)

Međunarodna normizacija
IEC

IEC 60062 Corrigendum 1:2016
Marking codes for resistors and capacitors; Corrigendum 1

31.060.40 Tantalovi elektrolitski kondenzatori

Međunarodna normizacija
IEC

IEC 60384-24 Corrigendum 1:2016
Fixed capacitors for use in electronic equipment – Part 24:
Sectional specification – Fixed tantalum electrolytic surface
mount capacitors with conductive polymer solid electrolyte;
Corrigendum 1

31.060.99 Ostali kondenzatori

Europska normizacija
CENELEC

EN 62391-1:2016/AC:2016
Fixed electric double-layer capacitors for use in electric
and electronic equipment – Part 1: Generic specification
(IEC 62391-1:2015/COR1:2016)

Međunarodna normizacija IEC

IEC 62391-1 Corrigendum 1:2016
Fixed electric double-layer capacitors for use in electric and electronic equipment – Part 1: Generic specification; Corrigendum 1

31.080.20 Tiristori

Europska normizacija CENELEC

EN 60700-2:2016
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology (IEC 60700-2:2016)

31.140 Piezoelektrične naprave

Europska normizacija CENELEC

EN 62276:2016
Single crystal wafers for surface acoustic wave (SAW) device applications – Specifications and measuring methods (IEC 62276:2016)

Međunarodna normizacija IEC

IEC 60050-561 AMD 1:2016
International electrotechnical vocabulary – Part 561: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection; Amendment 1

IEC 60444-8:2016
Measurement of quartz crystal unit parameters – Part 8: Test fixture for surface mounted quartz crystal units

31.180 Tiskani krugovi i pločice

Međunarodna normizacija IEC

IEC/TR 62899-250:2016
Printed electronics – Part 250: Material technologies required in printed electronics for wearable smart devices

31.220.10 Utikačke i utičničke naprave. Konektori

Europska normizacija CENELEC

EN 61076-3-110:2016
Connectors for electronic equipment – Product requirements – Part 3-110: Detail specification for free and fixed connectors for data transmission with frequencies up to 3000 MHz (IEC 61076-3-110:2016)

31.240 Mehaničke konstrukcije za elektroničku opremu

Europska normizacija CENELEC

EN 60191-6-13:2016
Mechanical standardization of semiconductor devices – Part 6-13: Design guideline of open-top-type sockets for Fine-pitch Ball Grid Array (FBGA) and Fine-pitch Land Grid Array (FLGA) (IEC 60191-6-13:2016)

Međunarodna normizacija IEC

IEC 61587-1:2016
Mechanical structures for electronic equipment – Tests for IEC 60917 and IEC 60297 series – Part 1: Environmental requirements, test set-up and safety aspects for cabinets, racks, subracks and chassis under indoor condition use and transportation

33.020 Telekomunikacije općenito

Međunarodna normizacija IEC

IEC 60050-701 AMD 1:2016
International electrotechnical vocabulary – Part 701: Telecommunications, channels and networks; Amendment 1

IEC 60050-704 AMD 1:2016
International electrotechnical vocabulary – Part 704: Transmission; Amendment 1

IEC 60050-725 AMD 1:2016
International electrotechnical vocabulary – Part 725: Space radiocommunications; Amendment 1

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

ETSI ES 203408 V 1.1.1:2016
Environmental Engineering (EE) – Colour and marking of DC cable and connecting devices

ETSI TR 103349 V 1.1.1:2016
Human Factors (HF) – Functional needs of people with cognitive disabilities when using mobile ICT devices for an improved user experience in mobile ICT devices

ETSI TS 119142-3 V 1.1.1:2016
Electronic Signatures and Infrastructures (ESI) – PAdES digital signatures – Part 3: PAdES Document Time-stamp digital signatures (PAdES-DTS)

Međunarodna normizacija IEC

IEC 60050-715 AMD 1:2016
International electrotechnical vocabulary – Part 715: Telecommunication networks, teletraffic and operation; Amendment 1

IEC 60050-721 AMD 1:2016
International electrotechnical vocabulary – Part 721: Telegraphy, facsimile and data communication; Amendment 1

33.040.20 Prijenosni sustavi

Međunarodna normizacija IEC

IEC 61970-301:2016
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base

33.040.40 Mreže za prijenos podataka

Međunarodna normizacija IEC

IEC 60050-732 AMD 2:2016
International electrotechnical vocabulary – Part 732: Computer network technology; Amendment 2

33.060.01 Radiokomunikacije općenito

Europska normizacija CENELEC

EN 62952-1:2016
Power sources for a wireless communication device – Part 1: General requirements of power modules (IEC 62952-1:2016)

Međunarodna normizacija IEC

IEC 60050-705 AMD 2:2016
International electrotechnical vocabulary – Part 705: Radio wave propagation; Amendment 2

IEC 60050-713 AMD 1:2016
International electrotechnical vocabulary – Part 713:
Radiocommunications: transmitters, receivers, networks and
operation; Amendment 1

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

- EN 300113 V 2.2.1:2016
Land Mobile Service – Radio equipment intended for the
transmission of data (and/or speech) using constant or
non-constant envelope modulation and having an antenna
connector – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
- EN 300220-3-1 V 2.1.1:2016
Short Range Devices (SRD) operating in the frequency
range 25 MHz to 1000 MHz – Part 3-1: Harmonised
Standard covering the essential requirements of article 3.2 of
Directive 2014/53/EU – Low duty cycle high reliability
equipment, social alarms equipment operating on designated
frequencies (869,200 MHz to 869,250 MHz)
- EN 302372 V 2.1.1:2016
Short Range Devices (SRD) – Tank Level Probing Radar
(TLPR) equipment operating in the frequency ranges
4,5 GHz to 7 GHz, 8,5 GHz to 10,6 GHz, 24,05 GHz to 27 GHz,
57 GHz to 64 GHz, 75 GHz to 85 GHz – Harmonised
Standard covering the essential requirements of article 3.2 of
the Directive 2014/53/EU
- EN 302729 V 2.1.1:2016
Short Range Devices (SRD) – Level Probing Radar (LPR)
equipment operating in the frequency ranges 6 GHz to
8,5 GHz, 24,05 GHz to 26,5 GHz, 57 GHz to 64 GHz, 75 GHz
to 85 GHz – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU
- EN 302858 V 2.1.1:2016
Short Range Devices – Transport and Traffic Telematics
(TTT) – Radar equipment operating in the 24,05 GHz to
24,25 GHz or 24,05 GHz to 24,50 GHz range – Harmonised
Standard covering the essential requirements of article 3.2 of
the Directive 2014/53/EU
- EN 303396 V 1.1.1:2016
Short Range Devices – Measurement Techniques for
Automotive and Surveillance Radar Equipment

33.060.99 Ostala oprema za radiokomunikacije

Europska normizacija CENELEC

- EN 62952-2:2016
Power sources for a wireless communication device – Part 2:
Profile for power modules with batteries (IEC 62952-2:2016)

33.070.40 Sateliti

Europska normizacija ETSI

- ETSI TR 103444 V 1.1.1:2016
Satellite Earth Stations and Systems (SES) – Broadband
Satellite Multimedia (BSM) – Guide to Satellite Independent
Service Access Point (SI-SAP) use

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

- ETSI TS 126244 V 13.4.1:2016
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Transparent end-to-end packet switched
streaming service (PSS) – 3GPP file format (3GPP)
(3GPP TS 26.244 version 13.4.1 Release 13)

ETSI TS 126445 V 12.8.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Codec for Enhanced Voice Services (EVS) – Detailed
algorithmic description (3GPP TS 26.445 version 13.3.0 Release 13)

ETSI TS 126445 V 13.3.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Codec for Enhanced Voice Services (EVS) – Detailed
algorithmic description (3GPP TS 26.445 version 13.3.0 Release 13)

ETSI TS 129165 V 11.18.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 11.18.0 Release 11)

ETSI TS 129165 V 12.13.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 12.13.0 Release 12)

ETSI TS 129165 V 13.6.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 13.6.0 Release 13)

ETSI TS 129212 V 13.7.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE
– Policy and Charging Control (PCC) – Reference points
(3GPP TS 29.212 version 13.7.0 Release 13)

ETSI TS 129213 V 10.14.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control signalling flows
and Quality of Service (QoS) parameter mapping
(3GPP TS 29.213 version 10.14.0 Release 10)

ETSI TS 129213 V 11.15.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control signalling flows
and Quality of Service (QoS) parameter mapping
(3GPP TS 29.213 version 11.15.0 Release 11)

ETSI TS 129213 V 12.13.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control signalling flows
and Quality of Service (QoS) parameter mapping
(3GPP TS 29.213 version 12.13.0 Release 12)

ETSI TS 129213 V 13.7.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control signalling flows
and Quality of Service (QoS) parameter mapping
(3GPP TS 29.213 version 13.7.0 Release 13)

ETSI TS 129214 V 13.7.0:2016
Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control over Rx reference point
(3GPP TS 29.214 version 13.7.0 Release 13)

ETSI TS 129215 V 13.7.0:2016
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and Charging Control (PCC) over S9 reference
point – Stage 3 (3GPP TS 29.215 version 13.7.0 Release 13)

ETSI TS 129217 V 13.5.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE
– Policy and Charging Control (PCC) – Congestion reporting
over Np reference point (3GPP TS 29.217 version 13.5.0 Release 13)

ETSI TS 134108 V 12.3.0:2016
Universal Mobile Telecommunications System (UMTS) – LTE
– Common test environments for User Equipment (UE)
– Conformance testing (3GPP TS 34.108 version 12.3.0 Release 12)

ETSI TS 134121-1 V 13.1.0:2016
Universal Mobile Telecommunications System (UMTS)
– User Equipment (UE) conformance specification – Radio
transmission and reception (FDD) – Part 1: Conformance
specification (3GPP TS 34.121-1 version 13.1.0 Release 13)

ETSI TS 134122 V 11.13.0:2016
Universal Mobile Telecommunications System (UMTS)
– Terminal conformance specification – Radio transmission
and reception (TDD) (3GPP TS 34.122 version 11.13.0 Release 11)

ETSI TS 134123-3 V 12.5.0:2016
Universal Mobile Telecommunications System (UMTS) – User
Equipment (UE) conformance specification – Part 3: Abstract
test suite (ATS) (3GPP TS 34.123-3 version 12.5.0 Release 12)

ETSI TS 134123-3 V 13.0.0:2016
Universal Mobile Telecommunications System (UMTS) – User
Equipment (UE) conformance specification – Part 3: Abstract
test suite (ATS) (3GPP TS 34.123-3 version 13.0.0 Release 13)

ETSI TR 134902 V 11.3.0:2016
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – Derivation of test tolerances for multi-cell
Radio Resource Management (RRM) conformance tests
(3GPP TR 34.902 version 11.3.0 Release 11)

ETSI TS 136101 V 10.23.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 10.23.0 Release 10)

ETSI TS 136101 V 11.18.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 11.18.0 Release 11)

ETSI TS 136101 V 12.13.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 12.13.0 Release 12)

ETSI TS 136101 V 13.5.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) radio transmission and reception
(3GPP TS 36.101 version 13.5.0 Release 13)

ETSI TS 136300 V 13.5.0:2016
LTE – Evolved Universal Terrestrial Radio Access
(E-UTRA) and Evolved Universal Terrestrial Radio Access
Network (E-UTRAN) – Overall description – Stage 2
(3GPP TS 36.300 version 13.5.0 Release 13)

ETSI TS 136331 V 12.11.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– Radio Resource Control (RRC) – Protocol specification
(3GPP TS 36.331 version 12.11.0 Release 12)

ETSI TS 136508 V 13.1.0:2016
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 13.1.0 Release 13)

ETSI TS 136521-3 V 12.11.0:2016
LTE – Evolved Universal Terrestrial Radio Access (E-UTRA)
– User Equipment (UE) conformance specification
– Radio transmission and reception – Part 3: Radio
Resource Management (RRM) conformance testing
(3GPP TS 36.521-3 version 12.11.0 Release 12)

ETSI TS 136523-3 V 12.7.0:2016
LTE – Evolved Universal Terrestrial Radio Access
(E-UTRA) and Evolved Packet Core (EPC) – User Equipment
(UE) conformance specification – Part 3: Test suites
(3GPP TS 36.523-3 version 12.7.0 Release 12)

ETSI TS 136523-3 V 13.0.0:2016
LTE – Evolved Universal Terrestrial Radio Access
(E-UTRA) and Evolved Packet Core (EPC) – User Equipment
(UE) conformance specification – Part 3: Test suites
(3GPP TS 36.523-3 version 13.0.0 Release 13)

33.100.01 Elektromagnetska kompatibilnost općenito

Međunarodna normizacija IEC

IEC 60050-161 AMD 6:2016
International electrotechnical vocabulary – Part 161:
Electromagnetic compatibility; Amendment 6

IEC 61000-4-30 Corrigendum 1:2016
Electromagnetic compatibility (EMC) – Part 4-30: Testing
and measurement techniques – Power quality measurement
methods; Corrigendum 1

CISPR 16-1-5 AMD 1:2016
Specification for radio disturbance and immunity measuring
apparatus and methods – Part 1-5: Radio disturbance and
immunity measuring apparatus – Antenna calibration sites
and reference test sites for 5 MHz to 18 GHz; Amendment 1

CISPR 16-1-5 Edition 2.1:2016
Specification for radio disturbance and immunity measuring
apparatus and methods – Part 1-5: Radio disturbance and
immunity measuring apparatus – Antenna calibration sites
and reference test sites for 5 MHz to 18 GHz

33.100.10 Zračenje

Europska normizacija ETSI

EN 300220-3-1 V 2.1.1:2016
Short Range Devices (SRD) operating in the frequency
range 25 MHz to 1000 MHz – Part 3-1: Harmonised
Standard covering the essential requirements of article 3.2 of
Directive 2014/53/EU – Low duty cycle high reliability
equipment, social alarms equipment operating on designated
frequencies (869,200 MHz to 869,250 MHz)

33.120.10 Koaksijalni kabeli. Valovodi

Europska normizacija CENELEC

EN 50289-1-11:2016
Communication cables – Specifications for test methods
– Part 1-11: Electrical test methods – Characteristic
impedance, input impedance, return loss

EN 60154-2:2016
Flanges for waveguides – Part 2: Relevant specifications for
flanges for ordinary rectangular waveguides (IEC 60154-2:2016)

Međunarodna normizacija IEC

IEC 60050-726 AMD 1:2016
International electrotechnical vocabulary – Part 726:
Transmission lines and waveguides; Amendment 1

33.120.30 RF konektori

Europska normizacija CENELEC

EN 61169-54:2016
Radio-frequency connectors – Part 54: Sectional specification
for coaxial connectors with 10 mm inner diameter of outer
conductor, nominal characteristic impedance 50 Ω, series
4,3-10 (IEC 61169-54:2016)

EN 61169-58:2016
Radio-frequency connectors – Part 58: Sectional specification
for RF coaxial connectors with blind-mate coupling
– Characteristic impedance 50 Ω (type SBMA)
(IEC 61169-58:2016)

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Međunarodna normizacija IEC

IEC 60050-723 AMD 2:2016
International electrotechnical vocabulary – Part 723:
Broadcasting: Sound, television, data; Amendment 2

IEC 60065 Corrigendum 2:2016
Audio, video and similar electronic apparatus – Safety-
requirements; Corrigendum 2

IEC 62827-3:2016
Wireless power transfer – Management – Part 3: Multiple source control management

IEC/TR 63071:2016
Power supplying scheme for wearable systems and equipment

33.160.25 Televizijski prijamnici

Međunarodna normizacija IEC

IEC 62944:2016
Audio, video and multimedia systems and equipment – Digital television accessibility – Functional specifications

33.160.50 Pribor

Međunarodna normizacija IEC

IEC 61094-3 Corrigendum 1:2016
Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique; Corrigendum 1

33.170 Televizijski i radijski prijenos

Međunarodna normizacija IEC

IEC 62766-2-1:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 2-1: Media formats

IEC 62766-2-2:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 2-2: HTTP adaptive streaming

IEC 62766-3:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 3: Content metadata

33.180.01 Svjetlovodni sustavi općenito

Međunarodna normizacija IEC

IEC 60050-731 AMD 1:2016
International electrotechnical vocabulary – Part 731: Optical fibre communication; Amendment 1

33.180.10 Svjetlovodna vlakna i kabeli

Europska normizacija CENELEC

EN 60794-3-20:2016
Optical fibre cables – Part 3-20: Outdoor cables – Family specification for self-supporting aerial telecommunication cables (IEC 60794-3-20:2016)

EN 60794-5:2016
Optical fibre cables – Part 5: Sectional specification – Microduct cabling for installation by blowing (IEC 60794-5:2014)

Međunarodna normizacija IEC

IEC 60794-2-22:2016
Optical fibre cables – Part 2-22: Indoor cables – Detail specification for multi-simplex breakout optical cables to be terminated with connectors

33.180.20 Svjetlovodni vezne naprave

Europska normizacija CENELEC

EN 61300-1:2016
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance (IEC 61300-1:2016)

EN 61300-3-25:2016
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-25: Examinations and measurements – Concentricity of non-angled ferrules and non-angled ferrules with fibre installed (IEC 61300-3-25:2016)

Međunarodna normizacija IEC

IEC 61202-1:2016
Fibre optic interconnecting devices and passive components – Fibre optic isolators – Part 1: Generic specification

IEC 61755-3-10:2016
Fibre optic interconnecting devices and passive components – Connector optical interfaces – Part 3-10: Connector parameters of non-dispersion shifted single mode physically contacting fibres – Non-angled, ferrule-less, bore alignment connectors

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija CENELEC

EN 62056-4-7:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 4-7: DLMS/COSEM transport layer for IP networks (IEC 62056-4-7:2015)

EN 62056-5-3:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2016)

EN 62056-7-5:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 7-5: Local data transmission profiles for Local Networks (LN) (IEC 62056-7-5:2016)

35.030 Sigurnost u informacijskoj tehnologiji

Međunarodna normizacija ISO/IEC

ISO/IEC 18367:2016
Information technology – Security techniques – Cryptographic algorithms and security mechanisms conformance testing

ISO/IEC 27004:2016
Information technology – Security techniques – Information security management – Monitoring, measurement, analysis and evaluation

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO

ISO/IEC 14496-10 AMD 3:2016
Information technology – Coding of audio-visual objects – Part 10: Advanced Video Coding – Amendment 3: Additional supplemental enhancement information

ISO/IEC 14496-16 AMD 3:2016
Information technology – Coding of audio-visual objects – Part 16: Animation Framework eXtension (AFX) – Amendment 3: Printing material and 3D graphics coding for browsers

ISO/IEC 21000-20:2016
Information technology – Multimedia framework (MPEG-21)
– Part 20: Contract Expression Language

ISO/IEC 23003-1 AMD 3:2016
Information technology – MPEG audio technologies – Part 1:
MPEG Surround – Amendment 1: MPEG Surround extension
for 3D Audio

ISO/IEC 23006-2:2016
Information technology – Multimedia service platform
technologies – Part 2: MPEG extensible middleware (MXM)
API

ISO/IEC 23006-3:2016
Information technology – Multimedia service platform
technologies – Part 3: Conformance and reference software

IEC

ISO/IEC 14496-10 AMD 3:2016
Information technology – Coding of audio-visual objects
– Part 10: Advanced Video Coding – Amendment 3: Additional
supplemental enhancement information

ISO/IEC 14496-16 AMD 3:2016
Information technology – Coding of audio-visual objects
– Part 16: Animation Framework eXtension (AFX)
– Amendment 3: Printing material and 3D graphics coding for
browsers

ISO/IEC 21000-20:2016
Information technology – Multimedia framework (MPEG-21)
– Part 20: Contract Expression Language

ISO/IEC 23003-1 AMD 3:2016
Information technology – MPEG audio technologies – Part 1:
MPEG Surround – Amendment 1: MPEG Surround extension
for 3D Audio

ISO/IEC 23006-2:2016
Information technology – Multimedia service platform
technologies – Part 2: MPEG extensible middleware (MXM)
API

ISO/IEC 23006-3:2016
Information technology – Multimedia service platform
technologies – Part 3: Conformance and reference software

IEC 60050-704 AMD 1:2016
International electrotechnical vocabulary – Part 704:
Transmission; Amendment 1

35.040.50 Tehnike automatskog prepoznavanja i preuzimanja podataka

Međunarodna normizacija
ISO/IEC

ISO/IEC 15416:2016-12
Automatic identification and data capture techniques – Bar
code print quality test specification – Linear symbols

35.040.99 Ostale norme koje se odnose na kodiranje informacija

Međunarodna normizacija
IEC

IEC 61987-16:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 16:
Lists of properties (LOPs) for density measuring equipment
for electronic data exchange

35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

Međunarodna normizacija
ISO/IEC

ISO/IEC 9075-1:2016
Information technology – Database languages – SQL – Part 1:
Framework (SQL/Framework)

ISO/IEC 9075-2:2016
Information technology – Database languages – SQL – Part 2:
Foundation (SQL/Foundation)

ISO/IEC 9075-3:2016
Information technology – Database languages – SQL – Part 3:
Call-Level Interface (SQL/CLI)

ISO/IEC 9075-4:2016
Information technology – Database languages – SQL – Part 4:
Persistent stored modules (SQL/PSM)

ISO/IEC 9075-9:2016
Information technology – Database languages – SQL – Part 9:
Management of External Data (SQL/MED)

ISO/IEC 9075-10:2016
Information technology – Database languages – SQL – Part 10:
Object language bindings (SQL/OLB)

ISO/IEC 9075-11:2016
Information technology – Database languages – SQL – Part 11:
Information and definition schemas (SQL/Schemata)

ISO/IEC 9075-13:2016
Information technology – Database languages – SQL – Part 13:
SQL Routines and types using the Java™ programming
language (SQL/JRT)

ISO/IEC 9075-14:2016
Information technology – Database languages – SQL – Part 14:
XML-Related Specifications (SQL/XML)

ISO/IEC TR 19075-5:2016
Information technology – Database languages – SQL
Technical Reports – Part 5: Row Pattern Recognition in SQL

ISO/IEC TR 30114-1:2016
Information technology – Extensions of Office Open XML file
formats – Part 1: Guidelines

35.080 Softver (programaska podrška)

Međunarodna normizacija
ISO/IEC

ISO/IEC 26557:2016
Software and systems engineering – Methods and tools for
variability mechanisms in software and systems product line

35.100.20 Sloj veze između podataka

Međunarodna normizacija
IEC

IEC 61987-11:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 11: Lists
of properties (LOPs) of measuring equipment for electronic
data exchange – Generic structures

35.100.40 Prijenosni sloj

Europska normizacija
CENELEC

EN 62056-4-7:2016
Electricity metering data exchange – The DLMS/COSEM suite
– Part 4-7: DLMS/COSEM transport layer for IP networks
(IEC 62056-4-7:2015)

35.100.70 Sloj primjene

Europska normizacija
CENELEC

EN 62056-5-3:2016
Electricity metering data exchange – The DLMS/COSEM
suite – Part 5-3: DLMS/COSEM application layer
(IEC 62056-5-3:2016)

Međunarodna normizacija ISO/IEC

ISO/IEC 20802-1:2016
Information technology – Open data protocol (OData) v4.0
– Part 2: OData JSON Format

ISO/IEC 20802-2:2016
Information technology – Open data protocol (OData) v4.0
– Part 2: OData JSON Format

35.110 Umrežavanje

Međunarodna normizacija ISO

ISO/IEC 19637:2016
Information technology – Sensor network testing framework

35.160 Mikroprocesorski sustavi

Međunarodna normizacija IEC

IEC 62453-1:2016
Field device tool (FDT) interface specification – Part 1:
Overview and guidance

IEC 62453-2:2016
Field device tool (FDT) interface specification – Part 2:
Concepts and detailed description

35.200 Sučelna i spojna oprema

Europska normizacija CENELEC

EN 62680-1-3:2016
Universal serial bus interfaces for data and power – Part 1-3:
Universal Serial Bus interfaces – Common components
– USB Type-CTM cable and connector specification
(IEC 62680-1-3:2016)

35.240.15 Identifikacijske kartice i pripadajuće naprave

Međunarodna normizacija ISO/IEC

ISO/IEC 14443-3 AMD 1:2016
Identification cards – Contactless integrated circuit cards
– Proximity cards – Part 3: Initialization and anticollision
– Amendment 1: RFU handling rules

ISO/IEC 14443-4 AMD 1:2016
Identification cards – Contactless integrated circuit cards
– Proximity cards – Part 4: Transmission protocol
– Amendment 1: RFU handling rules

ISO/IEC 19794-5 AMD 2 Technical Corrigendum 1:2016
Information technology – Biometric data interchange formats
– Part 5: Face image data – Amendment 2: XML encoding
and clarification of defects; Technical Corrigendum 1

35.240.30 Primjene IT-a u obavješćivanju, dokumentaciji i izdavaštvu

Međunarodna normizacija ISO

ISO 19444-1:2016
Document management – XML Forms Data Format – Part 1:
Use of ISO 32000-2 (XFDF 3.0)

ISO/IEC TR 30114-1:2016
Information technology – Extensions of Office Open XML file
formats – Part 1: Guidelines

IEC

ISO/IEC TR 30114-1:2016
Information technology – Extensions of Office Open XML file
formats – Part 1: Guidelines

IEC 61987-16:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 16:
Lists of properties (LOPs) for density measuring equipment
for electronic data exchange

35.240.50 Primjene IT-a u industriji

Europska normizacija CENELEC

EN 62264-5:2016
Enterprise-control system integration – Part 5: Business to
manufacturing transactions (IEC 62264-5:2016)

EN 62952-1:2016
Power sources for a wireless communication device – Part 1:
General requirements of power modules (IEC 62952-1:2016)

Međunarodna normizacija IEC

IEC 61970-301:2016
Energy management system application program interface
(EMS-API) – Part 301: Common information model (CIM)
base

IEC 61987-11:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 11: Lists
of properties (LOPs) of measuring equipment for electronic
data exchange – Generic structures

IEC 61987-16:2016
Industrial-process measurement and control – Data structures
and elements in process equipment catalogues – Part 16:
Lists of properties (LOPs) for density measuring equipment
for electronic data exchange

IEC 62264-3:2016
Enterprise-control system integration – Part 3: Activity models
of manufacturing operations management

IEC 62453-1:2016
Field device tool (FDT) interface specification – Part 1:
Overview and guidance

IEC 62453-2:2016
Field device tool (FDT) interface specification – Part 2:
Concepts and detailed description

IEC/TR 62899-250:2016
Printed electronics – Part 250: Material technologies required
in printed electronics for wearable smart devices

35.240.60 Primjene IT-a u prijevozu i trgovini

Europska normizacija CENELEC

CLC/TR 50542-2:2016
Railway applications – Driver's cab Train Display Controller
(TDC) – Part 2: Display systems FIS

CLC/TR 50542-3:2016
Railway applications – Driver's cab train Display Controller
(TDC) – Part 3: Other train systems FIS

EN ISO 13140-1:2016
Electronic fee collection – Evaluation of on-board and roadside
equipment for conformity to ISO 13141 – Part 1: Test suite
structure and test purposes (ISO 13140-1:2016)

EN ISO 13140-2:2016
Electronic fee collection – Evaluation of on-board and roadside
equipment for conformity to EN ISO 13141 – Part 2: Abstract
test suite (ISO 13140-2:2016)

EN ISO 13143-1:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes (ISO 13143-1:2016)

EN ISO 13143-2:2016
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to EN ISO/TS 12813 – Part 2: Abstract test suite (ISO 13143-2:2016)

35.240.70 Primjene IT-a u znanosti

Europska normizacija CEN

EN ISO 19110:2016
Geographic information – Methodology for feature cataloguing (ISO 19110:2016)

Međunarodna normizacija ISO

ISO 19110:2016
Geographic information – Methodology for feature cataloguing

35.240.80 Primjene IT-a u tehnologiji zaštite zdravlja

Europska normizacija CEN

EN ISO 21549-7:2016
Health informatics – Patient healthcard data – Part 7: Medication data (ISO 21549-7:2016)

35.240.90 IT aplikacije za obrazovanje

Međunarodna normizacija ISO/IEC

ISO/IEC 19788-2 AMD 1:2016
Information technology – Learning, education and training – Metadata for learning resources – Part 2: Dublin Core elements – Amendment 1: Non-literal content value data elements

ISO/IEC TR 20748-1:2016
Information technology for learning, education and training – Learning analytics interoperability – Part 1: Reference model

35.240.95 Internetske aplikacije

Međunarodna normizacija IEC

IEC 62766-2-1:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 2-1: Media formats

IEC 62766-2-2:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 2-2: HTTP adaptive streaming

IEC 62766-3:2016
Consumer terminal function for access to IPTV and open internet multimedia services – Part 3: Content metadata

35.240.99 Primjene IT-a u ostalim područjima

Europska normizacija CENELEC

EN 62056-4-7:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 4-7: DLMS/COSEM transport layer for IP networks (IEC 62056-4-7:2015)

EN 62056-5-3:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2016)

EN 62056-7-5:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 7-5: Local data transmission profiles for Local Networks (LN) (IEC 62056-7-5:2016)

37.100.99 Ostale norme koje se odnose na grafičku tehnologiju

Međunarodna normizacija ISO

ISO 19444-1:2016
Document management – XML Forms Data Format – Part 1: Use of ISO 32000-2 (XDF 3.0)

43.040.15 Informatika vozila. Računalni sustavi u vozilu

Međunarodna normizacija ISO

ISO 11898-2:2016
Road vehicles – Controller area network (CAN) – Part 2: High-speed medium access unit

ISO 17987-7:2016
Road vehicles – Local Interconnect Network (LIN) – Part 7: Electrical Physical Layer (EPL) conformance test specification

43.060.40 Sustavi goriva

Međunarodna normizacija ISO

ISO 8535-1:2016
Diesel engines – Steel tubes for high-pressure fuel injection pipes – Part 1: Requirements for seamless cold-drawn single-wall tubes

ISO 13296:2016
Diesel engines – High-pressure fuel injection pipe assemblies – General requirements and dimensions

ISO 13775-2:2016
Thermoplastic tubing and hoses for automotive use – Part 2: Petroleum-based-fuel applications

ISO 13948-2:2016
Diesel engines – Fuel injection pumps and fuel injector low-pressure connections – Part 2: Non-threaded (push-on) connections

43.120 Električna cestovna vozila

Međunarodna normizacija ISO/IEC

IEC 62752:2016
In-Cable Control and Protection Device for mode 2 charging of electric road vehicles (IC-CPD)

45.020 Željeznička tehnika općenito

Europska normizacija CEN

EN 16584-1:2017
Railway applications – Design for PRM use – General requirements – Part 1: Contrast

EN 16584-2:2017
Railway applications – Design for PRM use – General requirements – Part 2: Information

EN 16584-3:2017
Railway applications – Design for PRM use – General requirements – Part 3: Optical and friction characteristics

CENELEC

CLC/TR 50542-2:2016
Railway applications – Driver's cab Train Display Controller (TDC) – Part 2: Display systems FIS

CLC/TR 50542-3:2016
Railway applications – Driver's cab train Display Controller (TDC) – Part 3: Other train systems FIS

Međunarodna normizacija IEC

IEC/TR 62278-4:2016
Railway applications – Specification and demonstration of reliability, availability, maintainability and safety (RAMS) – Part 4: RAM risk and RAM life cycle aspects

47.020.40 Oprema za dizanje i rukovanje teretom

Međunarodna normizacija ISO

ISO 19355:2016
Ships and marine technology – Marine cranes – Structural requirements

47.020.70 Oprema za navigaciju i upravljanje

Europska normizacija CENELEC

EN 61162-1:2016
Maritime navigation and radiocommunication equipment and systems – Digital interfaces – Part 1: Single talker and multiple listeners (IEC 61162-1:2016)

47.020.80 Smještajni prostori

Međunarodna normizacija ISO

ISO 20283-5:2016
Mechanical vibration – Measurement of vibration on ships – Part 5: Guidelines for measurement, evaluation and reporting of vibration with regard to habitability on passenger and merchant ships

49.030.30 Matice

Europska normizacija CEN

EN 2811:2016
Aerospace series – Nuts, hexagon, slotted/ castellated in steel cadmium plated – Classification: 1100 MPa/235 °C

EN 3672:2016
Aerospace series – Shank nuts, self-locking, in heat resisting nickel base alloy NI-P101HT (Waspaloy), silver plated, for 30° swage – Classification: 1210 MPa (at ambient temperature)/ 730 °C

EN 4309:2016
Aerospace series – Nuts, hexagon, self-locking by plastic ring, normal height, normal across flats, in alloy steel, cadmium plated – Classification: 900 MPa (at ambient temperature)/120 °C

49.030.50 Podložne pločice i ostali sigurnosni elementi

Europska normizacija CEN

EN 3902:2016
Aerospace series – Washers for rivet assemblies, in aluminium alloy, anodized, metric series

49.060 Zrakoplovna električna oprema i sustavi

Europska normizacija CEN

EN 2714-002:2016
Aerospace series – Cables, electrical, single and multicore for general purpose – Operating temperatures between – 55 °C and 260 °C – Part 002: Screened and jacketed – General

EN 4644-002:2016
Aerospace series – Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous – Part 002: Specification of performance and contact arrangements

EN 4644-142:2016
Aerospace series – Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous – Part 142: Size 4 receptacle for rack and panel application, class C and D – Product standard

EN 6059-202:2016
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 202: Dimensions and mass

49.090 Oprema i instrumenti u zrakoplovu

Europska normizacija CEN

EN 4644-002:2016
Aerospace series – Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous – Part 002: Specification of performance and contact arrangements

EN 4644-142:2016
Aerospace series – Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous – Part 142: Size 4 receptacle for rack and panel application, class C and D – Product standard

ETSI

EN 303213-1 V 1.4.1:2016
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 1: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 1 including external interfaces

EN 303213-2 V 1.4.1:2016
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 2: Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 for A-SMGCS Level 2 including external interfaces

49.100 Zemaljska služba i oprema za održavanje

Međunarodna normizacija ISO

ISO 7718-1:2016
Aircraft – Passenger doors interface requirements for connection of passenger boarding bridge or passenger transfer vehicle – Part 1: Main deck doors

ISO 7718-2:2016
Aircraft – Passenger doors interface requirements for connection of passenger boarding bridge or passenger transfer vehicle – Part 2: Upper deck doors

53.060 Industrijski prijevozni sustavi

Europska normizacija CEN

EN ISO 3691-3:2016
Industrial trucks – Safety requirements and verification – Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads (ISO 3691-3:2016)

Međunarodna normizacija ISO

ISO 3691-3:2016
Industrial trucks – Safety requirements and verification – Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads

59.080.30 Tekstilni proizvodi

Europska normizacija CEN

EN ISO 12947-2:2016
Textiles – Determination of the abrasion resistance of fabrics by the Martindale method – Part 2: Determination of specimen breakdown (ISO 12947-2:2016)

Međunarodna normizacija ISO

ISO 16847:2016
Textiles – Test method for assessing the matting appearance of napped fabrics after cleansing

59.080.40 Naslojeni plošni tekstil

Europska normizacija CEN

EN ISO 1421:2016
Rubber- or plastics-coated fabrics – Determination of tensile strength and elongation at break (ISO 1421:2016)

EN ISO 5470-1:2016
Rubber- or plastics-coated fabrics – Determination of abrasion resistance – Part 1: Taber abrader (ISO 5470-1:2016)

Međunarodna normizacija ISO

ISO 1421:2016
Rubber- or plastics-coated fabrics – Determination of tensile strength and elongation at break

59.080.80 Pametni tekstil

Međunarodna normizacija IEC

IEC/TR 62899-250:2016
Printed electronics – Part 250: Material technologies required in printed electronics for wearable smart devices

IEC/TR 63071:2016
Power supplying scheme for wearable systems and equipment

65.060.70 Oprema za vrtlarstvo

Europska normizacija CEN

EN ISO 5395-2:2013/A1:2016
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 2: Pedestrian-controlled lawnmowers – Amendment 1: OPC, cutting means, pressurized hoses (ISO 5395-2:2013/Amd 1:2016)

65.160 Duhan, duhanski proizvodi i odgovarajuća oprema

Međunarodna normizacija ISO

ISO 19290:2016
Cigarettes – Determination of tobacco specific nitrosamines in mainstream cigarette smoke – Method using LC-MS/MS

67.240 Senzorske analize

Međunarodna normizacija ISO

ISO 5492 AMD 1:2016
Sensory analysis – Vocabulary; Amendment 1

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Međunarodna normizacija IEC

IEC 61010-1 AMD 1:2016
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements; Amendment 1

71.060.99 Ostale neorganske kemikalije

Međunarodna normizacija IEC

IEC/TR 62010:2016
Analyser systems – Maintenance management

73.040 Ugljen

Međunarodna normizacija ISO

ISO 1213-2:2016
Solid mineral fuels – Vocabulary – Part 2: Terms relating to sampling, testing and analysis

ISO 11724:2016
Solid mineral fuels – Determination of total fluorine in coal, coke and fly ash

75.080 Naftni proizvodi općenito

Međunarodna normizacija ISO

ISO/TR 19686-100:2016
Petroleum products – Equivalency of test method determining the same property – Part 100: Background and principle of the comparison and the evaluation of equivalency

75.160.10 Kruta goriva

Međunarodna normizacija ISO

ISO 1213-2:2016
Solid mineral fuels – Vocabulary – Part 2: Terms relating to sampling, testing and analysis

75.180.10 Oprema za iskorištavanje i vađenje

Europska normizacija CEN

EN ISO 17776:2016
Petroleum and natural gas industries – Offshore production installations – Major Accident hazard management during the design of new installations (ISO 17776:2016)

Međunarodna normizacija ISO

ISO 17776:2016
Petroleum and natural gas industries – Offshore production installations – Major accident hazard management during the design of new installations

75.200 Oprema za rukovanje naftnim proizvodima i prirodnim plinom

Međunarodna normizacija ISO

ISO 16923:2016
Natural gas fuelling stations – CNG stations for fuelling vehicles

ISO 16924:2016
Natural gas fuelling stations – LNG stations for fuelling vehicles

77.040.99 Ostale metode za ispitivanje metala

Međunarodna normizacija ISO

ISO 18203:2016
Steel – Determination of the thickness of surface-hardened layers

77.060 Korozija metala

Europska normizacija CEN

EN ISO 12696:2016
Cathodic protection of steel in concrete (ISO 12696:2016)

Međunarodna normizacija ISO

ISO 12696:2016
Cathodic protection of steel in concrete

77.140.15 Čelici za armiranje betona

Europska normizacija CEN

EN ISO 12696:2016
Cathodic protection of steel in concrete (ISO 12696:2016)

Međunarodna normizacija ISO

ISO 12696:2016
Cathodic protection of steel in concrete

77.150.10 Proizvodi od aluminija

Europska normizacija CEN

EN 12020-2:2016
Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 2: Tolerances on dimensions and form

79.060.20 Ploče vlaknatice i ploče iverice

Međunarodna normizacija ISO

ISO 27769:2016
Wood-based panels – Wet process fibreboard

81.040.20 Staklo u graditeljstvu

Europska normizacija CEN

EN 16477-1:2016
Glass in building – Painted glass for internal use – Part 1: Requirements

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

ISO 14705:2016
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for hardness of monolithic ceramics at room temperature

83.080.01 Plastika općenito

Međunarodna normizacija ISO

ISO 177:2016
Plastics – Determination of migration of plasticizers

ISO 16620-4:2016
Plastics – Biobased content – Part 4: Determination of biobased mass content

83.140.30 Plastične cijevi, spojnice i ventili

Međunarodna normizacija ISO

ISO 13775-2:2016
Thermoplastic tubing and hoses for automotive use – Part 2: Petroleum-based-fuel applications

83.140.40 Crijeva

Međunarodna normizacija ISO

ISO 13775-2:2016
Thermoplastic tubing and hoses for automotive use – Part 2: Petroleum-based-fuel applications

85.060 Papir i karton

Europska normizacija CEN

EN ISO 12625-4:2016
Tissue paper and tissue products – Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption (ISO 12625-4:2016)

EN ISO 12625-5:2016
Tissue paper and tissue products – Part 5: Determination of wet tensile strength (ISO 12625-5:2016)

EN ISO 12625-6:2016
Tissue paper and tissue products – Part 6: Determination of grammage (ISO 12625-6:2016)

Međunarodna normizacija ISO

ISO 12625-4:2016
Tissue paper and tissue products – Part 4: Determination of tensile strength, stretch at maximum force and tensile energy absorption

ISO 12625-5:2016
Tissue paper and tissue products – Part 5: Determination of wet tensile strength

ISO 12625-6:2016
Tissue paper and tissue products – Part 6: Determination of grammage

91.040.10 Javne građevine

Europska normizacija CEN

- EN ISO 2603:2016
Simultaneous interpreting – Permanent booths – Requirements (ISO 2603:2016)
- EN ISO 4043:2016
Simultaneous interpreting – Mobile booths – Requirements (ISO 4043:2016)
- EN ISO 20109:2016
Simultaneous interpreting – Equipment – Requirements (ISO 20109:2016)

Međunarodna normizacija ISO

- ISO 2603:2016
Simultaneous interpreting – Permanent booths – Requirements
- ISO 4043:2016
Simultaneous interpreting – Mobile booths – Requirements
- ISO 20109:2016
Simultaneous interpreting – Equipment – Requirements

91.060.20 Krovovi

Europska normizacija CENELEC

- CLC/TR 50670:2016
External fire exposure to roofs in combination with photovoltaic (PV) arrays – Test method(s)

91.060.50 Vrata i prozori

Europska normizacija CEN

- EN 12207:2016
Windows and doors – Air permeability – Classification

91.100.23 Keramičke pločice

Europska normizacija CEN

- EN ISO 10545-13:2016
Ceramic tiles – Part 13: Determination of chemical resistance (ISO 10545-13:2016)

91.140.10 Sustavi centralnoga grijanja

Europska normizacija CEN

- EN 15502-2-1+A1:2016
Gas-fired central heating boilers – Part 2-1: Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1000 kW

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija CEN

- EN ISO 16890-1:2016
Air filters for general ventilation – Part 1: Technical specifications, requirements and classification system based upon particulate matter efficiency (ePM) (ISO 16890-1:2016)
- EN ISO 16890-2:2016
Air filters for general ventilation – Part 2: Measurement of fractional efficiency and air flow resistance (ISO 16890-2:2016)

- EN ISO 16890-3:2016
Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured (ISO 16890-3:2016)

- EN ISO 16890-4:2016
Air filters for general ventilation – Part 4: Conditioning method to determine the minimum fractional test efficiency (ISO 16890-4:2016)

Međunarodna normizacija ISO

- ISO 16890-1:2016
Air filters for general ventilation – Part 1: Technical specifications, requirements and classification system based upon particulate matter efficiency (ePM)
- ISO 16890-2:2016
Air filters for general ventilation – Part 2: Measurement of fractional efficiency and air flow resistance
- ISO 16890-3:2016
Air filters for general ventilation – Part 3: Determination of the gravimetric efficiency and the air flow resistance versus the mass of test dust captured
- ISO 16890-4:2016
Air filters for general ventilation – Part 4: Conditioning method to determine the minimum fractional test efficiency

91.140.40 Sustavi opskrbe plinom

Europska normizacija CEN

- CEN/TR 16940:2016
Domestic gas installations – Recommendations for safety

91.140.50 Sustavi opskrbe električnom energijom

Europska normizacija CENELEC

- EN 62056-4-7:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 4-7: DLMS/COSEM transport layer for IP networks (IEC 62056-4-7:2015)
- EN 62056-5-3:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 5-3: DLMS/COSEM application layer (IEC 62056-5-3:2016)
- EN 62056-6-1:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 6-1: Object Identification System (OBIS) (IEC 62056-6-1:2015)
- EN 62056-6-2:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 6-2: COSEM interface classes (IEC 62056-6-2:2016)
- EN 62056-7-5:2016
Electricity metering data exchange – The DLMS/COSEM suite – Part 7-5: Local data transmission profiles for Local Networks (LN) (IEC 62056-7-5:2016)

91.140.60 Sustavi opskrbe vodom

Europska normizacija CEN

- EN 13618:2016
Flexible hose assemblies in drinking water installations – Functional requirements and test methods

91.140.90 Dizala. Pokretne stube

Međunarodna normizacija ISO

ISO/TR 8100-24:2016
Safety requirements for lifts (elevators) – Part 24: Convergence of lift requirements

91.160.01 Rasvjeta općenito

Međunarodna normizacija IEC

IEC 60050-845 AMD 1:2016
International electrotechnical vocabulary – Part 845: Lighting; Amendment 1

93.100 Gradnja željezničkih pruga

Europska normizacija CEN

EN 16704-1:2016
Railway applications – Track – Safety protection on the track during work – Part 1: Railway risks and common principles for protection of fixed and mobile work sites

95.060 Oružje

Europska normizacija CEN

CWA 17094-1:2016
Police firearms technology – Part 1: Police pistol and rifle ammunition features – Recommendations

CWA 17094-2:2016
Police firearms technology – Part 2: Police pistol and support weapon – Recommendations

CWA 17094-3:2016
Police firearms technology – Part 3: Police shotgun ammunition features – Recommendations

97.030 Kućanski električni uređaji općenito

Europska normizacija CENELEC

EN 62849:2016
Performance evaluation methods of mobile household robots (IEC 62849:2016)

97.040.30 Kućanski rashladni uređaji

Europska normizacija CEN

EN 16901:2016
Ice-cream freezers – Classification, requirements and test conditions

EN 16902:2016
Commercial beverage coolers – Classification, requirements and test conditions

97.060 Praonički uređaji

Međunarodna normizacija IEC

IEC 60311:2016
Electric irons for household or similar use – Methods for measuring performance

97.080 Uređaji za čišćenje podova

Međunarodna normizacija IEC

IEC 60335-2-2 Interpretation Sheet 1:2016
Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances

97.130.20 Trgovački rashladni uređaji

Europska normizacija CEN

EN 16902:2016
Commercial beverage coolers – Classification, requirements and test conditions

97.140 Namještaj

Europska normizacija CEN

EN 527-2:2016
Office furniture – Work tables – Part 2: Safety, strength and durability requirements

EN 16120+A2:2016
Child use and care articles – Chair mounted seat

Međunarodna normizacija ISO

ISO 22879:2016
Castors and wheels – Requirements for castors for furniture

ISO 22880:2016
Castors and wheels – Requirements for castors for swivel chairs

97.150 Netekstilni podni prekrivači

Međunarodna normizacija ISO

ISO 20251:2016
Textile floor coverings – Water impermeability test

ISO 20326:2016
Resilient floor coverings – Specification for floor panels/assembly for loose laying

97.170 Oprema za njegu tijela

Međunarodna normizacija IEC

IEC 60335-2-27 Corrigendum 2:2016
Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation; Corrigendum 2

97.190 Oprema za djecu

Europska normizacija CEN

EN 16120+A2:2016
Child use and care articles – Chair mounted seat

97.200.50 Igračke

Europska normizacija CEN

EN 71-12:2016
Safety of toys – Part 12: N-Nitrosamines and N-nitrosatable substances

97.220.10 Sportski objekti

Europska normizacija CEN

- EN 12572-1:2017
Artificial climbing structures – Part 1: Safety requirements and test methods for ACS with protection points

97.220.30 Oprema za sportske dvorane

Europska normizacija CEN

- EN ISO 20957-4:2016
Stationary training equipment – Part 4: Strength training benches, additional specific safety requirements and test methods (ISO 20957-4:2016)
- EN ISO 20957-5:2016
Stationary training equipment – Part 5: Stationary exercise bicycles and upper body crank training equipment, additional specific safety requirements and test methods (ISO 20957-5:2016)

Međunarodna normizacija ISO

- ISO 20957-5:2016
Stationary training equipment – Part 5: Stationary exercise bicycles and upper body crank training equipment, additional specific safety requirements and test methods
- ISO 20957-5:2016
Stationary training equipment – Part 5: Stationary exercise bicycles and upper body crank training equipment, additional specific safety requirements and test methods