

# Hrvatski zavod za norme

## Oglasnik za normativne dokumente

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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 nacrtu hrvatskih norma te ispravke, rezultate europske i međunarodne normizacije razvrstane po predmetnom ustroju i obavijesti HZN-a.

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

Izdavač:



HZN

**Hrvatski zavod za norme**  
Croatian Standards Institute

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# 1 Rezultati hrvatske normizacije

## 1.1 Hrvatske norme

Temeljem Zakona o normizaciji (Narodne novine 80/2013) hrvatske norme priprema, izdaje i objavljuje Hrvatski zavod za norme, na prijedlog tehničkih odbora.

Hrvatske norme mogu nastati na ova četiri načina:

- prihvaćanjem stranih (međunarodnih/europskih/nacionalnih) norma uz prevođenje na hrvatski jezik (pp)
- prihvaćanjem stranih norma u izvorniku s hrvatskim ovitkom (po)
- prihvaćanjem stranih norma u izvorniku objavom obavijesti o prihvaćanju (pr)
- izradbom izvorne hrvatske norme (izv).

Oznaka načina prihvaćanja navedena je uz referencijsku oznaku hrvatske norme. Hrvatske su norme zainteresiranima na raspolaganju u Normoteci Hrvatskoga zavoda za norme, Ulica grada Vukovara 78, Zagreb.

### HZN/TO 8, Brodogradnja

HRN EN ISO 8666:2020 en pr  
Mala plovila – Osnovni podaci (ISO 8666:2020; EN ISO 8666:2020)  
Small craft – Principal data (ISO 8666:2020; EN ISO 8666:2020)

HRN EN ISO 12215-7:2020 en pr  
Mala plovila – Konstrukcija trupa i dimenzije konstrukcijskih elemenata – 7. dio: Određivanje opterećenja za višetrupna plovila te dimenzija njihovih konstrukcijskih elemenata upotrebom norme ISO 12215-5 (ISO 12215-7:2020; EN ISO 12215-7:2020)  
Small craft – Hull construction and scantlings – Part 7: Determination of loads for multihulls and of their local scantlings using ISO 12215-5 (ISO 12215-7:2020; EN ISO 12215-7:2020)

HRN EN ISO 12215-10:2020 en pr  
Mala plovila – Konstrukcija trupa i dimenzije konstrukcijskih elemenata – 10. dio: Opterećenja snasti i pripajanje snasti na plovilu na jedra (ISO 12215-10:2020; EN ISO 12215-10:2020)  
Small craft – Hull construction and scantlings – Part 10: Rig loads and rig attachment in sailing craft (ISO 12215-10:2020; EN ISO 12215-10:2020)

### HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN ISO 2256:2001/A1:2020 en pr  
Sušena metvica (zelena) (Mentha spicata Linnaeus syn. Mentha viridis Linnaeus) – Specifikacija (ISO 2256:1984/Amd 1:2017)  
Dried mint (spearmint) (Mentha spicata Linnaeus syn. Mentha viridis Linnaeus) – Specification (ISO 2256:1984/Amd 1:2017)

### HZN/TO 37, Terminologija

HRN ISO 24617-7:2020 en pr  
Upravljanje jezičnim resursima – Okvir za semantičko označavanje – 7. dio: Prostorni podaci (ISO 24617-7:2020)  
Language resource management – Semantic annotation framework – Part 7: Spatial information (ISO 24617-7:2020)

HRN ISO 29383:2020 en pr  
Terminološke politike – Razvoj i primjena (ISO 29383:2020)  
Terminology policies – Development and implementation (ISO 29383:2020)

### HZN/TO 43, Akustika

HRN EN ISO 6926:2016/A1:2020 en pr  
Akustika – Zahtjevi za svojstva i umjeravanje referentnih izvora zvuka za određivanje razina zvučne snage (ISO 6926:2016/Amd 1:2020; EN ISO 6926:2016/A1:2020)  
Acoustics – Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels (ISO 6926:2016/Amd 1:2020; EN ISO 6926:2016/A1:2020)

HRN EN ISO 11690-1:2020 en pr  
Akustika – Preporuke za projektiranje radnih mjesta sa strojevima s malom bukom – 1. dio: Strategije zaštite od buke (ISO 11690-1:2020; EN ISO 11690-1:2020)  
Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 1: Noise control strategies (ISO 11690-1:2020; EN ISO 11690-1:2020)

HRN EN ISO 11690-2:2020 en pr  
Akustika – Preporuke za projektiranje radnih mjesta sa strojevima s malom bukom – 2. dio: Mjere zaštite od buke (ISO 11690-2:2020; EN ISO 11690-2:2020)  
Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures (ISO 11690-2:2020; EN ISO 11690-2:2020)

HRN EN ISO 11691:2020 en pr  
Akustika – Mjerenje unesenog prigušenja zvučnih prigušivača u kanalima bez protoka – Laboratorijska pregledna metoda (ISO 11691:2020; EN ISO 11691:2020)  
Acoustics – Measurement of insertion loss of ducted silencers without flow – Laboratory survey method (ISO 11691:2020; EN ISO 11691:2020)

HRN EN ISO 12999-1:2020 en pr  
Akustika – Određivanje i primjena mjerne nesigurnosti u akustici u zgradarstvu – 1. dio: Zvučna izolacija (ISO 12999-1:2020; EN ISO 12999-1:2020)  
Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 1: Sound insulation (ISO 12999-1:2020; EN ISO 12999-1:2020)

HRN EN 16205:2020 en pr  
Laboratorijsko mjerenje buke hodanja po podovima (EN 16205:2020)  
Laboratory measurement of walking noise on floors (EN 16205:2020)

### HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9454-2:2020 en pr  
Talila za meko lemljenje – Razredba i zahtjevi – 2. dio: Zahtjevana svojstva (ISO 9454-2:2020; EN ISO 9454-2:2020)  
Soft soldering fluxes – Classification and requirements – Part 2: Performance requirements (ISO 9454-2:2020; EN ISO 9454-2:2020)

HRN EN ISO 9455-9:2020 en pr  
Talila za meko lemljenje – Metode ispitivanja – 9. dio: Određivanje sadržaja amonijaka (ISO 9455-9:2020; EN ISO 9455-9:2020)  
Soft soldering fluxes – Test methods – Part 9: Determination of ammonia content (ISO 9455-9:2020; EN ISO 9455-9:2020)

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

HRN ISO 8:2020 en pr  
Informacije i dokumentacija – Oblikovanje i identifikacija periodičkih publikacija (ISO 8:2019)  
Information and documentation – Presentation and identification of periodicals (ISO 8:2019)

HRN ISO 15836-2:2020 en pr  
Informacije i dokumentacija – Skup elemenata metapodataka Dublin core – 2. dio: DCMI Svojstva i razredi (ISO 15836-2:2019)  
Information and documentation – The Dublin Core metadata element set – Part 2: DCMI Properties and classes (ISO 15836-2:2019)

HRN ISO 30300:2020 en pr  
Informacije i dokumentacija – Upravljanje zapisima – Osnovni pojmovi i terminološki rječnik (ISO 30300:2020)  
Information and documentation – Records management – Core concepts and vocabulary (ISO 30300:2020)

### HZN/TO 71, Beton

HRN EN 12390-7:2019/Ispr.1:2020 en pr  
Ispitivanje očvrsluloga betona – 7. dio: Gustoća očvrsluloga betona (EN 12390-7:2019/AC:2020)  
Testing hardened concrete – Part 7: Density of hardened concrete (EN 12390-7:2019/AC:2020)

HRN EN 12504-1:2019/Ispr.1:2020 en pr  
Ispitivanje betona u konstrukcijama – 1. dio: Izvađeni ispitni uzorci – Uzimanje, pregled i ispitivanje tlačne čvrstoće (EN 12504-1:2019/AC:2020)  
Testing concrete in structures – Part 1: Cored specimens – Taking, examining and testing in compression (EN 12504-1:2019/AC:2020)

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

HRN EN ISO 22043:2020 en pr  
Zamrzivači za sladoled – Razredba, zahtjevi i uvjeti ispitivanja (ISO 22043:2020; EN ISO 22043:2020)  
Ice-cream freezers – Classification, requirements and test conditions (ISO 22043:2020; EN ISO 22043:2020)

## **HZN/TO 120, Koža i obuća**

HRN EN ISO 24263:2020 en pr  
Obuća – Čvrstoća prijanjanja remenja, ukrasa i dodataka (ISO 24263:2020; EN ISO 24263:2020)  
Footwear – Attachment strength of straps, trims and accessories (ISO 24263:2020; EN ISO 24263:2020)

HRN EN ISO 24266:2020 en pr  
Obuća – Metode ispitivanja cijele obuće – Otpornost na savijanje (ISO 24266:2020; EN ISO 24266:2020)  
Footwear – Test methods for whole shoe – Flexing durability (ISO 24266:2020; EN ISO 24266:2020)

HRN EN ISO 24267:2020 en pr  
Obuća – Određivanje koeficijenta trenja za obuću i dijelove potplata – Metoda ispitivanja (ISO 24267:2020; EN ISO 24267:2020)  
Footwear – Determination of coefficient of friction for footwear and sole components – Test method (ISO 24267:2020; EN ISO 24267:2020)

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

HRN EN ISO 80601-2-67:2020 en pr  
Medicinska električna oprema – Dio 2-67: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za očuvanje kisika (ISO 80601-2-67:2020; EN ISO 80601-2-67:2020)  
Medical electrical equipment – Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment (ISO 80601-2-67:2020; EN ISO 80601-2-67:2020)

HRN EN ISO 80601-2-69:2020 en pr  
Medicinska električna oprema – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za koncentriranje kisika (ISO 80601-2-69:2020; EN ISO 80601-2-69:2020)  
Medical electrical equipment – Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2020; EN ISO 80601-2-69:2020)

HRN EN ISO 80601-2-70:2020 en pr  
Medicinska električna oprema – Dio 2-70: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za liječenje apneje pri spavanju (ISO 80601-2-70:2020; EN ISO 80601-2-70:2020)  
Medical electrical equipment – Part 2-70: Particular requirements for basic safety and essential performance of sleep apnoea breathing therapy equipment (ISO 80601-2-70:2020; EN ISO 80601-2-70:2020)

## **HZN/TO 134, Gnojiva i poboljšivači tla**

HRN EN 17411:2020 en pr  
Gnojiva – Određivanje perklorata u mineralnim gnojivima tekućinskom kromatografijom i tandemskom spektrometrijom masa (EN 17411:2020)  
Fertilizers – Determination of perchlorate in mineral fertilizers by liquid chromatography and tandem mass spectrometry detection (LC-MS/MS) (EN 17411:2020)

## **HZN/TO 135, Nerazorna ispitivanja**

HRN EN ISO 23243:2020 en pr  
Nerazorno ispitivanje – Višepretvorničko ultrazvučno ispitivanje – Terminološki rječnik (ISO 23243:2020; EN ISO 23243:2020)  
Non-destructive testing – Ultrasonic testing with arrays – Vocabulary (ISO 23243:2020; EN ISO 23243:2020)

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

HRN EN 1329-1:2020 en pr  
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Neomekšani poli(vinil-klorid) (PVC-U) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 1329-1:2020)  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system (EN 1329-1:2020)

HRN EN ISO 15494:2018/A1:2020 en pr  
Plastični cijevni sustavi za industrijsku primjenu – Polibuten (PB), polietilen (PE), polietilen postojan pri povišenoj temperaturi (PE-RT), umreženi polietilen (PE-X) i polipropilen (PP) – Metrički nizovi za specifikacije za sastavnice i sustav (ISO 15494:2015/Amd 1:2020; EN ISO 15494:2018/A1:2020)  
Plastics piping systems for industrial applications – Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) – Metric series for specifications for components and the system (ISO 15494:2015/Amd 1:2020; EN ISO 15494:2018/A1:2020)

## **HZN/TO 146, Kvaliteta zraka**

HRN ISO 4225:2020 en pr  
Kvaliteta zraka – Opći aspekti – Terminološki rječnik (ISO 4225:2020)  
Air quality – General aspects – Vocabulary (ISO 4225:2020)

HRN ISO 12039:2020 en pr  
Emisije iz nepokretnih izvora – Određivanje masene koncentracije ugljikova monoksida, ugljikova dioksida i kisika u otpadnom plinu – Radne značajke automatskih mjernih sustava (ISO 12039:2019)  
Stationary source emissions – Determination of the mass concentration of carbon monoxide, carbon dioxide and oxygen in flue gas – Performance characteristics of automated measuring systems (ISO 12039:2019)

HRN EN ISO 22065:2020 en pr  
Zrak u radnom prostoru – Plinovi i pare – Zahtjevi za vrednovanje mjernih postupaka uporabom prisilnih uzorkivača (ISO 22065:2020; EN ISO 22065:2020)  
Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2020; EN ISO 22065:2020)

## **HZN/TO 147, Kvaliteta vode**

HRN ISO 5667-10:2020 en pr  
Kvaliteta vode – Uzorkovanje – 10. dio: Smjernice za uzorkovanje otpadnih voda (ISO 5667-10:2020)  
Water quality – Sampling – Part 10: Guidance on sampling of waste water (ISO 5667-10:2020)

HRN ISO 13166:2020 en pr  
Kvaliteta vode – Izotopi urana – Metoda ispitivanja s upotrebom alfa-spektrometrije (ISO 13166:2020)  
Water quality – Uranium isotopes – Test method using alpha-spectrometry (ISO 13166:2020)

## **HZN/TO 163, Toplinska izolacija**

HRN EN 16977:2020 en pr  
Toplinsko-izolacijski proizvodi za zgrade – Tvornički izrađeni proizvodi od kalcijevog silikata (CS) – Specifikacija (EN 16977:2020)  
Thermal insulation products for buildings – Factory made calcium silicate (CS) products – Specification (EN 16977:2020)

## **HZN/TO 172, Optika i optički instrumenti**

HRN EN ISO 11553-1:2020/A11:2020 en pr  
Sigurnost strojeva – Laserski strojevi za obradu – 1. dio: Zahtjevi za sigurnost lasera (EN ISO 11553-1:2020/A11:2020)  
Safety of machinery – Laser processing machines – Part 1: Laser safety requirements (EN ISO 11553-1:2020/A11:2020)

HRN EN ISO 15004-1:2020 en pr  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 1. dio: Opći zahtjevi primijenjeni za sve oftalmološke instrumente (ISO 15004-1:2020; EN ISO 15004-1:2020)  
Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2020; EN ISO 15004-1:2020)

## **HZN/TO 181, Sigurnost igračka i proizvodi za djecu**

HRN EN 13210-1:2020 en pr  
Proizvodi za dojenčad i malu djecu – 1. dio: Remenje i vodilice za djecu – Sigurnosni zahtjevi i metode ispitivanja (EN 13210-1:2020)  
Child care articles – Part 1: Children's harnesses, reins – Safety requirements and test methods (EN 13210-1:2020)

HRN EN 13210-2:2020 en pr  
Proizvodi za dojenčad i malu djecu – 2. dio: Remenje za djecu s ruksakom i vodilicom – Sigurnosni zahtjevi i metode ispitivanja (EN 13210-2:2020)  
Child care articles – Part 2: Children's harnesses incorporating backpacks and reins – Safety requirements and test methods (EN 13210-2:2020)

HRI CEN/TR 16411:2020 en pr  
Proizvodi za dojenčad i malu djecu – Kompilacija tumačenja norma iz područja rada CEN/TC 252 (CEN/TR 16411:2019)  
Child care articles – Compiled interpretations of CEN/TC 252 standards (CEN/TR 16411:2019)

## **HZN/TO 182, Geotehničke konstrukcije**

HRN EN 12715:2020 en pr  
Izvedba posebnih geotehničkih radova – Injektiranje (EN 12715:2020)  
Execution of special geotechnical work – Grouting (EN 12715:2020)

## **HZN/TO 215, Zdravstvena informatika**

HRN EN ISO 12967-1:2020 en pr  
Zdravstvena informatika – Arhitektura usluga (HISA) – 1. dio: Poslovno gledište (ISO 12967-1:2020; EN ISO 12967-1:2020)  
Health informatics – Service architecture (HISA) – Part 1: Enterprise viewpoint (ISO 12967-1:2020; EN ISO 12967-1:2020)

HRN EN ISO 12967-2:2020 en pr  
Zdravstvena informatika – Arhitektura usluga (HISA) – 2. dio: Informacijsko gledište (ISO 12967-2:2020; EN ISO 12967-2:2020)  
Health informatics – Service Architecture (HISA) – Part 2: Information viewpoint (ISO 12967-2:2020; EN ISO 12967-2:2020)

HRN EN ISO 12967-3:2020 en pr  
Zdravstvena informatika – Arhitektura usluga – 3. dio: Računalno gledište (ISO 12967-3:2020; EN ISO 12967-3:2020)  
Health informatics – Service Architecture (HISA) – Part 3: Computational viewpoint (ISO 12967-3:2020; EN ISO 12967-3:2020)

## **HZN/TO 221, Geosintetici**

HRN EN 12225:2020 en pr  
Geotekstil – Metoda za određivanje mikrobiološke otpornosti postupkom zakapanja u tlo (EN 12225:2020)  
Geosynthetics – Method for determining the microbiological resistance by a soil burial test (EN 12225:2020)

HRN EN ISO 12958-1:2020 en pr  
Geotekstil i proizvodi srodni s geotekstilom – Određivanje kapaciteta otjecanja vode u ravnini – 1. dio: Indeksno ispitivanje (ISO 12958-1:2020; EN ISO 12958-1:2020)  
Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 1: Index test (ISO 12958-1:2020; EN ISO 12958-1:2020)

HRN EN ISO 12958-2:2020 en pr  
Geotekstil i proizvodi srodni s geotekstilom – Određivanje kapaciteta otjecanja vode u ravnini – 2. dio: Ispitivanje svojstava (ISO 12958-2:2020; EN ISO 12958-2:2020)  
Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 2: Performance test (ISO 12958-2:2020; EN ISO 12958-2:2020)

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

HRN EN ISO 12004-1:2020 en pr  
Metalni materijali – Lim i traka – Određivanje krivulja granice oblikovanja – 1. dio: Mjerenje i primjena dijagrama granice oblikovanja u kovačnici (ISO 12004-1:2020; EN ISO 12004-1:2020)  
Metallic materials – Sheet and strip – Determination of forming-limit curves – Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020; EN ISO 12004-1:2020)

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

HRN EN ISO 15156-1:2020 en pr  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 1. dio: Opća načela za odabir materijala otpornih na pucanje (ISO 15156-1:2020; EN ISO 15156-1:2020)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2020; EN ISO 15156-1:2020)

HRN EN ISO 15156-2:2020 en pr  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 2. dio: Načela za odabir materijala otpornih na pucanje i ostale legure (ISO 15156-2:2020; EN ISO 15156-2:2020)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons (ISO 15156-2:2020; EN ISO 15156-2:2020)

HRN EN ISO 15156-3:2020 en pr  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 3. dio: Legure otporne na koroziju i pucanje i ostale legure (ISO 15156-3:2020; EN ISO 15156-3:2020)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2020; EN ISO 15156-3:2020)

HRN EN ISO 19902:2020 en pr  
Industrija nafte i prirodnoga plina – Stabilni čelični odobalni objekti (ISO 19902:2020; EN ISO 19902:2020)  
Petroleum and natural gas industries – Fixed steel offshore structures (ISO 19902:2020; EN ISO 19902:2020)

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

HRN EN 1824:2020 en pr  
Materijali za oznake na kolniku – Ispitna kola (EN 1824:2020)  
Road marking materials – Road trials (EN 1824:2020)

## **HZN/TO 513, Mjerne jedinice i mjerila**

HRN ISO 80000-7:2020 en pr  
Veličine i jedinice – 7. dio: Svjetlost i zračenje (ISO 80000-7:2019)  
Quantities and units – Part 7: Light and radiation (ISO 80000-7:2019)

## **HZN/TO 517, Posebne vrste konstrukcija**

HRN EN 1004-1:2020 en pr  
Pokretne platforme i radni tornjevi od predgotovljenih elemenata – Materijali, dimenzije, projektna opterećenja, sigurnost i zahtjevi izvedbe (EN 1004-1:2020)  
Mobile access and working towers made of prefabricated elements – Materials, dimensions, design loads, safety and performance requirements (EN 1004-1:2020)

HRN EN 15512:2020 en pr  
Čelični nepokretni skladišni sustavi – Podesivi sustavi polica za palete – Načela za projektiranje konstrukcija (EN 15512:2020)  
Steel static storage systems – Adjustable pallet racking systems – Principles for structural design (EN 15512:2020)

## **HZN/TO 522, Karakterizacija i zbrinjavanje otpada**

HRN EN 840-1:2020/Ispr.1:2020 en pr  
Pokretni spremnici za otpad i recikliranje – 1. dio: Spremnici s 2 kotača obujma do 400 l za uporabu pomoću naprava za podizanje – Dimenzije i dizajn (EN 840-1:2020/AC:2020)  
Mobile waste and recycling containers – Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices – Dimensions and design (EN 840-1:2020/AC:2020)

## **HZN/TO 524, Inteligentni transportni sustavi**

HRN EN ISO 13143-1:2020 en pr  
Elektronička naplata – Vrednovanje sukladnosti opreme u vozilu i opreme uz prometnicu s normom ISO 12813 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO 13143-1:2020; EN ISO 13143-1:2020)  
Electronic fee collection – Evaluation of on-board and roadside equipment for conformity to ISO 12813 – Part 1: Test suite structure and test purposes (ISO 13143-1:2020; EN ISO 13143-1:2020)



HRS CEN/TS 13149-7:2020 en pr  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 7. dio: Arhitektura sustava i mreže (CEN/TS 13149-7:2020)  
Public transport – Road vehicle scheduling and control systems – Part 7: System and network architecture (CEN/TS 13149-7:2020)

HRS CEN ISO/TS 19321:2020 en pr  
Inteligentni transportni sustavi – Kooperativni ITS – Rječnik podatkovnih struktura informacija u vozilu (IVI) (ISO/TS 19321:2020; CEN ISO/TS 19321:2020)  
Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures (ISO/TS 19321:2020; CEN ISO/TS 19321:2020)

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

HRN EN 13231-2:2020 en pr  
Željeznički sustav – Željeznički gornji ustroj – Preuzimanje radova – 2. dio: Preuzimanje radova na brušenju i izravnavanju tračnica na otvorenoj pruzi, skretnicama, križićima i dilatacijskim napravama (EN 13231-2:2020)  
Railway applications – Track – Acceptance of works – Part 2: Acceptance of reprofiling rails in plain line, switches, crossings and expansion devices (EN 13231-2:2020)

HRN EN 13848-2:2020 en pr  
Željeznički sustav – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 2. dio: Mjerni uređaji – Tračnička vozila za snimanje kolosiječne geometrije (EN 13848-2:2020)  
Railway applications – Track – Track geometry quality – Part 2: Measuring systems – Track recording vehicles (EN 13848-2:2020)

HRN EN 13848-6:2020 en pr  
Željeznički sustav – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 6. dio: Definiranje kvalitete kolosiječne geometrije (EN 13848-6:2014+A1:2020)  
Railway applications – Track – Track geometry quality – Part 6: Characterisation of track geometry quality (EN 13848-6:2014+A1:2020)

HRN EN 17397-1:2020 en pr  
Željeznički sustav – Oštećenja tračnica – 1. dio: Upravljanje oštećenjima tračnica (EN 17397-1:2020)  
Railway applications – Rail defects – Part 1: Rail defect management (EN 17397-1:2020)

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

HRN EN 17417:2020 en pr  
Određivanje konačne biorazgradnje plastičnih materijala u vodenoj sustavu u anoksičnim uvjetima – Metoda mjerenjem povećanja tlaka (EN 17417:2020)  
Determination of the ultimate biodegradation of plastics materials in an aqueous system under anoxic (denitrifying) conditions – Method by measurement of pressure increase (EN 17417:2020)

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

HRN EN 17127:2020 en pr  
Postaje na otvorenom za punjenje plinovitim vodikom s protokolom za punjenje (EN 17127:2020)  
Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols (EN 17127:2020)

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

HRN EN 15684:2020 en pr  
Građevni okovi – Mehatrički cilindri – Zahtjevi i metode ispitivanja (EN 15684:2020)  
Building hardware – Mechatronic cylinders – Requirements and test methods (EN 15684:2020)

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

HRN EN 17423:2020 en pr  
Energijaska svojstva zgrada – Određivanje i izvještavanje o faktorima primarne energije (PEF) i o koeficijentu emisije CO<sub>2</sub> – Opća načela, Modul M1-7 (EN 17423:2020)  
Energy performance of buildings – Determination and reporting of Primary Energy Factors (PEF) and CO<sub>2</sub> emission coefficient – General Principles, Module M1-7 (EN 17423:2020)

### **HZN/TO 543, Poštanske usluge**

HRI CEN/TR 17535:2020 en pr  
Zahtjevi za povezivanje, pristup, sudjelovanje i daljnji razvoj otvorenih globalnih mreža i sustava za poštanske operatore i sudionike šireg poštanskog sektora (CEN/TR 17535:2020)  
Requirements to connect, access, participate and further develop open global networks and systems, for postal operators and the wider postal sector players (CEN/TR 17535:2020)

HRI CEN/TR 17536:2020 en pr  
Zahtjevi za elektroničke podatke o najavi pošiljaka (EAD) u poštanskim operacijama, posebice u skladu sa sigurnosnim i carinskim zahtjevima (CEN/TR 17536:2020)  
Requirements for electronic advanced data (EDA) in postal operations, in particular compliant to security and customs requirements (CEN/TR 17536:2020)

### **HZN/TO 546, Očuvanje kulturne baštine**

HRS CEN/TS 17135:2020 en pr  
Očuvanje kulturne baštine – Opći nazivi za opisivanje promjena objekata (CEN/TS 17135:2020)  
Conservation of cultural heritage – General terms for describing the alterations of objects (CEN/TS 17135:2020)

### **HZN/TO 549, Svjetlo i rasvjeta**

HRN EN 1837:2020 en pr  
Sigurna uporaba strojeva – Rasvjeta strojeva (EN 1837:2020)  
Safety of machinery – Integral lighting of machines (EN 1837:2020)

### **HZN/TO 551, Gradnja**

HRN EN 17412-1:2020 en pr  
Modeliranje informacija o građevinama – Razina potrebnih informacija – 1. dio: Koncepti i načela (EN 17412-1:2020)  
Building Information Modelling – Level of Information Need – Part 1: Concepts and principles (EN 17412-1:2020)

HRN EN ISO 21597-2:2020 en pr  
Spremnik informacija za isporuku povezanih dokumenata – Specifikacija razmjene – 2. dio: Tipovi poveznica (ISO 21597-2:2020; EN ISO 21597-2:2020)  
Information container for linked document delivery – Exchange specification – Part 2: Link Types (ISO 21597-2:2020; EN ISO 21597-2:2020)

### **HZN/TO 556, Osobna zaštitna oprema**

HRN EN 352-1:2020 en pr  
Štitnici sluha – Opći zahtjevi – 1. dio: Ušne školjke (EN 352-1:2020)  
Hearing protectors – General requirements – Part 1: Earmuffs (EN 352-1:2020)

HRN EN 352-2:2020 en pr  
Štitnici sluha – Opći zahtjevi – 2. dio: Ušni čepovi (EN 352-2:2020)  
Hearing protectors – General requirements – Part 2: Earplugs (EN 352-2:2020)

HRN EN 352-3:2020 en pr  
Štitnici sluha – Opći zahtjevi – 3. dio: Ušne školjke pričvršćene za naprave koje štite glavu i/ili lice (EN 352-3:2020)  
Hearing protectors – General requirements – Part 3: Earmuffs attached to head protection and/or face protection devices (EN 352-3:2020)

HRN EN 352-4:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 4. dio: Ušne školjke ovisne o razini (EN 352-4:2020)  
Hearing protectors – Safety requirements – Part 4: Level-dependent earmuffs (EN 352-4:2020)

HRN EN 352-5:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 5. dio: Ušne školjke s aktivnom redukcijom buke (EN 352-5:2020)  
Hearing protectors – Safety requirements – Part 5: Active noise reduction earmuffs (EN 352-5:2020)

HRN EN 352-6:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 6. dio: Ušne školjke sa sigurnosnim audio ulazom (EN 352-6:2020)  
Hearing protectors – Safety requirements – Part 6: Earmuffs with safety-related audio input (EN 352-6:2020)

HRN EN 352-7:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 7. dio: Ušni čepovi ovisni o razini (EN 352-7:2020)  
Hearing protectors – Safety requirements – Part 7: Level-dependent earplugs (EN 352-7:2020)

HRN EN 352-8:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 8. dio: Ušne školjke s audioulazom namijenjene zabavi (EN 352-8:2020)  
Hearing protectors – Safety requirements – Part 8: Entertainment audio earmuffs (EN 352-8:2020)

HRN EN 352-9:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 9. dio: Ušni čepovi sa sigurnosnim audio ulazom (EN 352-9:2020)  
Hearing protectors – Safety requirements – Part 9: Earplugs with safety-related audio input (EN 352-9:2020)

HRN EN 352-10:2020 en pr  
Štitnici sluha – Sigurnosni zahtjevi – 10. dio: Ušni čepovi s audioulazom namijenjeni zabavi (EN 352-10:2020)  
Hearing protectors – Safety requirements – Part 10: Entertainment audio earplugs (EN 352-10:2020)

HRN EN 13819-1:2020 en pr  
Štitnici sluha – Ispitivanje – 1. dio: Fizikalne metode ispitivanja (EN 13819-1:2020)  
Hearing protectors – Testing – Part 1: Physical test methods (EN 13819-1:2020)

HRN EN 13819-2:2020 en pr  
Štitnici sluha – Ispitivanje – 2. dio: Akustičke metode ispitivanja (EN 13819-2:2020)  
Hearing protectors – Testing – Part 2: Acoustic test methods (EN 13819-2:2020)

HRI CEN ISO/TR 18690:2020 en pr  
Upute za odabir, uporabu i održavanje sigurnosne i radne obuće te druge osobne zaštitne opreme koja štiti stopala i noge (ISO/TR 18690:2012; CEN ISO/TR 18690:2012)  
Guidance for the selection, use and maintenance of safety and occupational footwear and other personal protective equipment offering foot and leg protection (ISO/TR 18690:2012; CEN ISO/TR 18690:2012)

HRN EN ISO 20349-1:2017/A1:2020 en pr  
Osobna zaštitna oprema – Obuća za zaštitu od rizika u ljevaonicama i pri zavarivanju – 1. dio: Zahtjevi i metode ispitivanja za zaštitu od rizika u ljevaonicama (ISO 20349-1:2017/Amd 1:2020; EN ISO 20349-1:2017/A1:2020)  
Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 1: Requirements and test methods for protection against risk in foundries (ISO 20349-1:2017/Amd 1:2020; EN ISO 20349-1:2017/A1:2020)

HRN EN ISO 20349-2:2017/A1:2020 en pr  
Osobna zaštitna oprema – Obuća za zaštitu od rizika u ljevaonicama i pri zavarivanju – 2. dio: Zahtjevi i metode ispitivanja za zaštitu od rizika pri zavarivanju i srodnim postupcima (ISO 20349-2:2017/Amd 1:2020; EN ISO 20349-2:2017/A1:2020)  
Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 2: Requirements and test methods for protection against risks in welding and allied processes (ISO 20349-2:2017/Amd 1:2020; EN ISO 20349-2:2017/A1:2020)

## **HZN/TO 560, Tekstilni proizvodi**

HRN EN ISO 12945-1:2020 en pr  
Tekstil – Određivanje sklonosti plošnog tekstila površinskom stvaranju pilinga, dlačica ili matiranja – 1. dio: Metoda u komori za piling (ISO 12945-1:2020; EN ISO 12945-1:2020)  
Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 1: Pilling box method (ISO 12945-1:2020; EN ISO 12945-1:2020)

HRN EN ISO 12945-2:2020 en pr  
Tekstil – Određivanje sklonosti plošnog tekstila površinskom stvaranju pilinga, dlačica ili matiranja – 2. dio: Preinačena metoda po Martindaleu (ISO 12945-2:2020; EN ISO 12945-2:2020)  
Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 2: Modified Martindale method (ISO 12945-2:2020; EN ISO 12945-2:2020)

HRN EN ISO 12945-3:2020 en pr  
Tekstil – Određivanje sklonosti plošnog tekstila površinskom stvaranju pilinga, dlačica ili matiranja – 3. dio: Metoda slučajnog prevrtanja (ISO 12945-3:2020; EN ISO 12945-3:2020)  
Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 3: Random tumble pilling method (ISO 12945-3:2020; EN ISO 12945-3:2020)

HRN EN ISO 12945-4:2020 en pr  
Tekstil – Određivanje sklonosti tkanina površinskom stvaranju pilinga, dlačica ili matiranja – 4. dio: Procjena stvaranja pilinga, dlačica i matiranja vizualnom metodom (ISO 12945-4:2020; EN ISO 12945-4:2020)  
Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting by visual analysis (ISO 12945-4:2020; EN ISO 12945-4:2020)

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

HRN EN 17424:2020 en pr  
Hrana – Određivanje alfatoksina u začinima osim paprike čišćenjem na imunoafinitetnoj koloni (IAC) i metodom HPLC-FLD s postkolonskom derivatizacijom (EN 17424:2020)  
Foodstuffs – Determination of aflatoxins in spices other than paprika by IAC clean-up and HPLC-FLD with post-column derivatization (EN 17424:2020)

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

HRN EN 13451-1:2020 en pr  
Oprema za bazene – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja za opremu ugrađenu u bazene za javnu uporabu (EN 13451-1:2020)  
Swimming pool equipment – Part 1: General safety requirements and test methods for equipment installed in pools for public use (EN 13451-1:2020)

HRI CEN/TR 16396:2020 en pr  
Oprema za dječja igrališta – Odgovori na zahtjeve za tumačenje niza norma EN 1176 (CEN/TR 16396:2020)  
Playground equipment for children – Replies to requests for interpretation of EN 1176 and its parts (CEN/TR 16396:2020)

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

HRN EN 13656:2020 en pr  
Tlo, obrađeni biootpad, mulj i otpad – Razgradnja pomoću smjese kloridne (HCl), dušične (HNO<sub>3</sub>) i tetrafluoroboratne (HBF<sub>4</sub>) ili fluoridne (HF) kiseline za naknadno određivanje elemenata (EN 13656:2020)  
Soil, treated biowaste, sludge and waste – Digestion with a hydrochloric (HCl), nitric (HNO<sub>3</sub>) and tetrafluoroboric (HBF<sub>4</sub>) or hydrofluoric (HF) acid mixture for subsequent determination of elements (EN 13656:2020)

HRN EN ISO 23753-1:2019/A1:2020 en pr  
Kvaliteta tla – Određivanje dehidrogenazne aktivnosti u tlu – 1. dio: Metoda s trifeniltetrazol kloridom (TTC) (ISO 23753-1:2019/Amd 1:2020; EN ISO 23753-1:2019/A1:2020)  
Soil quality – Determination of dehydrogenases activity in soils – Part 1: Method using triphenyltetrazolium chloride (TTC) (ISO 23753-1:2019/Amd 1:2020; EN ISO 23753-1:2019/A1:2020)

HRN EN ISO 23753-2:2019/A1:2020 en pr  
Kvaliteta tla – Određivanje dehidrogenazne aktivnosti u tlu – 2. dio: Metoda s jodtetrazol kloridom (INT) (ISO 23753-2:2019/Amd 1:2020; EN ISO 23753-2:2019/A1:2020)  
Soil quality – Determination of dehydrogenases activity in soils – Part 2: Method using iodotetrazolium chloride (INT) (ISO 23753-2:2019/Amd 1:2020; EN ISO 23753-2:2019/A1:2020)

## **HZN/TO E14, Energetski transformatori**

HRN EN 50708-1-1:2020/Ispr.1:2020 en pr  
Energetski transformatori – Dodatni europski zahtjevi – Dio 1-1: Zajednički dio – Opći zahtjevi (EN 50708-1-1:2020/AC:2020)  
Power transformers – Additional European requirements: Part 1-1: Common part – General requirements (EN 50708-1-1:2020/AC:2020)

HRN EN 50708-2-1:2020/Ispr.1:2020 en pr  
Energetski transformatori – Dodatni europski zahtjevi  
– Dio 2-1: Srednji energetski transformatori – Opći zahtjevi  
(EN 50708-2-1:2020/AC:2020)  
Power transformers – Additional European requirements:  
Part 2-1 Medium power transformer – General requirements  
(EN 50708-2-1:2020/AC:2020)

### **HZN/TO E20, Električni kabeli**

HRN EN 50397-1:2020 en pr  
Izolirani vodiči za nadzemne vodove i pripadajući pribor za  
nazivne izmjenične napone iznad 1 kV ali ne više od 36 kV  
– 1. dio: Izolirani vodiči (EN 50397-1:2020)  
Covered conductors for overhead lines and the related  
accessories for rated voltages above 1 kV AC and not  
exceeding 36 kV AC – Part 1: Covered conductors  
(EN 50397-1:2020)

HRN EN 60332-1-2:2007/A12:2020 en pr  
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem  
vatre – Dio 1-2: Ispitivanje na okomito širenje plamena  
za jednožilne izolirane vodove ili kabele – Postupak za  
pripremu kisika i gorivog plina za snagu plamena od 1kW  
(EN 60332-1-2:2004/A12:2020)  
Tests on electric and optical fibre cables under fire conditions  
– Part 1-2: Test for vertical flame propagation for a single  
insulated wire or cable – Procedure for 1 kW pre-mixed flame  
(EN 60332-1-2:2004/A12:2020)

### **HZN/TO E22, Energetska elektronika**

HRN EN IEC 61803:2020 en pr  
Određivanje gubitaka u pretvaračkim stanicama istosmjerne  
struje visokog napona (HVDC) s mrežom komutiranim  
pretvaračima (IEC 61803:2020; EN IEC 61803:2020)  
Determination of power losses in high-voltage direct current  
(HVDC) converter stations with line-commutated converters  
(IEC 61803:2020; EN IEC 61803:2020)

### **HZN/TO E45, Nuklearna instrumentacija**

HRN EN IEC 62566-2:2020 en pr  
Nuklearne elektrane – Instrumentacijski i upravljački  
sustavi važni za sigurnost – Razvoj HDL-programiranih  
integriranih krugova – 2. dio: HDL-programirani integrirani  
krugovi za sustave koji izvršavaju funkcije kategorije B i C  
(IEC 62566-2:2020; EN IEC 62566-2:2020)  
Nuclear power plants – Instrumentation and control systems  
important to safety – Development of HDL-programmed  
integrated circuits – Part 2: HDL-programmed integrated  
circuits for systems performing category B or C functions  
(IEC 62566-2:2020; EN IEC 62566-2:2020)

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

HRN EN IEC 62351-6:2020 en pr  
Upravljanje energetskim sustavima i povezana  
razmjena podataka – Sigurnost podataka i komunikacija  
– 6. dio: Sigurnost za IEC 61850 (IEC 62351-6:2020;  
EN IEC 62351-6:2020)  
Power systems management and associated information  
exchange – Data and communications security  
– Part 6: Security for IEC 61850 (IEC 62351-6:2020;  
EN IEC 62351-6:2020)

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

HRN EN IEC 63073-1:2020 en pr  
Namjenske radionuklidne naprave za snimanje – Značajke i  
uvjeti ispitivanja – 1. dio: Srčani SPECT (IEC 63073-1:2020;  
EN IEC 63073-1:2020)  
Dedicated radionuclide imaging devices – Characteristics and  
test conditions – Part 1: Cardiac SPECT (IEC 63073-1:2020;  
EN IEC 63073-1:2020)

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

HRN HD 60364-7-706:2007/A1:2020 en pr  
Niskonaponske električne instalacije – Dio 7-706: Zahtjevi za  
posebne instalacije ili prostore – Vodljivi prostori s ograničenom  
slobodom kretanja (IEC 60364-7-706:2005/am1:2019;  
HD 60364-7-706:2007/A1:2020)  
Low-voltage electrical installations – Part 7-706: Requirements  
for special installations or locations – Conducting locations  
with restricted movement (IEC 60364-7-706:2005/am1:2019;  
HD 60364-7-706:2007/A1:2020)

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

HRN EN IEC 62714-4:2020/Ispr.1:2020 en pr  
Format razmjene tehničkih podataka za uporabu u  
upravljanju industrijskim automatizacijskim sustavima  
– Viši jezik automatizacije (AutomationML) – 4. dio: Logika  
(IEC 62714-4:2020/Corr.1:2020; EN IEC 62714-4:2020/AC:2020)  
Engineering data exchange format for use in industrial  
automation systems engineering – Automation markup  
language – Part 4: Logic (IEC 62714-4:2020/Corr.1:2020;  
EN IEC 62714-4:2020/AC:2020)

HRN EN IEC 62769-100:2020 en pr  
Integracija uređaja u postrojenju (FDI) – 100. dio:  
Profili – Generički protokoli (IEC 62769-100:2020;  
EN IEC 62769-100:2020)  
Field device integration (FDI) – Part 100: Profiles – Generic  
protocols (IEC 62769-100:2020; EN IEC 62769-100:2020)

HRN EN IEC 62769-115-2:2020 en pr  
Integracija uređaja u postrojenju (FDI) – Dio 115-2: Profili  
– Modbus-RTU (IEC 62769-115-2:2020; EN IEC 62769-115-2:2020)  
Field device integration (FDI) – Part 115-2: Profiles – Modbus-RTU  
(IEC 62769-115-2:2020; EN IEC 62769-115-2:2020)

HRN EN IEC 62832-1:2020 en pr  
Mjerenje, vođenje i automatizacija industrijskih procesa  
– Okvir digitalne tvornice – 1. dio: Opća načela  
(IEC 62832-1:2020; EN IEC 62832-1:2020)  
Industrial-process measurement, control and automation  
– Digital factory framework – Part 1: General principles  
(IEC 62832-1:2020; EN IEC 62832-1:2020)

HRN EN IEC 62832-2:2020 en pr  
Mjerenje, vođenje i automatizacija industrijskih procesa  
– Okvir digitalne tvornice – 2. dio: Elementi modela  
(IEC 62832-2:2020; EN IEC 62832-2:2020)  
Industrial-process measurement, control and automation  
– Digital factory framework – Part 2: Model elements  
(IEC 62832-2:2020; EN IEC 62832-2:2020)

HRN EN IEC 62832-3:2020 en pr  
Mjerenje, vođenje i automatizacija industrijskih procesa  
– Okvir digitalne tvornice – 3. dio: Primjena digitalne tvornice  
za upravljanje životnim ciklusom proizvodnih sustava  
(IEC 62832-3:2020; EN IEC 62832-3:2020)  
Industrial-process measurement, control and automation  
– Digital factory framework – Part 3: Application of Digital  
Factory for life cycle management of production systems  
(IEC 62832-3:2020; EN IEC 62832-3:2020)

### **HZN/TO E79, Alarmni sustavi**

HRS CLC/TS 50136-9:2020 en pr  
Alarmni sustavi – Sustavi i uređaji za prijenos signala alarma  
– 9. dio: Zahtjevi za zajednički protokol za prijenos signala alarma  
koji primjenjuje Internet protokol (CLC/TS 50136-9:2020)  
Alarm systems – Alarm transmission systems and  
equipment – Part 9: Requirements for common protocol  
for alarm transmission using the Internet Protocol (IP)  
(CLC/TS 50136-9:2020)

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

HRN EN 50699:2020 en pr  
Periodično ispitivanje električne opreme (EN 50699:2020)  
Recurrent Test of Electrical Equipment (EN 50699:2020)

### **HZN/TO E88, Vjetroagregati**

HRN EN IEC 61400-3-1:2019/A11:2020 en pr  
Sustavi za proizvodnju energije iz vjetra – Dio 3-1:  
Izvedbeni zahtjevi za pučinske učvršćene vjetroagregate  
(EN IEC 61400-3-1:2019/A11:2020)  
Wind energy generation systems – Part 3-1: Design  
requirements for fixed offshore wind turbines  
(EN IEC 61400-3-1:2019/A11:2020)

HRN EN IEC 61400-21-1:2019/A11:2020 en pr  
Sustavi za proizvodnju energije iz vjetra – Dio 21-1:  
Mjerenje i procjena električnih karakteristika – Vjetroagregati  
(EN IEC 61400-21-1:2019/A11:2020)  
Wind energy generation systems – Part 21-1: Measurement  
and assessment of electrical characteristics – Wind turbines  
(EN IEC 61400-21-1:2019/A11:2020)



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

HRN EN IEC 60268-16:2020 en pr  
Oprema audiosustava – 16. dio: Objektivno vrednovanje razumljivosti govora s pomoću indeksa razumljivosti govora (IEC 60268-16:2020; EN IEC 60268-16:2020)  
Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index (IEC 60268-16:2020; EN IEC 60268-16:2020)

HRN EN IEC 60268-22:2020 en pr  
Oprema audiosustava – 22. dio: Električna i mehanička mjerenja na pretvaračima (IEC 60268-22:2020; EN IEC 60268-22:2020)  
Sound system equipment – Part 22: Electrical and mechanical measurements on transducers (IEC 60268-22:2020; EN IEC 60268-22:2020)

## **HZN/TO E112, Procjena i značajke električnih izolacijskih materijala i sustava**

HRN EN IEC 60112:2020 en pr  
Metode za određivanje ispitnog i komparativnog indeksa puzajućih struja krutih izolacijskih materijala (IEC 60112:2020; EN IEC 60112:2020)  
Method for the determination of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2020; EN IEC 60112:2020)

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

HRN EN 55032:2015/A1:2020 en pr  
Elektromagnetska kompatibilnost multimedijске opreme – Zahtjevi za emisiju (CISPR 32:2015/am1:2019; EN 55032:2015/A1:2020)  
Electromagnetic compatibility of multimedia equipment – Emission requirements (CISPR 32:2015/am1:2019; EN 55032:2015/A1:2020)

## **HZN/TO E501, Elektroakustika i ultrazvuk**

HRN EN IEC 60645-3:2020 en pr  
Elektroakustika – Audiometrijska oprema – 3. dio: Kratkotrajni ispitni signali (IEC 60645-3:2020; EN IEC 60645-3:2020)  
Electroacoustics – Audiometric equipment – Part 3: Test signals of short duration (IEC 60645-3:2020; EN IEC 60645-3:2020)

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

HRN EN 303 135 V2.2.1:2020 en pr  
Obalni nadzor, opsluživanje prometa plovila i lučki radari (CS/VTS/HR) – Harmonizirana norma za pristup radijskom spektru (EN 303 135 V2.2.1:2020)  
Coastal Surveillance, Vessel Traffic Services and Harbour Radars (CS/VTS/HR) – Harmonised Standard for access to radio spectrum (EN 303 135 V2.2.1:2020)

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

HRN EN ISO 10874:2013/A1:2020 en pr  
Elastične, tekstilne i laminatne podne obloge – Razredba – Amandman 1: Brisanje razreda 22+ (ISO 10874:2009/Amd 1:2020; EN ISO 10874:2012/A1:2020)  
Resilient, textile and laminate floor coverings – Classification – Amendment 1: Elimination of class 22+ (ISO 10874:2009/Amd 1:2020; EN ISO 10874:2012/A1:2020)

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

HRN EN 14105:2020 en pr  
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje sadržaja slobodnog i ukupnog glicerola sadržaja mono-, di- i triglicerida (EN 14105:2020)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of free and total glycerol and mono-, di-, triglyceride contents (EN 14105:2020)

HRN EN 14112:2020 en pr  
Derivati masti i ulja – Metilni esteri masnih kiselina – Određivanje oksidativne stabilnosti (ubrznani test oksidacije) (EN 14112:2020)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME) – Determination of oxidation stability (accelerated oxidation test) (EN 14112:2020)

HRN EN ISO 21545:2020 en pr  
Boje i lakovi – Određivanje slijeganja (ISO 21545:2018; EN ISO 21545:2020)  
Paints and varnishes – Determination of settling (ISO 21545:2018; EN ISO 21545:2020)

HRN EN ISO 22553-1:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 1. dio: Rječnik (ISO 22553-1:2019; EN ISO 22553-1:2020)  
Paints and varnishes – Electro-deposition coatings – Part 1: Vocabulary (ISO 22553-1:2019; EN ISO 22553-1:2020)

HRN EN ISO 22553-2:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 2. dio: Sposobnost prekrivanja (ISO 22553-2:2019; EN ISO 22553-2:2020)  
Paints and varnishes – Electro-deposition coatings – Part 2: Throwing power (ISO 22553-2:2019; EN ISO 22553-2:2020)

HRN EN ISO 22553-3:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 3. dio: Kompatibilnost materijala za prevlake za nanošenje elektrodepozicijom s referentnim uljem (ISO 22553-3:2019; EN ISO 22553-3:2020)  
Paints and varnishes – Electro-deposition coatings – Part 3: Compatibility of electro-deposition coating materials with a reference oil (ISO 22553-3:2019; EN ISO 22553-3:2020)

HRN EN ISO 22553-4:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 4. dio: Kompatibilnost materijala za prevlake za nanošenje elektrodepozicijom s tekućim, kašastim i krutim stranim materijalima (ISO 22553-4:2019; EN ISO 22553-4:2020)  
Paints and varnishes – Electro-deposition coatings – Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials (ISO 22553-4:2019; EN ISO 22553-4:2020)

HRN EN ISO 22553-5:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 5. dio: Određivanje ostatka na situ (ISO 22553-5:2019; EN ISO 22553-5:2020)  
Paints and varnishes – Electro-deposition coatings – Part 5: Determination of sieve residue (ISO 22553-5:2019; EN ISO 22553-5:2020)

HRN EN ISO 22553-6:2020 en pr  
Boje i lakovi – Prevlake za nanošenje elektrodepozicijom – 6. dio: Oznake za uranjanje (ISO 22553-6:2019; EN ISO 22553-6:2020)  
Paints and varnishes – Electro-deposition coatings – Part 6: Entry marks (ISO 22553-6:2019; EN ISO 22553-6:2020)

HRN EN ISO 22970:2020 en pr  
Boje i lakovi – Metoda ispitivanja za procjenu prijanjanja elastičnih adheziva za premaze ispitivanjem ljuštenja, čvrstoće na ljuštenje i smične čvrstoće preklonih spojeva uz dodatno ispitivanje izlaganjem kondenzaciji ili kataplazmi (ISO 22970:2019; EN ISO 22970:2020)  
Paints and varnishes – Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cataplasm storage (ISO 22970:2019; EN ISO 22970:2020)

HRN EN ISO 23168:2020 en pr  
Boje i lakovi – Određivanje sadržaja vode – Metoda plinske kromatografije (ISO 23168:2019; EN ISO 23168:2020)  
Paints and varnishes – Determination of water content – Gas-chromatographic method (ISO 23168:2019; EN ISO 23168:2020)

HRN EN ISO/ASTM 52941:2020 en pr  
Aditivna proizvodnja – Radna svojstva i pouzdanost sustava – Ispitivanja za prihvaćanje strojeva za stapanje praškastih slojeva metalnih materijala za primjenu u zrakoplovstvu (ISO/ASTM 52941:2020; EN ISO/ASTM 52941:2020)  
Additive manufacturing – System performance and reliability – Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application (ISO/ASTM 52941:2020; EN ISO/ASTM 52941:2020)

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

HRN EN 15571:2020 en pr  
Strojevi i postrojenja za eksploataciju i obradu prirodnoga kamena – Sigurnost – Zahtjevi za strojeve za površinsku obradu (EN 15571:2020)  
Machines and plants for mining and tooling of natural stone – Safety – Requirements for surface-finishing machines (EN 15571:2020)

HRN EN 16564:2020 en pr  
Strojevi i postrojenja za eksploataciju i obradu prirodnoga kamena – Sigurnost – Zahtjevi za mosne pile/glodalice uključujući numerički upravljane alatne strojeve (NC/CNC) (EN 16564:2020)  
Machines and plants for mining and tooling of natural stone – Safety – Requirements for bridge type sawing/milling machines, included numerical control (NC/CNC) versions (EN 16564:2020)

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

HRN EN ISO 23306:2020 en pr  
Specification of liquefied natural gas as a fuel for marine applications (ISO 23306:2020; EN ISO 23306:2020)

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

HRN EN ISO 1942:2020 en pr  
Stomatologija – Terminološki rječnik (ISO 1942:2020; EN ISO 1942:2020)  
Dentistry – Vocabulary (ISO 1942:2020; EN ISO 1942:2020)

HRN EN ISO 10477:2020 en pr  
Stomatologija – Materijali na bazi polimera za izradu krunica i ljuskica (ISO 10477:2020; EN ISO 10477:2020)  
Dentistry – Polymer-based crown and veneering materials (ISO 10477:2020; EN ISO 10477:2020)

HRN EN ISO 20888:2020 en pr  
Stomatologija – Nazivlje i sustavi označivanja orodentalnih obilježja u forenzičkoj stomatologiji (ISO 20888:2020; EN ISO 20888:2020)  
Dentistry – Vocabulary and designation system for forensic oro-dental data (ISO 20888:2020; EN ISO 20888:2020)

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

HRN EN 16524:2020 en pr  
Mehanički proizvodi – Metodologija za smanjenje utjecaja na okoliš projektiranjem i razvojem proizvoda (EN 16524:2020)  
Mechanical products – Methodology for reduction of environmental impacts in product design and development (EN 16524:2020)

### **HZN/TU U1, Opća elektrotehnika 1**

HRN EN IEC 60664-1:2020/Ispr.1:2020 en pr  
Kordinacija izolacije za opremu u niskonaponskim sustavima napajanja – 1. dio: Načela, zahtjevi i ispitivanja (IEC 60664-1:2020/Corr.1:2020; EN IEC 60664-1:2020/AC:2020)  
Insulation coordination for equipment within low-voltage supply systems – Part 1: Principles, requirements and tests (IEC 60664-1:2020/Corr.1:2020; EN IEC 60664-1:2020/AC:2020)

### **HZN/TU V1, Elektronika 1**

HRN EN IEC 60603-7:2020 en pr  
Konektori za elektroničku opremu – 7. dio: Detaljne specifikacije za 8-smjerne, neoklopljene, slobodne i fiksne konektore (IEC 60603-7:2020; EN IEC 60603-7:2020)  
Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2020; EN IEC 60603-7:2020)

HRN EN IEC 60747-17:2020 en pr  
Poluvodičke komponente – 17. dio: Magnetske i kapacitivne spojnice za osnovnu i ojačanu izolaciju (IEC 60747-17:2020; EN IEC 60747-17:2020)  
Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation (IEC 60747-17:2020; EN IEC 60747-17:2020)

HRN EN IEC 60749-20:2020 en pr  
Semiconductor devices – Mechanical and climatic test methods – Part 20: Resistance of plastic encapsulated SMDs to the combined effect of moisture and soldering heat (IEC 60749-20:2020; EN IEC 60749-20:2020)

HRN EN IEC 60794-6-10:2020 en pr  
Svjetlovodni kabeli – Dio 6-10: Kabeli za unutarnju i vanjsku primjenu – Skupna specifikacija za univerzalne kabele za unutarnju i vanjsku primjenu (IEC 60794-6-10:2020; EN IEC 60794-6-10:2020)  
Optical fibre cables – Part 6-10: Indoor-outdoor cables – Family specification for universal indoor-outdoor cables (IEC 60794-6-10:2020; EN IEC 60794-6-10:2020)

HRN EN IEC 60794-6-20:2020 en pr  
Svjetlovodni kabeli – 6. dio: Kabeli za unutarnju i vanjsku primjenu – Sekcijska specifikacija za kabele za unutarnju u vanjsku primjenu (IEC 60794-6-20:2020; EN IEC 60794-6-20:2020)  
Optical fibre cables – Part 6: Indoor-outdoor cables – Sectional specification for indoor-outdoor cables (IEC 60794-6-20:2020; EN IEC 60794-6-20:2020)

HRN EN IEC 60794-6-20:2020 en pr  
Svjetlovodni kabeli – Dio 6-20: Kabeli za unutarnju i vanjsku primjenu – Skupna specifikacija za vanjske kabele koji zaustavljaju širenje plamena (IEC 60794-6-20:2020; EN IEC 60794-6-20:2020)  
Optical fibre cables – Part 6-20: Indoor-outdoor cables – Family specification for flame retardant outdoor cables (IEC 60794-6-20:2020; EN IEC 60794-6-20:2020)

HRN EN IEC 60794-6-30:2020 en pr  
Svjetlovodni kabeli – Dio 6-30: Kabeli za unutarnju i vanjsku primjenu – Skupna specifikacija za unutarnje kabele otporne na vremenske utjecaje (IEC 60794-6-30:2020; EN IEC 60794-6-30:2020)  
Optical fibre cables – Part 6-30: Indoor-outdoor cables – Family specification for weatherised indoor cables (IEC 60794-6-30:2020; EN IEC 60794-6-30:2020)

HRN EN IEC 60904-1:2020 en pr  
Fotonaponski uređaji – 1. dio: Mjerenje strujno-naponskih karakteristika fotonaponskih uređaja (IEC 60904-1:2020; EN IEC 60904-1:2020)  
Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics (IEC 60904-1:2020; EN IEC 60904-1:2020)

HRN EN IEC 60904-9:2020 en pr  
Fotonaponski uređaji – 9. dio: Klasifikacija karakteristika solarnih simulatora (IEC 60904-9:2020; EN IEC 60904-9:2020)  
Photovoltaic devices – Part 9: Classification of solar simulator characteristics (IEC 60904-9:2020; EN IEC 60904-9:2020)

HRN EN IEC 60904-10:2020 en pr  
Fotonaponski uređaji – 10. dio: Metode mjerenja linearne ovisnosti i linearnosti (IEC 60904-10:2020; EN IEC 60904-10:2020)  
Photovoltaic devices – Part 10: Methods of linear dependence and linearity measurements (IEC 60904-10:2020; EN IEC 60904-10:2020)

HRN EN IEC 61837-2:2018/A1:2020 en pr  
Površinski ugrađeni piezoelektrični elementi za regulaciju i odabir frekvencije – Standardne dimenzije i priključni spojevi – 2. dio: Keramička kućišta (IEC 61837-2:2018/am1:2020; EN IEC 61837-2:2018/A1:2020)  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures (IEC 61837-2:2018/am1:2020; EN IEC 61837-2:2018/A1:2020)

HRN EN IEC 62433-6:2020 en pr  
EMC IC modelling – Part 6: Models of integrated circuits for pulse immunity behavioural simulation – Conducted pulse immunity modelling (ICIM-CPI) (IEC 62433-6:2020; EN IEC 62433-6:2020)

HRN EN IEC 62788-1-4:2017/A1:2020 en pr  
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/am1:2020; EN 62788-1-4:2016/A1:2020)

HRN EN IEC 63182-2:2020 en pr  
Magnetske jezgre u prahu – Smjernice za dimenzije i granice površinskih nepravilnosti – 2. dio: Prstenaste jezgre (IEC 63182-2:2020; EN IEC 63182-2:2020)  
Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 2: Ring-cores (IEC 63182-2:2020; EN IEC 63182-2:2020)

### **HZN/TU W1, Energetska elektrotehnika 1**

HRN EN 50342-4:2020 en pr  
Olovni akumulatori za pokretanje – 4. dio: Dimenzije akumulatora za teška vozila (EN 50342-4:2020)  
Lead-acid starter batteries – Part 4: Dimensions of batteries for heavy vehicles (EN 50342-4:2020)

HRN EN 60436:2020/A11:2020 en pr  
Električne perilice posuđa za kućansku uporabu – Metode za mjerenje radnih značajka (EN 60436:2020/A11:2020)  
Electric dishwashers for household use – Methods for measuring the performance (EN 60436:2020/A11:2020)

HRN EN 60456:2016/A11:2020 en pr  
Perilice rublja za kućansku uporabu – Ispitne metode za mjerenje radnih značajka (EN 60456:2016/A11:2020)  
Clothes washing machines for household use – Methods for measuring the performance (EN 60456:2016/A11:2020)

HRN EN IEC 60704-2-17:2020 en pr  
Kućanski i slični električni aparati – Ispitne odredbe za određivanje uzdušne buke – Dio 2-17: Posebni zahtjevi za robote za suho čišćenje (IEC 60704-2-17:2020; EN IEC 60704-2-17:2020)  
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-17: Particular requirements for dry-cleaning robots (IEC 60704-2-17:2020; EN IEC 60704-2-17:2020)

HRN EN IEC 62512:2020 en pr  
Električne perilice-sušilice rublja za kućnu uporabu – Metode za mjerenje radnih značajka (IEC 62512:2012, MOD; EN IEC 62512:2020)  
Electric clothes washer-dryers for household use – Methods for measuring the performance (IEC 62512:2012, MOD; EN IEC 62512:2020)

HRN EN IEC 62512:2020/A11:2020 en pr  
Električne perilice-sušilice rublja za kućnu uporabu – Metode za mjerenje radnih značajka (EN IEC 62512:2020/A11:2020)  
Electric clothes washer-dryers for household use – Methods for measuring the performance (EN IEC 62512:2020/A11:2020)

## HZN/TU Z1, Informatika 1

HRN EN ISO/IEC 27006:2020 en pr  
Informacijska tehnologija – Sigurnosne tehnike – Zahtjevi za tijela koja provode audit i certifikaciju sustava upravljanja informacijskom sigurnošću (ISO/IEC 27006:2015, uključujući Amd 1:2020; EN ISO/IEC 27006:2020)  
Information technology – Security techniques – Requirements for bodies providing audit and certification of information security management systems (ISO/IEC 27006:2015, including Amd 1:2020; EN ISO/IEC 27006:2020)

## 1.3 Prijedlozi za prihvatanje 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 prihvatanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma.

Pisane primjedbe na prijedloge za prihvatanje norma dostavljaju se Hrvatskome zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

## HZN/TO 8, Brodogradnja

prEN ISO 12217-1 en  
Small craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m (ISO/DIS 12217-1:2020)  
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 1. dio: Plovila bez jedara duljine trupa 6 m ili više (ISO/DIS 12217-1:2020)

prEN ISO 12217-2 en  
Small craft – Stability and buoyancy assessment and categorization – Part 2: Sailing boats of hull length greater than or equal to 6 m (ISO/DIS 12217-2:2020)  
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 2. dio: Plovila s jedrima duljine trupa 6 m ili više (ISO/DIS 12217-2:2020)

prEN ISO 12217-3 en  
Small craft – Stability and buoyancy assessment and categorization – Part 3: Boats of hull length less than 6 m (ISO/DIS 12217-3:2020)  
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 3. dio: Plovila duljine trupa manje od 6 m (ISO/DIS 12217-3:2020)

## HZN/TO 22, Cestovna vozila

prEN ISO 19363 en  
Electrically propelled road vehicles – Magnetic field wireless power transfer – Safety and interoperability requirements (ISO 19363:2020)

## HZN/TO 25, Ljevarstvo

prEN 10250-1 en  
Open die steel forgings for general engineering purposes – Part 1: General requirements  
Čelični otkovci za inženjersku namjenu dobiveni slobodnim kovanjem – 1. dio: Opći zahtjevi

prEN 10250-2 en  
Open die steel forgings for general engineering purposes – Part 2: Non-alloy quality and special steels  
Čelični otkovci za inženjersku namjenu dobiveni slobodnim kovanjem – 2. dio: Nelegirani i specijalni čelici

prEN 10250-3 en  
Open die steel forgings for general engineering purposes – Part 3: Alloy special steels  
Čelični otkovci za inženjersku namjenu dobiveni slobodnim kovanjem – 3. dio: Legirani specijalni čelici

## HZN/TO 43, Akustika

prEN ISO 11904-2 en  
Acoustics – Determination of sound immission from sound sources placed close to the ear – Part 2: Technique using a manikin (ISO/FDIS 11904-2:2020)  
Akustika – Određivanje zvučne imisije od izvora zvuka smještenih blizu uha – 2. dio: tehnika određivanja zvučne imisije uporabom simulatora glave i trupa čovjeka (ISO/FDIS 11904-2:2020)

## HZN/TO 44, Zavarivanje i srodni postupci

prEN ISO 3834-1 en  
Quality requirements for fusion welding of metallic materials – Part 1: Criteria for the selection of the appropriate level of quality requirements (ISO/DIS 3834-1:2020)  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 1. dio: Kriteriji za izbor odgovarajuće razine zahtjeva za kvalitetu (ISO/DIS 3834-1:2020)

prEN ISO 3834-5 en  
Quality requirements for fusion welding of metallic materials – Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 (ISO/DIS 3834-5:2020)  
Zahtjevi za kvalitetu zavarivanja taljenjem metalnih materijala – 5. dio: Dokumenti s kojima se treba uskladiti kako bi bili sukladni sa zahtjevima za kvalitetu prema ISO 3834-2, ISO 3834-3 ili ISO 3834-4 (ISO/DIS 3834-5:2020)

prEN ISO 17677-1 en  
Resistance welding – Vocabulary – Part 1: Spot, projection and seam welding (ISO/FDIS 17677-1:2020)  
Elektrootporno zavarivanje – Terminološki rječnik – 1. dio: Točkasto, brađavičasto i šavno zavarivanje (ISO/FDIS 17677-1:2020)

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

ISO 6196-2:1993 en  
Micrographics – Vocabulary – Part 2: Image positions and methods of recording  
Mikrografija – Terminološki rječnik – 2. dio: Položaj slike i metode snimanja

ISO 6196-6:1992 en  
Micrographics – Vocabulary – Part 6: Equipment  
Mikrografija – Terminološki rječnik – 6. dio: Oprema

ISO 6196-7:1992 en  
Micrographics – Vocabulary – Part 7: Computer micrographics  
Mikrografija – Terminološki rječnik – 7. dio: Računalna mikrografija



- ISO 6196-8:1998 en  
Micrographics – Vocabulary – Part 8: Use  
Mikrografija – Terminološki rječnik – 8. dio: Primjena
- ISO 6196-10:1999 en  
Micrographics – Vocabulary – Part 10: Index  
Mikrografija – Terminološki rječnik – 10. dio: Kazalo pojmova
- ISO 6196-10:1999/Cor 1:2004 en  
Micrographics – Vocabulary – Part 10: Index – Technical  
Corrigendum 1  
Mikrografija – Terminološki rječnik – 10. dio: Kazalo pojmova  
– Tehnički ispravak 1
- ISO 12651-2:2014 en  
Electronic document management – Vocabulary – Part 2:  
Workflow management  
Upravljanje elektroničkim dokumentima – Terminološki  
rječnik – 2. dio: Upravljanje radnim procesom
- ISO 17316:2015 en  
Information and documentation – International standard link  
identifier (ISLI)  
Informacije i dokumentacija – Međunarodni standardni  
identifikator poveznice (ISLI)

### **HZN/TO 130, Grafička tehnologija**

- ISO 2834-1:2020 en  
Graphic technology – Laboratory preparation of test prints  
– Part 1: Paste inks  
Grafička tehnologija – Laboratorijska priprema probnih  
otisaka – 1. dio: Premazne boje
- ISO 12641-2:2019 en  
Graphic technology – Prepress digital data exchange – Part 2:  
Advanced colour targets for input scanner calibration  
Grafička tehnologija – Razmjena digitalnih podataka u  
pripremi za tisak – 2. dio: Dodatni kolorni tonovi za  
umjeravanje ulaznog skenera
- ISO 12647-6:2020 en  
Graphic technology – Process control for the production of  
half-tone colour separations, proofs and production prints  
– Part 6: Flexographic printing  
Grafička tehnologija – Kontrola procesa pri izradi kolornih  
rasterskih separacija, probnih otisaka i proizvodnih otisaka  
– 6. dio: Fleksografski tisak
- ISO 16684-1:2019 en  
Graphic technology – Extensible metadata platform (XMP)  
– Part 1: Data model, serialization and core properties  
Grafička tehnologija – Specifikacija proširive platforme  
metapodataka (XMP) – 1. dio: Model podataka, serijalizacija  
i temeljna svojstva

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

- EN ISO 15874-3:2013/prA2 en  
Plastics piping systems for hot and cold water  
installations – Polypropylene (PP) – Part 3: Fittings  
(ISO 15874-3:2013/DAMd 2:2020)  
Plastični cijevni sustavi za instalacije s toplom i  
hladnom vodom – Polipropilen (PP) – 3. dio: Spojnice  
(ISO 15874-3:2013/DAMd 2:2020)
- EN ISO 15875-3:2003/prA2 en  
Plastics piping systems for hot and cold water installations  
– Crosslinked polyethylene (PE-X) – Part 3: Fittings  
(ISO 15875-3:2003/DAMd 2:2020)  
Plastični cijevni sustavi za instalacije s toplom i hladnom  
vodom – Umreženi polietilen (PE-X) – 3. dio: Spojnice  
(ISO 15875-3:2003/DAMd 2:2020)
- EN ISO 15876-3:2017/prA2 en  
Plastics piping systems for hot and cold water  
installations – Polybutene (PB) – Part 3: Fittings  
(ISO 15876-3:2017/DAMd 2:2020)  
Plastični cijevni sustavi za instalacije s toplom i  
hladnom vodom – Polibuten (PB) – 3. dio: Spojnice  
(ISO 15876-3:2017/DAMd 2:2020)
- EN ISO 15877-3:2009/prA2 en  
Plastics piping systems for hot and cold water installations  
– Chlorinated poly(vinyl chloride) (PVC-C) – Part 3: Fittings  
(ISO 15877-3:2009/DAMd 2:2020)  
Plastični cijevni sustavi za instalacije s toplom i hladnom  
vodom – Klorirani poli(vinilklorid) (PVC-C) – 3. dio: Spojnice  
(ISO 15877-3:2009/DAMd 2:2020)

- EN ISO 21003-3:2008/prA1 en  
Multilayer piping systems for hot and cold water installations inside  
buildings – Part 3: Fittings (ISO 21003-3:2008/DAMd 1:2020)  
Višeslojni cijevni sustavi za instalacije s toplom i hladnom vodom u  
zgradama – 3. dio: Spojnice (ISO 21003-3:2008/DAMd 1:2020)

- EN ISO 22391-3:2009/prA2 en  
Plastics piping systems for hot and cold water installations  
– Polyethylene of raised temperature resistance (PE-RT)  
– Part 3: Fittings (ISO 22391-3:2009/DAMd 2:2020)  
Plastični cijevni sustavi za instalacije s toplom i hladnom  
vodom – Polietileni postojani pri povišenoj temperaturi  
(PE-RT) – 3. dio: Spojnice (ISO 22391-3:2009/DAMd 2:2020)

### **HZN/TO 146, Kvaliteta zraka**

- prEN 17628 en  
Fugitive and diffuse emissions of common concern to industry  
sectors – Standard method to determine diffuse emissions of  
volatile organic compounds into the atmosphere  
Fugitivne i difuzne emisije značajne za industriju – Standardna  
metoda za određivanje difuznih emisija hlapivih organskih  
spojeva u atmosferu

### **HZN/TO 207, Upravljanje okolišem**

- prEN ISO 14031 en  
Environmental management – Environmental performance  
evaluation – Guidelines (ISO/FDIS 14031:2020)  
Upravljanje okolišem – Vrednovanje utjecaja na okoliš  
– Smjernice (ISO/FDIS 14031:2020)

### **HZN/TO 211, Geoinformacije/Geomatika**

- EN ISO 19111:2020/prA1 en  
Geographic information – Referencing by coordinates  
(ISO/DAM 19111:2020)  
Geoinformacije – Referenciranje koordinatama  
(ISO/DAM 19111:2020)
- EN ISO 19116:2019/prA1 en  
Geographic information – Positioning services  
(ISO/DAM 19116:2020)  
Geoinformacije – Usluge pozicioniranja (ISO/DAM 19116:2020)

### **HZN/TO 502, Plinski uređaji**

- prEN 1854  
Safety and control devices for burners and appliances burning  
gaseous and/or liquid fuels – Pressure sensing devices for  
gas burners and gas burning appliances

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

- EN 1706:2020/prA1:2020 en  
Aluminium and aluminium alloys – Castings – Chemical  
composition and mechanical properties  
Aluminij i aluminijeve legure – Odljevi – Kemijski sastav i  
mehanička svojstva

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

- prEN ISO 2080 en  
Metallic and other inorganic coatings – Surface treatment,  
metallic and other inorganic coatings – Vocabulary  
(ISO/DIS 2080:2020)  
Metalne i ostale anorganske prevlake – Površinska obrada,  
metalne i ostale anorganske prevlake – Terminološki rječnik  
(ISO/DIS 2080:2020)

### **HZN/TO 505, Prijenos i distribucija plina**

- prEN ISO 20519 en  
Ships and marine technology – Specification for bunkering of  
liquefied natural gas fuelled vessels (ISO/DIS 20519:2020)  
Brodovi i pomorska tehnologija – Specifikacija za ukrcavanje  
goriva u brodove na ukapljeni prirodni plin (ISO/DIS 20519:2020)

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

- prEN ISO 10101-1 en  
Natural gas – Determination of water by the Karl Fischer  
method – Part 1: Introduction (ISO/DIS 10101-1:2020)  
Prirodni plin – Određivanje vode Karl Fischerovom metodom  
– 1. dio: Uvod (ISO/DIS 10101-1:2020)



prEN ISO 10101-2 en  
Natural gas – Determination of water by the Karl Fischer method – Part 2: Volumetric procedure (ISO/DIS 10101-2:2020)  
Prirodni plin – Određivanje vode Karl Fischerovom metodom – 2. dio: Volumetrijski postupak (ISO/DIS 10101-2:2020)

prEN ISO 10101-3 en  
Natural gas – Determination of water by the Karl Fischer method – Part 3: Coulometric procedure (ISO/DIS 10101-3:2020)  
Prirodni plin – Određivanje vode Karl Fischerovom metodom – 3. dio: Kulometrijski postupak (ISO/DIS 10101-3:2020)

## **HZN/TO 513, Mjerne jedinice i mjerila**

prEN 1434-1 en  
Thermal energy meters – Part 1: General requirements  
Mjerila toplinske energije – 1. dio: Opći zahtjevi

prEN 1434-2 en  
Thermal energy meters – Part 2: Constructional requirements  
Mjerila toplinske energije – 2. dio: Konstrukcijski zahtjevi

prEN 1434-4 en  
Thermal energy meters – Part 4: Pattern approval tests  
Mjerila toplinske energije – 4. dio: Ispitivanja prilikom odobravanja tipa

prEN 1434-5 en  
Thermal energy meters – Part 5: Initial verification tests  
Mjerila toplinske energije – 5. dio: Ispitivanja prilikom prvog ovjeravanja

prEN 1434-6 en  
Thermal energy meters – Part 6: Installation, commissioning, operational monitoring and maintenance  
Mjerila toplinske energije – 6. dio: Ugradnja, preuzimanje, nadzor u radu i održavanje

ISO 8368:2019 en  
Hydrometric determinations – Flow measurements in open channels using structures – Guidelines for selection of structure  
Hidrometrijska određivanja – Mjerenje protoka u otvorenim kanalima uporabom struktura – Upute za odabir strukture

ISO 13320:2020 en  
Particle size analysis – Laser diffraction methods  
Analiza veličine čestica – Metode laserske difrakcije

ISO 14511:2019 en  
Measurement of fluid flow in closed conduits – Thermal mass flowmeters  
Mjerenje protoka fluida u zatvorenim cjevovodima – Termomasena mjerila protoka

ISO 21501-2:2019 en  
Determination of particle size distribution – Single particle light interaction methods – Part 2: Light scattering liquid-borne particle counter  
Određivanje raspodjele veličine čestica – Interakcijske metode osvjetljenosti pojedinačne čestice – 2. dio: Brojač čestica u tekućini pomoću raspršenja svjetlosti

ISO 21501-3:2019 en  
Determination of particle size distribution – Single particle light interaction methods – Part 3: Light extinction liquid-borne particle counter  
Određivanje raspodjele veličine čestica – Interakcijske metode o osvjetljenosti pojedinačne čestice – 3. dio: Brojač čestica u tekućini pomoću slabljenja širenja svjetlosti

## **HZN/TO 524, Inteligentni transportni sustavi**

prEN 15509 en  
Electronic fee collection – Interoperability application profile for DSRC  
Elektronička naplata – Interoperabilni aplikacijski profil za DSRC

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

prEN ISO 16396-2 en  
Plastics – Polyamide (PA) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO/DIS 16396-2:2020)  
Plastika – Poliamidni (PA) materijali za kalupljenje i ekstrudiranje – 2. dio: Priprema ispitaka i određivanje svojstava (ISO/DIS 16396-2:2020)

prEN 17615 en  
Plastics – Environmental Aspects – Vocabulary

## **HZN/TO 533, Kolničke konstrukcije**

prEN 12697-7 en  
Bituminous mixtures – Test methods – Part 7: Determination of the bulk density of bituminous specimens by gamma rays  
Bitumenske mješavine – Metode ispitivanja – 7. dio: Određivanje gustoće uzoraka asfalta gama zrakama

prEN 12697-15 en  
Bituminous mixtures – Test methods – Part 15: Determination of the segregation sensitivity  
Bitumenske mješavine – Metode ispitivanja – 15. dio: Određivanje osjetljivosti na odvajanje

prEN 12697-36 en  
Bituminous mixtures – Test methods – Part 36: Determination of the thickness of bituminous pavement  
Bitumenske mješavine – Metode ispitivanja – 36. dio: Određivanje debljine asfaltnih slojeva u kolniku

prEN 13286-1 en  
Unbound and hydraulically bound mixtures – Part 1: Test methods for laboratory reference density and water content – Introduction, general requirements and sampling  
Nevezane i hidrauličnim vezivom vezane mješavine – 1. dio: Metode ispitivanja za određivanje laboratorijske referencijske gustoće i udjela vode – Uvod, opći zahtjevi i uzorkovanje

prEN 13286-4 en  
Unbound and hydraulically bound mixtures – Part 4: Test methods for laboratory reference density and water content – Vibrating hammer  
Nevezane i hidrauličnim vezivom vezane mješavine – 4. dio: Metode ispitivanja za određivanje laboratorijske referencijske gustoće i udjela vode – Vibrirajući čekić

prEN 13286-41 en  
Unbound and hydraulically bound mixtures – Part 41: Test method for the determination of the compressive strength of hydraulically bound mixtures  
Nevezane i hidrauličnim vezivom vezane mješavine – 41. dio: Metoda ispitivanja za određivanje tlačne čvrstoće hidrauličnim vezivom vezanih mješavina

prEN 13286-47 en  
Unbound and hydraulically bound mixtures – Part 47: Test method for the determination of California bearing ratio, immediate bearing index and linear swelling  
Nevezane i hidrauličnim vezivom vezane mješavine – 47. dio: Metoda ispitivanja za određivanje kalifornijskog indeksa nosivosti, neposrednog indeksa nosivosti i linearnog bubrenja

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

prEN 933-5 en  
Tests for geometrical properties of aggregates – Part 5: Determination of percentage of crushed particles in coarse and all-in natural aggregates  
Ispitivanja geometrijskih svojstava agregata – 5. dio: Određivanje udjela drobljenih zrna u krupnim i nefrakcioniranim prirodnim agregatima

prEN 933-6 en  
Tests for geometrical properties of aggregates – Part 6: Assessment of surface characteristics – Flow coefficient of aggregates  
Ispitivanja geometrijskih svojstava agregata – 6. dio: Procjena značajka površina – Koeficijent protoka agregata

prEN 1097-7 en  
Tests for mechanical and physical properties of aggregates – Part 7: Determination of the particle density of filler – Pycnometer method  
Ispitivanja mehaničkih i fizikalnih svojstava agregata – 7. dio: Određivanje gustoće punila – Piknometrijska metoda

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

prEN 12427 en  
Industrial, commercial and garage doors and gates – Air permeability – Test method  
Industrijska, komercijalna, garažna i ostala ulazna vrata – Zrakopropusnost – Metoda ispitivanja

prEN 12444 en  
Industrial, commercial and garage doors and gates  
– Resistance to wind load – Testing and calculation  
Industrijska, komercijalna, garažna i ostala ulazna vrata  
– Otpornost na opterećenje vjetrom – Ispitivanja i proračun

prEN 12489 en  
Industrial, commercial and garage doors and gates  
– Resistance to water penetration – Test method  
Industrijska, komercijalna, garažna i ostala ulazna vrata  
– Otpornost na prodor vode – Metoda ispitivanja

prEN 13241 en  
Industrial, commercial, garage doors and gates – Product  
standard, performance characteristics  
Industrijska, komercijalna, garažna i ostala ulazna vrata  
– Norma za proizvod, izvedbene značajke

prEN 16005 en  
Power operated pedestrian doorsets – Safety in use  
– Requirements and test methods  
Strojno pogonjena vrata za pješake – Sigurnost uporabe  
– Zahtjevi i metode ispitivanja

prEN 17610 en  
Building hardware – Environmental product declarations  
– Product category rules complementary to EN 15804 for  
building hardware  
Građevni okovi – Izjava zaštite okoliša – Pravila za  
kategorizaciju proizvoda kao dopuna norme EN 15804 za  
građevne okove

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

prEN ISO 6410-3 en  
Technical drawings – Screw threads and threaded parts  
– Part 3: Simplified representation (ISO/DIS 6410-3:2020)  
Tehnički crteži – Vijčani navoji i navojni dijelovi – 3. dio:  
Pojednostavljeno prikazivanje (ISO/DIS 6410-3:2020)

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

prEN 15632-1 en  
District heating pipes – Pre-insulated flexible pipe systems  
– Part 1: Classification, general requirements and test  
methods  
Cijevi za daljinsko grijanje – Sustavi predizoliranih savitljivih  
cijevi – 1. dio: Razredba, opći zahtjevi i metode ispitivanja

prEN 15632-2 en  
District heating pipes – Factory made flexible pipe systems  
– Part 2: Bonded system with plastic service pipes,  
requirements and test methods  
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi  
savitljivih cijevi – 2. dio: Spojeni sustav s plastičnim cijevima,  
zahtjevi i metode ispitivanja

prEN 15632-3 en  
District heating pipes – Factory made flexible pipe systems  
– Part 3: Non bonded system with plastic service pipes,  
requirements and test methods  
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi  
savitljivih cijevi – 3. dio: Nespojani sustav s plastičnim  
cijevima, zahtjevi i metode ispitivanja

prEN 15632-4 en  
District heating pipes – Factory made flexible pipe systems  
– Part 4: Bonded system with metal service pipes,  
requirements and test methods  
Cijevi za daljinsko grijanje – Tvornički izrađeni sustavi  
savitljivih cijevi – 4. dio: Spojeni sustav s metalnim cijevima,  
zahtjevi i metode ispitivanja

prEN 17609 en  
Building automation and control systems – Control  
applications  
Sustavi automatizacije i upravljanja u zgradama – Aplikacije  
za upravljanje

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

prEN 12806 en  
LPG equipment and accessories – Automotive liquefied  
petroleum gas components – Other than containers  
Oprema i pribor za UNP – Sastavni dijelovi za pogon vozila na  
ukapljeni naftni plin – Sastavni dijelovi osim spremnika

prEN 12979 en  
LPG equipment and accessories – Automotive LPG-systems  
– Installation requirements  
Oprema i pribor za UNP – UNP sustavi za automobile  
– Zahtjevi za ugradnju

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

prEN ISO 23266 en  
Soil quality – Test for measuring the inhibition of reproduction  
in oribatid mites (*Oppia nitens*) exposed to contaminants in  
soil (ISO 23266:2020)

prEN ISO 24032 en  
Soil quality – In situ caging of snails to assess bioaccumulation  
of contaminants (ISO/DIS 24032:2020)

### **HZN/TO E22, Energetska elektronika**

prEN IEC 61800-5-1:2020 en  
Adjustable speed electrical power drive systems – Part 5-1:  
Safety requirements – Electrical, thermal and energy  
(IEC 61800-5-1:202X)  
Elektromotorni sustavi prilagodljive brzine – Dio 5-1:  
Zahtjevi na sigurnost – Električni, toplinski i energetske  
(IEC 61800-5-1:202X)

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

prEN 17624 en  
Determination of explosion limits of gases and vapours at  
elevated pressures, elevated temperatures or with oxidizers  
other than air

prEN 60079-11:2020 en  
Explosive atmospheres – Part 11: Equipment protection by  
intrinsic safety “i” (IEC 60079-11:202X)  
Eksplozivne atmosfere – 11. dio: Vrsta zaštite opreme  
samosigurnost “i” (IEC 60079-11:202X)

### **HZN/TO E36, Izolatori**

prEN 50336 en  
Bushings for transformers and reactor cable boxes not  
exceeding 36 kV  
Provodni izolatori za transformatore i kableske kutije za  
prigušnice koji ne premašuju 36 kV

### **HZN/TO E44, Elektrotehnička sigurnost strojeva**

EN 60204-1:2018/prA1:2020 en  
Safety of machinery – Electrical equipment of machines  
– Part 1: General requirements (IEC 60204-1:2016/am1:202X)  
Sigurnost strojeva – Električna oprema strojeva – 1. dio: Opći  
zahtjevi (IEC 60204-1:2016/am1:202X)

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

EN 60335-2-15:2016/prA1:2020 en  
Household and similar electrical appliances – Safety  
– Part 2-15: Particular requirements for appliances for heating  
liquids (IEC 60335-2-15:2012/am1:2016)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15:  
Posebni zahtjevi za aparate za grijanje tekućina  
(IEC 60335-2-15:2012/am1:2016)

EN 60335-2-15:2016/prA12:2020 en  
Household and similar electrical appliances – Safety  
– Part 2-15: Particular requirements for appliances for heating  
liquids  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15:  
Posebni zahtjevi za aparate za grijanje tekućina

EN 60335-2-15:2016/prA2:2020 en

Household and similar electrical appliances – Safety – Part 2-15: Particular requirements for appliances for heating liquids (IEC 60335-2-15:2012/am2:2018)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-15: Posebni zahtjevi za aparate za grijanje tekućina (IEC 60335-2-15:2012/am2:2018)

prEN IEC 60335-2-2:2020 en

Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances (IEC 60335-2-2:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-2: Posebni zahtjevi za usisavače prašine i usisavače vode (IEC 60335-2-2:2019)

prEN IEC 60335-2-2:2020/prA11:2020 en

Household and similar electrical appliances – Safety – Part 2-2: Particular requirements for vacuum cleaners and water-suction cleaning appliances  
Kućanski i slični električni aparati – Sigurnost – Dio 2-2: Posebni zahtjevi za usisavače prašine i usisavače vode

prEN IEC 60335-2-27:2020 en

Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation (IEC 60335-2-27:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-27: Posebni zahtjevi za aparate za izlaganje kože ultraljubičastomu i infracrvenomu zračenju (IEC 60335-2-27:2019)

prEN IEC 60335-2-27:2020/prA11:2020 en

Household and similar electrical appliances – Safety – Part 2-27: Particular requirements for appliances for skin exposure to ultraviolet and infrared radiation  
Kućanski i slični električni aparati – Sigurnost – Dio 2-27: Posebni zahtjevi za aparate za izlaganje kože ultraljubičastomu i infracrvenomu zračenju

prEN 60335-2-84:2020 en

Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances (IEC 60335-2-84:2019)

prEN 60335-2-84:2020/prAA:2020 en

Household and similar electrical appliances – Safety – Part 2-84: Particular requirements for toilet appliances

prEN IEC 60335-2-96:2020 en

Household and similar electrical appliances – Safety – Part 2-96: Particular requirements for flexible sheet heating elements for room heating (IEC 60335-2-96:2019)  
Kućanski i slični električni aparati – Sigurnost – Dio 2-96: Posebni zahtjevi za gipke pločaste grijuće elemente (IEC 60335-2-96:2019)

prEN IEC 60335-2-96:2020/prA11:2020 en

Household and similar electrical appliances – Safety – Part 2-96: Particular requirements for flexible sheet heating elements for room heating  
Kućanski i slični električni aparati – Sigurnost – Dio 2-96: Posebni zahtjevi za gipke pločaste grijuće elemente

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

prEN IEC 81001-5-1:2020 en

Health Software and health IT systems safety, effectiveness and security – Part 5-1: Security – Activities in the product lifecycle (IEC 81001-5-1:202X)  
Sigurnost, učinkovitost i zaštita zdravstvenog softvera i zdravstvenih informacijskih sustava – Dio 5-1: Sigurnost – Aktivnosti u životnom ciklusu proizvoda (IEC 81001-5-1:202X)

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

prEN IEC 62682:2020 en

Management of alarms systems for the process industries (IEC 62682:202X)  
Upravljanje alarmima za procesnu industriju (IEC 62682:202X)

## **HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu**

EN IEC 60730-2-14:2019/prA2:2020 en

Automatic electrical controls – Part 2-14: Particular requirements for electric actuators (IEC 60730-2-14:2017/am2:202X)  
Električne naprave za automatsko upravljanje – Dio 2-14: Posebni zahtjevi za električne izvršne članove (aktuatori) (IEC 60730-2-14:2017/am2:202X)

EN IEC 60730-2-8:2020/prA1:2020 en

Automatic electrical controls – Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements (IEC 60730-2-8:2018/am1:202X)

## **HZN/TO E78, Rad pod naponom**

prEN 50365 en

Live Working – Electrically insulating helmets for use on low and medium voltage installations

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

EN 61996-1:2013/prA1:2020 en

Maritime navigation and radiocommunication equipment and systems – Shipborne voyage data recorder (VDR) – Part 1: Performance requirements, methods of testing and required test results

## **HZN/TO E112, Procjena i značajke električnih izolacijskih materijala i sustava**

prEN IEC 62631-3-1:2020 en

Dielectric and resistive properties of solid insulating materials – Part 3-1: Determination of resistive properties (DC methods) – Volume resistance and volume resistivity – General method (IEC 62631-3-1:202X)  
Dielektrična i otporna svojstva čvrstih izolacijskih materijala – Dio 3-1: Određivanje otpornih svojstava (Metode istosmjernje struje) – Ukupan otpor i specifičan otpor – Opća metoda (IEC 62631-3-1:202X)

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

Draft EN 301 489-50 V2.2.2:2020 en

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 for ElectroMagnetic Compatibility  
Norma za elektromagnetsku kompatibilnost radijske (EMC) opreme i servisa – 50. dio: Posebni uvjeti za bazne postaje (BS) pokretnih komunikacija, repetitore i pomoćnu opremu – Harmonizirana norma za elektromagnetsku kompatibilnost

Draft EN 301 549 V3.2.1:2020 en

Accessibility requirements for ICT products and services  
Zahtjevi s obzirom na dostupnost ICT proizvoda i usluga

Draft EN 302 099 V2.1.30:2020 en

Environmental Engineering (EE) – Powering of equipment in access network  
Ekoinženjering (EE) – Napajanje uređaja u pristupnoj mreži

Draft EN 303 364-2 V1.0.1:2020 en

Primary Surveillance Radar (PSR) – Harmonised Standard for access to radio spectrum – Part 2: Air Traffic Control (ATC) PSR sensors operating in the frequency band 2 700 MHz to 3 100 MHz (S band)  
Primarni nadzorni radar (PSR) – Harmonizirana norma za pristup radijskom spektru – 2. dio: PSR senzori za kontrolu zračnoga prometa (ATC) koji rade u frekvencijskom pojasu od 2 700 MHz do 3 100 MHz (S pojas)

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

prEN ISO 4918 en

Resilient, textile and laminate floor coverings – Castor chair test (ISO 4918:2016)  
Elastične, tekstilne i laminatne podne obloge – Ispitivanje otpornosti na kotačiće namještaja (ISO 4918:2016)

prEN 15602 en

Security service providers – Terminology  
Pružatelji zaštitarskih usluga – Nazivlje

prEN 17616 en  
Outdoor candles – Specification for fire safety

prEN 17617 en  
Outdoor candles – Product safety labels

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

prEN 13523-3 en  
Coil coated metals – Test methods – Part 3: Colour difference – Instrumental comparison  
Prevučeni metali u namotajima – Metode ispitivanja – 3. dio: Razlika u boji – Usporedba s pomoću instrumenta

prEN 13523-7 en  
Coil coated metals – Test methods – Part 7: Resistance to cracking on bending (T-bend test)  
Prevučeni metali u namotajima – Metode ispitivanja – 7. dio: Otpornost na pojavu pukotina tijekom savijanja (T- postupak savijanja)

prEN 13523-9 en  
Coil coated metals – Test methods – Part 9: Resistance to water immersion  
Prevučeni metali u namotajima – Metode ispitivanja – 9. dio: Otpornost na uranjanje u vodu

prEN 13523-25 en  
Coil coated metals – Test methods – Part 25: Resistance to humidity  
Prevučeni metali u namotajima – Metode ispitivanja – 25. dio: Otpornost na vlagu

prEN 13523-26 en  
Coil coated metals – Test methods – Part 26: Resistance to condensation of water  
Prevučeni metali u namotajima – Metode ispitivanja – 26. dio: Otpornost na kondenzaciju vode

prEN 17618 en  
Adhesives – Wood-to-wood adhesive bonds for non-structural applications – Determination of shear strength by compressive loading  
Adhezivi – Lijepljeni spojevi drvo-drvo za nekonstrukcijske primjene – Određivanje posmične čvrstoće tlačnim opterećenjem

prEN 17619 en  
Classification of wood adhesives for non-structural timber products for exterior use  
Klasifikacija adheziva za drvo za nekonstrukcijske primjene u otvorenim prostorima

prEN ISO/ASTM 52903-1 en  
Additive manufacturing – Material extrusion-based additive manufacturing of plastic materials – Part 1: Feedstock materials (ISO/ASTM 52903-1:2020)  
Aditivna proizvodnja – Aditivna proizvodnja plastičnih materijala na bazi ekstruzije materijala – 1. dio: Sirovine (ISO/ASTM 52903-1:2020)

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

prEN ISO 27048 en  
Radiation protection – Dose assessment for the monitoring of workers for internal radiation exposure (ISO 27048:2011)  
Zaštita od zračenja – Procjena doze za praćenje radnika radi unutarnjeg izlaganja zračenju (ISO 27048:2011)

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

prEN 1757 en  
Safety of industrial trucks – Pedestrian controlled manual platform trucks

EN 2133:2020 en  
Aerospace series – Cadmium plating of steels with specified tensile strength  $\leq 1\,450$  MPa, copper, copper alloys and nickel alloys  
Zrakoplovstvo – Kadmijske prevlake za čelik s određenom zateznom čvrstoćom = 1 450 MPa, bakar, legure bakra i legure nikla

FprEN 4566 en  
Aerospace series – Heat resisting alloy CO-PH4101 (CoCr20W15N1) – Vacuum melted – Solution treated – Forgings –  $D \leq 100$  mm

prEN 6052 en  
Aerospace series – Rivet-collar-system, aluminium alloy, shear type, inch series – Technical Specification

prEN 16604-30-01 en  
Space – Space Situational Awareness Monitoring – Part 01: Glossary of Near Earth objects and space surveillance and tracking terms

## **HZN/TU U1, *Opća elektrotehnika 1***

prEN IEC 60152:2020 en  
Identification by hour numbers of the phase conductors of 3-phase electric systems (IEC 60152:202X)  
Identifikacija faznih vodiča trofaznih električnih sustava satnim brojevima (IEC 60152:202X)

prEN IEC 60445:2020 en  
Basic and safety principles for man-machine interface, marking and identification – Identification of equipment terminals, conductor terminations and conductors (IEC 60445:202X)  
Osnovna i sigurnosna načela za sučelje čovjek-stroj, označavanje i identifikacija – Identifikacija priključaka opreme, krajeva vodiča i vodiča (IEC 60445:202X)

prEN IEC 81346-1:2020 en  
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 1: Basic rules (IEC 81346-1:202X)  
Industrijski sustavi, instalacije i oprema te industrijski proizvodi – Strukturiranje načela i referencijske oznake – 1. dio: Osnovna pravila (IEC 81346-1:202X)

## **HZN/TU V1, *Elektronika 1***

prEN 60115-1 en  
Fixed resistors for use in electronic equipment – Part 1: Generic specification (IEC 60115-1:2020)

prEN IEC 60444-6:2020 en  
Measurement of quartz crystal unit parameters – Part 6: Measurement of drive level dependence (DLD) (IEC 60444-6:202X)

prEN IEC 60749-28:2020 en  
Semiconductor devices – Mechanical and climatic test methods – Part 28: Electrostatic discharge (ESD) sensitivity testing – Charged device model (CDM) – device level (IEC 60749-28:202X)

prEN IEC 61169-54:2020 en  
Radio frequency connectors – Part 54: Sectional specification for coaxial connectors with 10 mm inner diameter of outer conductor, nominal characteristic impedance 50 Ohms, Series 4.3-10 (IEC 61169-54:202X)

## **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 7606:2001 en  
Brodogradnja – Brodovi unutrašnje plovidbe – Zagaznice (ISO 7606:1988)  
Shipbuilding – Inland navigation vessels – Draught scales (ISO 7606:1988)  
- bez zamjene

HRN EN ISO 8666:2018 en  
Mala plovila – Osnovni podaci (ISO 8666:2016; EN ISO 8666:2018)  
Small craft – Principal data (ISO 8666:2016; EN ISO 8666:2018)  
- zamijenjena s: HRN EN ISO 8666:2020



HRN ISO/TR 14564:2003 en  
Brodogradnja i pomorske konstrukcije – Označivanje putova bijega (ISO/TR 14564:1995)  
Shipbuilding and marine structures – Marking of escape routes (ISO/TR 14564:1995)  
- bez zamjene

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

HRN EN ISO 5923:2013 en  
Oprema za zaštitu od požara i gašenje požara – Mediji za gašenje požara – Ugljikov dioksid (ISO 5923:2012; EN ISO 5923:2012)  
Equipment for fire protection and fire fighting – Fire extinguishing media – Carbon dioxide (ISO 5923:2012; EN ISO 5923:2012)  
- bez zamjene

HRN EN 15004-3:2008 en  
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 3. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HCFC Blend A (ISO 14520-6:2006, MOD; EN 15004-3:2008)  
Fixed firefighting systems – Gas extinguishing systems – Part 3: Physical properties and system design of gas extinguishing systems for HCFC Blend A extinguishant (ISO 14520-6:2006, MOD; EN 15004-3:2008)  
- bez zamjene

### **HZN/TO 37, Terminologija**

HRN ISO 24617-7:2018 en  
Upravljanje jezičnim resursima – Okvir za semantičko označivanje – 7. dio: Prostorni podaci (ISO prostor) (ISO 24617-7:2014)  
Language resource management – Semantic annotation framework – Part 7: Spatial information (ISOspace) (ISO 24617-7:2014)  
- zamijenjena s: HRN ISO 24617-7:2020

HRN ISO 29383:2010 en  
Terminološke politike – Razvoj i primjena (ISO 29383:2010)  
Terminology policies – Development and implementation (ISO 29383:2010)  
- zamijenjena s: HRN ISO 29383:2020

### **HZN/TO 43, Akustika**

HRN EN ISO 11690-1:1998 en  
Akustika – Preporuke za projektiranje radnih mjesta sa strojevima s malom bukom – 1. dio: Strategije zaštite od buke (ISO 11690-1:1996; EN ISO 11690-1:1996)  
Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 1: Noise control strategies (ISO 11690-1:1996; EN ISO 11690-1:1996)  
- zamijenjena s: HRN EN ISO 11690-1:2020

HRN EN ISO 11690-2:1998 en  
Akustika – Preporuke za projektiranje radnih mjesta sa strojevima s malom bukom – 2. dio: Mjere zaštite od buke (ISO 11690-2:1996; EN ISO 11690-2:1996)  
Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures (ISO 11690-2:1996; EN ISO 11690-2:1996)  
- zamijenjena s: HRN EN ISO 11690-2:2020

HRN EN ISO 11691:2010 en  
Akustika – Mjerenje unesenog prigušenja prigušivača u kanalima bez protoka – Laboratorijska pregledna metoda (ISO 11691:1995; EN ISO 11691:2009)  
Acoustics – Measurement of insertion loss of ducted silencers without flow – Laboratory survey method (ISO 11691:1995; EN ISO 11691:2009)  
- zamijenjena s: HRN EN ISO 11691:2020

HRN EN ISO 12999-1:2014 en  
Akustika – Određivanje i primjena mjerne nesigurnosti u akustici u zgradarstvu – 1. dio: Zvučna izolacija (ISO 12999-1:2014; EN ISO 12999-1:2014)  
Acoustics – Determination and application of measurement uncertainties in building acoustics – Part 1: Sound insulation (ISO 12999-1:2014; EN ISO 12999-1:2014)  
- zamijenjena s: HRN EN ISO 12999-1:2020

HRN EN 16205:2018 en  
Laboratorijsko mjerenje buke hodanja po podovima (EN 16205:2013+A1:2018)  
Laboratory measurement of walking noise on floors (EN 16205:2013+A1:2018)  
- zamijenjena s: HRN EN 16205:2020

### **HZN/TO 44, Zavarivanje i srodni postupci**

HRN EN ISO 9454-2:2001 en  
Talila za meko lemljenje – Razredba i zahtjevi – 2. dio: Zahtijevana svojstva (ISO 9454-2:1998; EN ISO 9454-2:2000)  
Soft soldering fluxes – Classification and requirements – Part 2: Performance requirements (ISO 9454-2:1998; EN ISO 9454-2:2000)  
- zamijenjena s: HRN EN ISO 9454-2:2020

HRN EN ISO 9455-9:2002 en  
Talila za meko lemljenje – Ispitne metode – 9. dio: Određivanje sadržaja amonijaka (ISO 9455-9:1993; EN ISO 9455-9:1995)  
Soft soldering fluxes – Test methods – Part 9: Determination of ammonia content (ISO 9455-9:1993; EN ISO 9455-9:1995)  
- zamijenjena s: HRN EN ISO 9455-9:2020

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

HRN ISO 8:1997 en  
Dokumentacija – Oblikovanje periodičkih publikacija (ISO 8:1977)  
Documentation – Presentation of periodicals (ISO 8:1977)  
- zamijenjena s: HRN ISO 8:2020

HRN ISO 15836:2014 en  
Informacije i dokumentacija – Skup elemenata metapodataka Dublin core (ISO 15836:2009+Cor 1:2009)  
Information and documentation – The Dublin Core metadata element set (ISO 15836:2009+Cor 1:2009)  
- zamijenjena s: HRN ISO 15836-1:2018, HRN ISO 15836-2:2020

HRN ISO 30300:2017 en  
Informacije i dokumentacija – Sustavi upravljanja zapisima – Osnove i terminološki rječnik (ISO 30300:2011)  
Information and documentation – Management systems for records – Fundamentals and vocabulary (ISO 30300:2011)  
- zamijenjena s: HRN ISO 30300:2020

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

HRN EN 16901:2017 en  
Zamrzivači za sladoled – Razredba, zahtjevi i uvjeti ispitivanja (EN 16901:2016)  
Ice-cream freezers – Classification, requirements and test conditions (EN 16901:2016)  
- zamijenjena s: HRN EN ISO 22043:2020

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

HRN EN ISO 17510-1:2010 en  
Respiratorna terapija apneje pri spavanju – 1. dio: Uređaji za respiratornu terapiju apneje pri spavanju (ISO 17510-1:2007; EN ISO 17510-1:2009)  
Sleep apnoea breathing therapy – Part 1: Sleep apnoea breathing therapy equipment (ISO 17510-1:2007; EN ISO 17510-1:2009)  
- zamijenjena s: HRN EN ISO 80601-2-70:2020

HRN EN ISO 18779:2008 en  
Medicinski uređaji za čuvanje kisika i mješavina kisika – Posebni zahtjevi (ISO 18779:2005; EN ISO 18779:2005)  
Medical devices for conserving oxygen and oxygen mixtures – Particular requirements (ISO 18779:2005; EN ISO 18779:2005)  
- zamijenjena s: HRN EN ISO 80601-2-67:2020

HRN EN ISO 80601-2-69:2015 en  
Medicinska električna oprema – Dio 2-69: Posebni zahtjevi za osnovnu sigurnost i nužne značajke uređaja za koncentriranje kisika (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)  
Medical electrical equipment – Part 2-69: Particular requirements for basic safety and essential performance of oxygen concentrator equipment (ISO 80601-2-69:2014; EN ISO 80601-2-69:2014)  
- zamijenjena s: HRN EN ISO 80601-2-69:2020

### **HZN/TO 135, Nerazorna ispitivanja**

HRN EN 16018:2013 en,fr,de  
Nerazorno ispitivanje – Nazivlje – Nazivi koji se upotrebljavaju pri ultrazvučnom ispitivanju višepretvorničkom tehnikom (EN 16018:2011)  
Non-destructive testing – Terminology – Terms used in ultrasonic testing with phased arrays (EN 16018:2011)  
- zamijenjena s: HRN EN ISO 23243:2020

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

HRN EN 1329-1:2018 en  
Plastični cijevni sustavi za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar građevinskih konstrukcija – Neomekšani poli(vinil-klorid) (PVC-U) – 1. dio: Specifikacije za cijevi, spojnice i sustav (EN 1329-1:2014+A1:2018)  
Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes, fittings and the system (EN 1329-1:2014+A1:2018)  
- zamijenjena s: HRN EN 1329-1:2020

## **HZN/TO 146, *Kvaliteta zraka***

HRN ISO 4225:1997 hr,en,fr  
Kakvoća zraka – Opća gledišta – Rječnik (ISO 4225:1994)  
Air quality – General aspects – Vocabulary (ISO 4225:1994)  
- zamijenjena s: HRN ISO 4225:2020

HRN ISO 12039:2012 en  
Emisije iz stacionarnih izvora – Određivanje ugljikova monoksida, ugljikova dioksida i kisika – Značajke automatskih mjernih sustava i njihova kalibracija (ISO 12039:2001)  
Stationary source emissions – Determination of carbon monoxide, carbon dioxide and oxygen – Performance characteristics and calibration of automated measuring systems (ISO 12039:2001)  
- zamijenjena s: HRN ISO 12039:2020

HRN EN ISO 22065:2019 en  
Zrak u radnom prostoru – Plinovi i pare – Zahtjevi za vrednovanje mjernih postupaka uporabom prisosnih uzorkivača (ISO 22065:2019; EN ISO 22065:2019)  
Workplace air – Gases and vapours – Requirements for evaluation of measuring procedures using pumped samplers (ISO 22065:2019; EN ISO 22065:2019)  
- zamijenjena s: HRN EN ISO 22065:2020

## **HZN/TO 147, *Kvaliteta vode***

HRN ISO 5667-10:2000 hr  
Kakvoća vode – Uzorkovanje – 10. dio: Smjernice za uzorkovanje otpadnih voda (ISO 5667-10:1992)  
Water quality – Sampling – Part 10: Guidance on sampling of waste waters (ISO 5667-10:1992)  
- zamijenjena s: HRN ISO 5667-10:2020

HRN ISO 13166:2014 en  
Kvaliteta vode – Izotopi urana – Metoda ispitivanja s upotrebom alfa-spektrometrije (ISO 13166:2014)  
Water quality – Uranium isotopes – Test method using alpha-spectrometry (ISO 13166:2014)  
- zamijenjena s: HRN ISO 13166:2020

## **HZN/TO 172, *Optika i optički instrumenti***

HRN EN ISO 15004-1:2010 en  
Oftalmološki instrumenti – Osnovni zahtjevi i metode ispitivanja – 1. dio: Opći zahtjevi primijenjeni za sve oftalmološke instrumente (ISO 15004-1:2006; EN ISO 15004-1:2009)  
Ophthalmic instruments – Fundamental requirements and test methods – Part 1: General requirements applicable to all ophthalmic instruments (ISO 15004-1:2006; EN ISO 15004-1:2009)  
- zamijenjena s: HRN EN ISO 15004-1:2020

## **HZN/TO 181, *Sigurnost igraćaka i proizvodi za djecu***

HRN EN 13210:2008 en  
Proizvodi za dojenčad i malu djecu – Sigurnosno remenje i slični proizvodi – Sigurnosni zahtjevi i metode ispitivanja (EN 13210:2004)  
Child use and care articles – Children's harnesses, reins and similar type articles – Safety requirements and test methods (EN 13210:2004)  
- zamijenjena s: HRN EN 13210-1:2020, HRN EN 13210-2:2020

HRI CEN/TR 16411:2017 en  
Proizvodi za dojenčad i malu djecu – Kompilacija tumačenja norma iz područja rada CEN/TC 252 za 2014. godinu (CEN/TR 16411:2014)  
Child use and care articles – 2014 compiled interpretations of CEN/TC 252 standards (CEN/TR 16411:2014)  
- zamijenjena s: HRI CEN/TR 16411:2020

## **HZN/TO 182, *Geotehničke konstrukcije***

HRN EN 12715:2008 en  
Izvedba posebnih geotehničkih radova – Injektiranje (EN 12715:2000)  
Execution of special geotechnical work – Grouting (EN 12715:2000)  
- zamijenjena s: HRN EN 12715:2020

## **HZN/TO 215, *Zdravstvena informatika***

HRN EN ISO 12967-1:2012 en  
Medicinska informatika – Arhitektura usluga – 1. dio: Poslovno gledište (ISO 12967-1:2009; EN ISO 12967-1:2011)  
Health informatics – Service architecture – Part 1: Enterprise viewpoint (ISO 12967-1:2009; EN ISO 12967-1:2011)  
- zamijenjena s: HRN EN ISO 12967-1:2020

HRN EN ISO 12967-2:2012 en  
Medicinska informatika – Arhitektura usluga – 2. dio: Informatičko gledište (ISO 12967-2:2009; EN ISO 12967-2:2011)  
Health informatics – Service architecture – Part 2: Information viewpoint (ISO 12967-2:2009; EN ISO 12967-2:2011)  
- zamijenjena s: HRN EN ISO 12967-2:2020

HRN EN ISO 12967-3:2012 en  
Medicinska informatika – Arhitektura usluga – 3. dio: Računalno gledište (ISO 12967-3:2009; EN ISO 12967-3:2011)  
Health informatics – Service architecture – Part 3: Computational viewpoint (ISO 12967-3:2009; EN ISO 12967-3:2011)  
- zamijenjena s: HRN EN ISO 12967-3:2020

## **HZN/TO 221, *Geosintetici***

HRN EN ISO 9863-2:2002 en  
Geotekstil i proizvodi srodnih s geotekstilom – Određivanje debljine pri određenim tlakovima – 2. dio: Postupak određivanja debljine pojedinačnih slojeva višeslojnih proizvoda (ISO 9863-2:1996; EN ISO 9863-2:1996)  
Geotextiles and geotextile-related products – Determination of thickness at specified pressures – Part 2: Procedure for determination of thickness of single layers of multilayer products (ISO 9863-2:1996; EN ISO 9863-2:1996)  
- bez zamjene

HRN EN 12225:2002 en  
Geotekstil i proizvodi srodnih s geotekstilom – Metoda za određivanje mikrobiološke otpornosti postupkom zakapanja u tlo (EN 12225:2000)  
Geotextiles and geotextile-related products – Method for determining the microbiological resistance by a soil burial test (EN 12225:2000)  
- zamijenjena s: HRN EN 12225:2020

HRN EN ISO 12958:2010 en  
Geotekstil i proizvodi srodnih s geotekstilom – Određivanje kapaciteta otjecanja vode u ravnini (ISO 12958:2010; EN ISO 12958:2010)  
Geotextiles and geotextile-related products – Determination of water flow capacity in their plane (ISO 12958:2010; EN ISO 12958:2010)  
- zamijenjena s: HRN EN ISO 12958-1:2020, HRN EN ISO 12958-2:2020

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

HRN EN ISO 12004-1:2008 en  
Metalni materijali – Lim i traka – Određivanje krivulja granice oblikovanja – 1. dio: Mjerenje i primjena dijagrama granice oblikovanja u kovačnici (ISO 12004-1:2008; EN ISO 12004-1:2008)  
Metallic materials – Sheet and strip – Determination of forming-limit curves – Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2008; EN ISO 12004-1:2008)  
- zamijenjena s: HRN EN ISO 12004-1:2020

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

HRN EN ISO 15156-1:2015 en  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 1. dio: Opća načela za odabir materijala otpornih na pucanje (ISO 15156-1:2015; EN ISO 15156-1:2015)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 1: General principles for selection of cracking-resistant materials (ISO 15156-1:2015; EN ISO 15156-1:2015)  
- zamijenjena s: HRN EN ISO 15156-1:2020

HRN EN ISO 15156-2:2015 en  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 2. dio: Ugljični i mikrolegirani čelici otporni na pucanje i upotreba lijevanog željeza (ISO 15156-2:2015; EN ISO 15156-2:2015)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 2: Cracking-resistant carbon and low alloy steels, and the use of cast irons (ISO 15156-2:2015; EN ISO 15156-2:2015)  
- zamijenjena s: HRN EN ISO 15156-2:2020

HRN EN ISO 15156-3:2015 en  
Industrija nafte i prirodnoga plina – Materijali koji se upotrebljavaju pri proizvodnji nafte i prirodnoga plina uz prisutnost sumporovodika (H<sub>2</sub>S) – 3. dio: Legure otporne na koroziju i pucanje i ostale legure (ISO 15156-3:2015; EN ISO 15156-3:2015)  
Petroleum and natural gas industries – Materials for use in H<sub>2</sub>S-containing environments in oil and gas production – Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys (ISO 15156-3:2015; EN ISO 15156-3:2015)  
- zamijenjena s: HRN EN ISO 15156-3:2020

HRN EN ISO 19902:2008 en  
Industrija nafte i prirodnoga plina – Stabilni čelični odobalni objekti (ISO 19902:2007; EN ISO 19902:2007)  
Petroleum and natural gas industries – Fixed steel offshore structures (ISO 19902:2007; EN ISO 19902:2007)  
- zamijenjena s: HRN EN ISO 19902:2020

HRN EN ISO 19902:2008/A1:2014 en  
Industrija nafte i prirodnoga plina – Stabilni čelični odobalni objekti (ISO 19902:2007/Amd 1:2013; EN ISO 19902:2007/A1:2013)  
Petroleum and natural gas industries – Fixed steel offshore structures (ISO 19902:2007/Amd 1:2013; EN ISO 19902:2007/A1:2013)  
- zamijenjena s: HRN EN ISO 19902:2020

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

HRN EN 12966:2015 en  
Vertikalna prometna signalizacija – Promjenjivi prometni znakovi (EN 12966:2014)  
Road vertical signs – Variable message traffic signs (EN 12966:2014)  
- zamijenjena s: HRN EN 12966:2019

## **HZN/TO 513, Mjerne jedinice i mjerila**

HRN ISO 80000-7:2010 en  
Veličine i jedinice – 7. dio: Svjetlost (ISO 80000-7:2008)  
Quantities and units – Part 7: Light (ISO 80000-7:2008)  
- zamijenjena s: HRN ISO 80000-7:2020

## **HZN/TO 517, Posebne vrste konstrukcija**

HRN EN 1004:2008 en  
Pokretne platforme i radni tornjevi od predgotovljenih elemenata – Materijali, mjere, projektna opterećenja, sigurnost i zahtjevi izvedbe (EN 1004:2004)  
Mobile access and working towers made of prefabricated elements – Materials, dimensions, design loads, safety and performance requirements (EN 1004:2004)  
- zamijenjena s: HRN EN 1004-1:2020

HRN EN 15512:2009 en  
Čelični nepokretni skladišni sustavi – Podesivi sustavi polica za palete – Načela za projektiranje (EN 15512:2009)  
Steel static storage systems – Adjustable pallet racking systems – Principles for structural design (EN 15512:2009)  
- zamijenjena s: HRN EN 15512:2020

## **HZN/TO 518, Podovi, stropovi i zidne obloge**

HRN EN 12781:2008 en  
Elektronička naplata – Vrednovanje sukladnosti opreme u vozilu i opreme uz prometnicu s normom ISO 12813 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO 13143-1:2016; EN ISO 13143-1:2016)  
Wallcoverings – Specification for cork panels (EN 12781:2001) – bez zamjene

## **HZN/TO 524, Inteligentni transportni sustavi**

HRN EN ISO 13143-1:2016 en  
Elektronička naplata – Vrednovanje sukladnosti opreme u vozilu i opreme uz prometnicu s normom ISO 12813 – 1. dio: Struktura ispitnog paketa i svrhe ispitivanja (ISO 13143-1:2016; 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 13143-1:2016)  
- zamijenjena s: HRN EN ISO 13143-1:2020

HRS CEN/TS 13149-7:2017 en  
Javni prijevoz – Sustavi za planiranje i kontrolu rasporeda vožnje cestovnih vozila – 7. dio: Arhitektura sustava i mreže (CEN/TS 13149-7:2015)  
Public transport – Road vehicle scheduling and control systems – Part 7: System and Network Architecture (CEN/TS 13149-7:2015)  
- zamijenjena s: HRS CEN/TS 13149-7:2020

HRS CEN ISO/TS 19321:2015 en  
Inteligentni transportni sustavi – Kooperativni ITS – Rječnik podatkovnih struktura informacija u vozilu (IVI) (ISO/TS 19321:2015; CEN ISO/TS 19321:2015)  
Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures (ISO/TS 19321:2015; CEN ISO/TS 19321:2015)  
- zamijenjena s: HRS CEN ISO/TS 19321:2020

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

HRN EN 13231-3:2012 en  
Željeznički sustav – Željeznički gornji ustroj – Preuzimanje radova – 3. dio: Preuzimanje radova na brušenju i izravnavanju tračnica u kolosijeku (EN 13231-3:2012)  
Railway applications – Track – Acceptance of works – Part 3: Acceptance of reprofiling rails in track (EN 13231-3:2012)  
- zamijenjena s: HRN EN 13231-2:2020

HRN EN 13231-4:2013 en  
Željeznički sustav – Željeznički gornji ustroj – Preuzimanje radova – 4. dio: Preuzimanje radova na brušenju i izravnavanju tračnica na skretnicama i križištima (EN 13231-4:2013)  
Railway applications – Track – Acceptance of works – Part 4: Acceptance of reprofiling rails in switches and crossings (EN 13231-4:2013)  
- zamijenjena s: HRN EN 13231-2:2020

HRN EN 13848-2:2007 en  
Željeznički sustav – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 2. dio: Mjerni uređaji – Tračnička vozila za snimanje kolosiječne geometrije (EN 13848-2:2006)  
Railway applications – Track – Track geometry quality – Part 2: Measuring systems – Track recording vehicles (EN 13848-2:2006)  
- zamijenjena s: HRN EN 13848-2:2020

HRN EN 13848-6:2014 en  
Željeznički sustav – Željeznički gornji ustroj – Kvaliteta kolosiječne geometrije – 6. dio: Definiranje kvalitete kolosiječne geometrije (EN 13848-6:2014)  
Railway applications – Track – Track geometry quality – Part 6: Characterisation of track geometry quality (EN 13848-6:2014)  
- zamijenjena s: HRN EN 13848-6:2020

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

HRN EN 17127:2019 en  
Postaje na otvorenom za punjenje plinovitim vodikom s protokolom za punjenje (EN 17127:2018)  
Outdoor hydrogen refuelling points dispensing gaseous hydrogen and incorporating filling protocols (EN 17127:2018)  
- zamijenjena s: HRN EN 17127:2020



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

HRN EN 16236:2018 en  
Ocjenjivanje i provjera stalnosti svojstava (AVCP) agregata – Početno ispitivanje tipa i kontrola tvorničke proizvodnje (EN 16236:2018)  
Assessment and Verification of the Constancy of Performance (AVCP) of aggregates – Type testing and Factory Production Control (EN 16236:2018)  
- bez zamjene

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

HRN EN 107:2001 en  
Metode ispitivanja prozora – Mehaničko ispitivanje (EN 107:1980)  
Methods of testing windows – Mechanical test (EN 107:1980)  
- bez zamjene

HRN EN 15684:2012 en  
Građevni okovi – Mehanički cilindri – Zahtjevi i metode ispitivanja (EN 15684:2012)  
Building hardware – Mechatronic cylinders – Requirements and test methods (EN 15684:2012)  
- zamijenjena s: HRN EN 15684:2020

## **HZN/TO 543, Poštanske usluge**

HRI CEN/TR 15524:2013 en  
Poštanske usluge – Korisnik – Usmjerenja informacija uključujući sustav praćenja i traženja – Opći pojmovi i definicije (CEN/TR 15524:2011)  
Postal services – Customer-directed information including track and trace – General concepts and definitions (CEN/TR 15524:2011)  
- bez zamjene

## **HZN/TO 549, Svjetlo i rasvjeta**

HRN EN 1837:2010 en  
Sigurna uporaba strojeva – Rasvjeta strojeva (EN 1837:1999+A1:2009)  
Safety of machinery – Integral lighting of machines (EN 1837:1999+A1:2009)  
- zamijenjena s: HRN EN 1837:2020

## **HZN/TO 556, Osobna zaštitna oprema**

HRN EN 352-1:2004 en  
Štitnici sluha – Opći zahtjevi – 1. dio: Ušne školjke (EN 352-1:2002)  
Hearing protectors – General requirements – Part 1: Ear-Muffs (EN 352-1:2002)  
- zamijenjena s: HRN EN 352-1:2020

HRN EN 352-2:2004 en  
Štitnici sluha – Opći zahtjevi – 2. dio: Ušni čepovi (EN 352-2:2002)  
Hearing protectors – General requirements – Part 2: Ear-plugs (EN 352-2:2002)  
- zamijenjena s: HRN EN 352-2:2020

HRN EN 352-3:2004 en  
Štitnici sluha – Opći zahtjevi – 3. dio: Ušne školjke pričvršćene na industrijsku zaštitnu kacigu (EN 352-3:2002)  
Hearing protectors – General requirements – Part 3: Ear-muffs attached to an industrial safety helmet (EN 352-3:2002)  
- zamijenjena s: HRN EN 352-3:2020

HRN EN 352-4:2004 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 4. dio: Ušne školjke ovisne o razini (EN 352-4:2001)  
Hearing protectors – Safety requirements and testing – Part 4: Level-dependent ear-muffs (EN 352-4:2001)  
- zamijenjena s: HRN EN 352-4:2020

HRN EN 352-4:2004/A1:2008 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 4. dio: Ušne školjke ovisne o razini (EN 352-4:2001/A1:2005)  
Hearing protectors – Safety requirements and testing – Part 4: Level-dependent ear-muffs (EN 352-4:2001/A1:2005)  
- zamijenjena s: HRN EN 352-4:2020

HRN EN 352-5:2004 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 5. dio: Ušne školjke s aktivnom kompenzacijom šuma (EN 352-5:2002)  
Hearing protectors – Safety requirements and testing – Part 5: Active noise reduction ear-muffs (EN 352-5:2002)  
- zamijenjena s: HRN EN 352-5:2020

HRN EN 352-5:2004/A1:2008 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 5. dio: Ušne školjke s aktivnom kompenzacijom šuma (EN 352-5:2002/A1:2005)  
Hearing protectors – Safety requirements and testing – Part 5: Active noise reduction ear-muffs (EN 352-5:2002/A1:2005)  
- zamijenjena s: HRN EN 352-5:2020

HRN EN 352-6:2004 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 6. dio: Ušne školjke s audio-električkim ulazom (EN 352-6:2002)  
Hearing protectors – Safety requirements and testing – Part 6: Ear-muffs with electrical audio input (EN 352-6:2002)  
- zamijenjena s: HRN EN 352-6:2020

HRN EN 352-7:2004 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 7. dio: Ušni čepovi ovisni o razini (EN 352-7:2002)  
Hearing protectors – Safety requirements and testing – Part 7: Level-dependent ear-plugs (EN 352-7:2002)  
- zamijenjena s: HRN EN 352-7:2020

HRN EN 352-8:2008 en  
Štitnici sluha – Sigurnosni zahtjevi i ispitivanje – 8. dio: Audioušne školjke namijenjene zabavi (EN 352-8:2008)  
Hearing protectors – Safety requirements and testing – Part 8: Entertainment audio ear-muffs (EN 352-8:2008)  
- zamijenjena s: HRN EN 352-8:2020

HRI CR 13464:2008 hr  
Upute za odabir, uporabu i održavanje radnih sredstava za zaštitu očiju i lica (CR 13464:1999)  
Guide to selection, use and maintenance of occupational eye and face protectors (CR 13464:1999)  
- bez zamjene

HRN EN 13819-1:2004 en  
Štitnici sluha – Ispitivanje – 1. dio: Fizikalne ispitne metode (EN 13819-1:2002)  
Hearing protectors – Testing – Part 1: Physical test methods (EN 13819-1:2002)  
- zamijenjena s: HRN EN 13819-1:2020

HRN EN 13819-2:2004 en  
Štitnici sluha – Ispitivanje – 2. dio: Akustičke ispitne metode (EN 13819-2:2002)  
Hearing protectors – Testing – Part 2: Acoustic test methods (EN 13819-2:2002)  
- zamijenjena s: HRN EN 13819-2:2020

## **HZN/TO 560, Tekstilni proizvodi**

HRN EN ISO 12945-1:2003 en  
Tekstil – Određivanje sklonosti površinskom stvaranju dlačica i pilingu na plošnom tekstilu – 1. dio: Metoda u komori za piling (ISO 12945-1:2000; EN ISO 12945-1:2000)  
Textiles – Determination of fabric propensity to surface fuzzing and to pilling – Part 1: Pilling box method (ISO 12945-1:2000; EN ISO 12945-1:2000)  
- zamijenjena s: HRN EN ISO 12945-1:2020

HRN EN ISO 12945-2:2003 en  
Tekstil – Određivanje sklonosti površinskom stvaranju dlačica i pilingu na plošnom tekstilu – 2. dio: Preinačena metoda po Martindaleu (ISO 12945-2:2000; EN ISO 12945-2:2000)  
Textiles – Determination of fabric propensity to surface fuzzing and to pilling – Part 2: Modified Martindale method (ISO 12945-2:2000; EN ISO 12945-2:2000)  
- zamijenjena s: HRN EN ISO 12945-2:2020

HRN EN ISO 12945-3:2014 en  
Tekstil – Određivanje sklonosti tkanine na površinsko stvaranje pilinga, dlačica ili matiranja – 3. dio: Metoda slučajnog prevrtanja (ISO 12945-3:2014; EN ISO 12945-3:2014)  
Textiles – Determination of the fabric propensity to surface pilling, fuzzing or matting – Part 3: Random tumble pilling method (ISO 12945-3:2014; EN ISO 12945-3:2014)  
- zamijenjena s: HRN EN ISO 12945-3:2020

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

HRN EN 13451-1:2016 en  
Oprema za bazene – 1. dio: Opći sigurnosni zahtjevi i metode ispitivanja (EN 13451-1:2011+A1:2016)  
Swimming pool equipment – Part 1: General safety requirements and test methods (EN 13451-1:2011+A1:2016)  
- zamijenjena s: HRN EN 13451-1:2020



HRI CEN/TR 16396:2015 en  
Oprema za dječja igrališta – Odgovori na zahtjeve za tumačenje niza norma EN 1176:2008 (CEN/TR 16396:2012)  
Playground equipment for children – Replies to requests for interpretation of EN 1176:2008 and its parts (CEN/TR 16396:2012)  
- zamijenjena s: HRI CEN/TR 16396:2020

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

HRN EN 13656:2008 en  
Karakterizacija otpada – Mikrovalna razgradnja potpomognuta sa smjesom fluoridne, dušične i kloridne kiseline za naknadno određivanje elemenata (EN 13656:2002)  
Characterization of waste – Microwave assisted digestion with hydrofluoric (HF), nitric (HNO<sub>3</sub>) and hydrochloric (HCl) acid mixture for subsequent determination of elements (EN 13656:2002)  
- zamijenjena s: HRN EN 13656:2020

### **HZN/TO E11, Nadzemni vodovi**

HRN EN 50341-2:2008 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 2. dio: Popis nacionalnih normativnih aspekata (EN 50341-2:2001)  
Overhead electrical lines exceeding AC 45 kV – Part 2: Index of National Normative Aspects (EN 50341-2:2001)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-2:2008/Ispr.1:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 2. dio: Popis nacionalnih normativnih aspekata (EN 50341-2:2001/AC:2006)  
Overhead electrical lines exceeding AC 45 kV – Part 2: Index of National Normative Aspects (EN 50341-2:2001/AC:2006)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-2-4:2016 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-4: Nacionalni normativni aspekti (NNA) za Njemačku (na temelju EN 50341-1:2012) (EN 50341-2-4:2016)  
Overhead electrical lines exceeding AC 1 kV – Part 2-4: National Normative Aspects (NNA) for Germany (based on EN 50341-1:2012) (EN 50341-2-4:2016)  
- zamijenjena s: HRN EN 50341-2-4:2019

HRN EN 50341-2-9:2015 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV – Dio 2-9: Nacionalni normativni aspekti (NNA) za Veliku Britaniju i Sjevernu Irsku (na temelju EN 50341-1:2012) (EN 50341-2-9:2015)  
Overhead electrical lines exceeding AC 1 kV – Part 2-9: National Normative Aspects (NNA) for Great Britain and Northern Ireland (based on EN 50341-1:2012) (EN 50341-2-9:2015)  
- zamijenjena s: HRN EN 50341-2-9:2017

HRN EN 50341-3:2008 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001)  
- zamijenjena s: HRN EN 50341-1:2013, HRN EN 50341-2-8:2017

HRN EN 50341-3:2008/Ispr.1:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001/AC:2006)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001/AC:2006)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-3:2008/Ispr.2:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001/AC:2009)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001/AC:2009)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-3:2008/Ispr.3:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001/AC:2010)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001/AC:2010)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-3:2008/Ispr.4:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001/AC:2010)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001/AC:2010)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50341-3:2008/Ispr.5:2016 en  
Nadzemni električni vodovi izmjenične struje iznad 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50341-3:2001/AC:2006)  
Overhead electrical lines exceeding AC 45 kV – Part 3: Set of National Normative Aspects (EN 50341-3:2001/AC:2006)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-2:2008 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 2. dio: Popis nacionalnih normativnih aspekata (EN 50423-2:2005)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 2: Index of National Normative Aspects (EN 50423-2:2005)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-3:2008 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50423-3:2005)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 3: Set of National Normative Aspects (EN 50423-3:2005)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-3:2008/Ispr.1:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50423-3:2005/AC:2005)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 3: Set of National Normative Aspects (EN 50423-3:2005/AC:2005)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-3:2008/Ispr.2:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50423-3:2005/AC:2009)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 3: Set of National Normative Aspects (EN 50423-3:2005/AC:2009)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-3:2008/Ispr.3:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50423-3:2005/AC:2010)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 3: Set of National Normative Aspects (EN 50423-3:2005/AC:2010)  
- zamijenjena s: HRN EN 50341-1:2013

HRN EN 50423-3:2008/Ispr.4:2014 en  
Nadzemni električni vodovi izmjenične struje iznad 1 kV do uključivo 45 kV – 3. dio: Nacionalni normativni aspekti (EN 50423-3:2005/AC:2010)  
Overhead electrical lines exceeding AC 1 kV up to and including AC 45 kV – Part 3: Set of National Normative Aspects (EN 50423-3:2005/AC:2010)  
- zamijenjena s: HRN EN 50341-1:2013

### **HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali**

HRN HD 480 S1:2008 en  
Ispitna metoda za ocjenjivanje toplinske izdržljivosti savitljivih materijala u obliku lista metodom omotane cijevi (IEC 60795:1984; HD 480 S1:1987)  
Test method for evaluating thermal endurance of flexible sheet materials using the wrapped tube method (IEC 60795:1984; HD 480 S1:1987)  
- bez zamjene

HRN HD 523.3.201 S1:2008 en  
Specifikacija za savitljive izolacijske navlake – 3. dio: Specifikacija zahtjeva za pojedinačne tipove navlaka – 201. list: Toplinski skupljajuće savitljive navlake opće namjene od umreženog PVC-a, omjer skupljanja 2:1 (IEC 60684-3-201:1991; HD 523.3.201 S1:1993)  
Specification for flexible insulating sleeving – Part 3: Specification requirements for individual types of sleeving – Sheet 201: Heat shrinkable sleeving, general purpose, flexible, cross-linked PVC, shrink ratio 2:1 (IEC 60684-3-201:1991; HD 523.3.201 S1:1993)  
- bez zamjene

HRN HD 570 S1:2008 en  
Ispitni postupak za određivanje toplinske izdržljivosti lakova  
– Metoda dielektrične čvrstoće (IEC 60370:1971; HD 570 S1:1990)  
Test procedure for thermal endurance of insulating varnishes  
– Electric strength method (IEC 60370:1971; HD 570 S1:1990)  
- zamijenjena s: HRN EN IEC 60370:2018

### **HZN/TO E36, Izolatori**

HRN EN 60137:2014 en  
Izolirani provodni izolatori za izmjenične napone iznad  
1 000 V (IEC 60137:2008; EN 60137:2008)  
Insulated bushings for alternating voltages above 1 000 V  
(IEC 60137:2008; EN 60137:2008)  
- zamijenjena s: HRN EN 60137:2018

### **HZN/TO E55, Žice za namote**

HRN EN 60317-0-7:2013 en  
Specifikacije pojedinih vrsta žica za namote – Dio 0-7: Opći  
zahtjevi – Potpuno izolirana (FIW) lakirana okrugla bakrena  
žica bez defekta s nazivnim promjerom vodiča 0,040 mm do  
1,600 mm (IEC 60317-0-7:2012; EN 60317-0-7:2012)  
Specifications for particular types of winding wires  
– Part 0-7: General requirements – Fully insulated (FIW)  
zero-defect enamelled round copper wire with  
nominal conductor diameter of 0,040 mm to 1,600 mm  
(IEC 60317-0-7:2012; EN 60317-0-7:2012)  
- zamijenjena s: HRN EN 60317-0-7:2018

### **HZN/TO E56, Pouzdanost**

HRN EN 60300-3-3:2008 en  
Upravljanje pouzdanošću – Dio 3-3: Upute za primjenu  
– Troškovi životnog vijeka (IEC 60300-3-3:2004;  
EN 60300-3-3:2004)  
Dependability management – Part 3-3: Application guide  
– Life cycle costing (IEC 60300-3-3:2004; EN 60300-3-3:2004)  
- zamijenjena s: HRN EN 60300-3-3:2017

HRN EN 61709:2012 en  
Električne komponente – Pouzdanost – Referentni uvjeti  
za učestalosti kvara i modele naprezanja (IEC 61709:2011;  
EN 61709:2011)  
Electric components – Reliability – Reference conditions  
for failure rates and stress models for conversion  
(IEC 61709:2011; EN 61709:2011)  
- zamijenjena s: HRN EN 61709:2017

### **HZN/TO E79, Alarmni sustavi**

HRS CLC/TS 50136-9:2018 en  
Alarmni sustavi – Sustavi i uređaji za prijenos signala  
alarma – 9. dio: Zahtjevi za zajednički protokol za  
prijenos signala alarma koji primjenjuje Internet protokol  
(CLC/TS 50136-9:2017)  
Alarm systems – Alarm transmission systems and  
equipment – Part 9: Requirements for common protocol  
for alarm transmission using the Internet Protocol (IP)  
(CLC/TS 50136-9:2017)  
- zamijenjena s: HRS CLC/TS 50136-9:2020

### **HZN/TO E106, Elektromagnetska polja u ljudskome okolišu**

HRN EN 50400:2007 en  
Osnovna norma za pokazivanje sukladnosti nepokretne  
opreme za radijsko odašiljanje (110 MHz - 40 GHz) namijenjene  
za uporabu u bežičnim telekomunikacijskim mrežama, s  
temeljnim ograničenjima ili referencijskim razinama koje  
se odnose na izloženost pučanstva radiofrekvencijskim  
elektromagnetskim poljima, kada je puštena u rad  
(EN 50400:2006)  
Basic standard to demonstrate the compliance of fixed  
equipment for radio transmission (110 MHz - 40 GHz) intended  
for use in wireless telecommunication networks with the basic  
restrictions or the reference levels related to general public  
exposure to radio frequency electromagnetic fields, when put  
into service (EN 50400:2006)  
- zamijenjena s: HRN EN 62232:2018

HRN EN 50400:2007/A1:2013 en  
Osnovna norma za pokazivanje sukladnosti nepokretne  
opreme za radijsko odašiljanje (110 MHz - 40 GHz) namijenjene  
za uporabu u bežičnim telekomunikacijskim mrežama, s  
temeljnim ograničenjima ili referencijskim razinama koje  
se odnose na izloženost pučanstva radiofrekvencijskim  
elektromagnetskim poljima, kada je puštena u rad  
(EN 50400:2006/A1:2012)  
Basic standard to demonstrate the compliance of fixed  
equipment for radio transmission (110 MHz - 40 GHz) intended  
for use in wireless telecommunication networks with the basic  
restrictions or the reference levels related to general public  
exposure to radio frequency electromagnetic fields, when put  
into service (EN 50400:2006/A1:2012)  
- zamijenjena s: HRN EN 62232:2018

HRN EN 50400:2007/Ispr.1:2011 en  
Osnovna norma za pokazivanje sukladnosti nepokretne  
opreme za radijsko odašiljanje (110 MHz - 40 GHz) namijenjene  
za uporabu u bežičnim telekomunikacijskim mrežama, s  
temeljnim ograničenjima ili referencijskim razinama koje  
se odnose na izloženost pučanstva radiofrekvencijskim  
elektromagnetskim poljima, kada je puštena u rad  
(EN 50400:2006/AC:2011)  
Basic standard to demonstrate the compliance of fixed  
equipment for radio transmission (110 MHz - 40 GHz) intended  
for use in wireless telecommunication networks with the basic  
restrictions or the reference levels related to general public  
exposure to radio frequency electromagnetic fields, when put  
into service (EN 50400:2006/AC:2011)  
- zamijenjena s: HRN EN 62232:2018

### **HZN/TO Z1, Informacijska tehnologija**

HRN ISO/IEC 27006:2017 en  
Informacijska tehnologija – Sigurnosne tehnike – Zahtjevi  
za tijela koja provode audit i certifikaciju sustava upravljanja  
informacijskom sigurnošću (ISO/IEC 27006:2015)  
Information technology – Security techniques – Requirements  
for bodies providing audit and certification of information  
security management systems (ISO/IEC 27006:2015)  
- zamijenjena s: HRN EN ISO/IEC 27006:2020

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

HRN EN ISO 8130-9:2004 en  
Prašasti prekrivni materijali – 9. dio: Uzorkovanje  
(ISO 8130-9:1992; EN ISO 8130-9:1999)  
Coating powders – Part 9: Sampling (ISO 8130-9:1992;  
EN ISO 8130-9:1999)  
- zamijenjena s: HRN EN ISO 15528:2020

HRN EN 14105:2011 en  
Derivati masti i ulja – Metilni esteri masnih kiselina  
– Određivanje sadržaja slobodnog i ukupnog glicerola  
sadržaja mono-, di- i triglicerida (EN 14105:2011)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME)  
– Determination of free and total glycerol and mono-, di-,  
triglyceride contents (EN 14105:2011)  
- zamijenjena s: HRN EN 14105:2020

HRN EN 14112:2016 en  
Derivati masti i ulja – Metilni esteri masnih kiselina  
– Određivanje oksidativne stabilnosti (ubrznani test oksidacije)  
(EN 14112:2016)  
Fat and oil derivatives – Fatty Acid Methyl Esters (FAME)  
– Determination of oxidation stability (accelerated oxidation  
test) (EN 14112:2016)  
- zamijenjena s: HRN EN 14112:2020

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

HRN EN 15571:2015 en  
Strojevi i postrojenja za eksploataciju i obradu prirodnoga  
kamena – Sigurnost – Zahtjevi za strojeve za površinsku  
obradu (EN 15571:2014)  
Machines and plants for mining and tooling of natural stone  
– Safety – Requirements for surface finishing machines  
(EN 15571:2014)  
- zamijenjena s: HRN EN 15571:2020

HRN EN 16564:2015 en

Strojevi i postrojenja za eksploataciju i obradu prirodnoga kamena – Sigurnost – Zahtjevi za mosne pile/glodalice uključujući numerički upravljane alatne strojeve (NC/CNC) (EN 16564:2014)  
Machines and plants for mining and tooling of natural stone – Safety – Requirements for bridge type sawing/milling machines, included numerical control (NC/CNC) versions (EN 16564:2014)  
- zamijenjena s: HRN EN 16564:2020

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

HRN EN ISO 1942:2010 en,fr

Stomatologija – Terminološki rječnik (ISO 1942:2009, ispravljena verzija 2010-03-01; EN ISO 1942:2010)  
Dentistry – Vocabulary (ISO 1942:2009, Corrected version 2010-03-01; EN ISO 1942:2010)  
- zamijenjena s: HRN EN ISO 1942:2020

HRN EN ISO 10477:2018 en

Stomatologija – Materijali na bazi polimera za izradu krunica i ljuskica (ISO 10477:2018; EN ISO 10477:2018)  
Dentistry – Polymer-based crown and veneering materials (ISO 10477:2018; EN ISO 10477:2018)  
- zamijenjena s: HRN EN ISO 10477:2020

### HZN/TU U1, Opća elektrotehnika 1

HRN EN 61360-1:2013 en

Standardni tipni podatci s pripadajućom klasifikacijskom shemom za električne elemente – 1. dio: Definicije – Načela i metode (IEC 61360-1:2009; EN 61360-1:2010)  
Standard data elements types with associated classification scheme for electric items – Part 1: Definitions – Principles and methods (IEC 61360-1:2009; EN 61360-1:2010)  
- zamijenjena s: HRN EN 61360-1:2018

## 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 46, Bibliotekarstvo, dokumentacija i informacije

#### • umjesto

HRN ISO 12651-1:2014

**Elektroničko upravljanje** dokumentima – Terminološki rječnik – 1. dio: Digitalizacija dokumenata (ISO 12651-1:2012)  
Electronic document management – Vocabulary – Part 1: Electronic document imaging (ISO 12651-1:2012)

#### • treba biti

HRN ISO 12651-1:2014

**Upravljanje elektroničkim** dokumentima – Terminološki rječnik – 1. dio: Digitalizacija dokumenata (ISO 12651-1:2012)  
Electronic document management – Vocabulary – Part 1: Electronic document imaging (ISO 12651-1:2012)

### HZN/TO 503, Metalni materijali

#### • umjesto

HRN EN ISO 10113:2020

Metalni materijali – Lim i traka – Određivanje faktora plastične anizotropije (ISO 10113:2020; EN ISO 10113:2020)  
Metallic materials – Sheet and strip – Determination of plastic strain ratio (ISO 10113:2020; EN ISO 10113:2020)

#### • treba biti

HRN EN ISO 10113:2020

Metalni materijali – Lim i traka – Određivanje faktora plastične anizotropije (ISO 10113:2020, **ispravljena verzija 2020-11**; EN ISO 10113:2020)  
Metallic materials – Sheet and strip – Determination of plastic strain ratio (ISO 10113:2020, **Corrected version 2020-11**; EN ISO 10113:2020)

### HZN/TO 554, Obrada otpadnih voda

#### • umjesto

HRN EN 858-1:2002

Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin) – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kakvoće** (EN 858-1:2002)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002)

#### • treba biti

HRN EN 858-1:2002

Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin) – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kvalitete** (EN 858-1:2002)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002)

#### • umjesto

HRN EN 858-1:2002/A1:2008

Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin) – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kakvoće** (EN 858-1:2002/A1:2004)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002/A1:2004)

#### • treba biti

HRN EN 858-1:2002/A1:2008

Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin) – 1. dio: Pravila projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kvalitete** (EN 858-1:2002/A1:2004)  
Separator systems for light liquids (e.g. oil and petrol) – Part 1: Principles of product design, performance and testing, marking and quality control (EN 858-1:2002/A1:2004)

#### • umjesto

HRN EN 1825-1:2005

Separatori masnoća – 1. dio: Načela projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kakvoće** (EN 1825-1:2004)  
Grease separators – Part 1: Principles of design, performance and testing, marking and quality control (EN 1825-1:2004)

#### • treba biti

HRN EN 1825-1:2005

Separatori masnoća – 1. dio: Načela projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kvalitete** (EN 1825-1:2004)  
Grease separators – Part 1: Principles of design, performance and testing, marking and quality control (EN 1825-1:2004)

#### • umjesto

HRN EN 1825-1:2005/AC:2007

Separatori masnoća – 1. dio: Načela projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kakvoće** (EN 1825-1:2004/AC:2006)  
Grease separators – Part 1: Principles of design, performance and testing, marking and quality control (EN 1825-1:2004/AC:2006)

#### • treba biti

HRN EN 1825-1:2005/AC:2007

Separatori masnoća – 1. dio: Načela projektiranja, izvedbe i ispitivanja, označavanje i kontrola **kvalitete** (EN 1825-1:2004/AC:2006)  
Grease separators – Part 1: Principles of design, performance and testing, marking and quality control (EN 1825-1:2004/AC:2006)

#### • umjesto

HRN EN 13101:2007

**Stepenice** za pristup čovjeka u podzemne komore – Zahtjevi, označavanje, ispitivanje i procjena sukladnosti (EN 13101:2002)  
Steps for underground man entry chambers – Requirements, marking, testing and evaluation of conformity (EN 13101:2002)

#### • treba biti

HRN EN 13101:2007

**Penjalice** za pristup čovjeka u podzemne komore – Zahtjevi, označavanje, ispitivanje i procjena sukladnosti (EN 13101:2002)  
Steps for underground man entry chambers – Requirements, marking, testing and evaluation of conformity (EN 13101:2002)

## HZN/TO 556, *Osobna zaštitna oprema*

- **umjesto**

HRN EN ISO 22568-1:2019

Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za sastavne dijelove obuće – 1. dio: Metalne kapice (ISO 22568-1:2019; EN ISO 22568-1:2019)  
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps (ISO 22568-1:2019; EN ISO 22568-1:2019)

- **treba biti**

HRN EN ISO 22568-1:2019

Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za sastavne dijelove obuće – 1. dio: Metalne kapice (ISO 22568-1:2019, **ispravljena verzija 2020-11**; EN ISO 22568-1:2019)  
Foot and leg protectors – Requirements and test methods for footwear components – Part 1: Metallic toecaps (ISO 22568-1:2019, **Corrected version 2020-11**; EN ISO 22568-1:2019)

## HZN/TO E106, *Elektromagnetska polja u ljudskome okolišu*

- **umjesto**

HRN EN 50364:2012

Ograničenje izloženosti ljudi elektromagnetskim poljima uređaja koji rade u frekvencijskom rasponu od 0 Hz do **10** GHz, a koriste se u elektroničkom nadzoru proizvoda (EAS), radiofrekvencijskom prepoznavanju (RFID) i sličnim primjenama (EN 50364:2010)  
Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications (EN 50364:2010)

- **treba biti**

HRN EN 50364:2012

Ograničenje izloženosti ljudi elektromagnetskim poljima uređaja koji rade u frekvencijskom rasponu od 0 Hz do **300** GHz, a koriste se u elektroničkom nadzoru proizvoda (EAS), radiofrekvencijskom prepoznavanju (RFID) i sličnim primjenama (EN 50364:2010)  
Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications (EN 50364:2010)

## 1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

### HZN/ TU V1, *Elektronika 1*

HRN EN 60603-7:2010 en pr

Konektori za elektroničku opremu – 7. dio: Detaljne specifikacije za 8-smjerne, neoklopljene, slobodne i fiksne konektore (IEC 60603-7:2008; EN 60603-7:2009)  
Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2008; EN 60603-7:2009)

HRN EN 60603-7:2010/A1:2012 en pr

Konektori za elektroničku opremu – 7. dio: Detaljne specifikacije za 8-smjerne, neoklopljene, slobodne i fiksne konektore (IEC 60603-7:2008/am1:2011; EN 60603-7:2009/A1:2011)  
Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors (IEC 60603-7:2008/am1:2011; EN 60603-7:2009/A1:2011)

HRN EN IEC 61837-2:2018 en pr

Površinski ugrađeni piezoelektrični elementi za regulaciju i odabir frekvencije – Standardne dimenzije i priključni spojevi – 2. dio: Keramička kućišta (IEC 61837-2:2018; EN IEC 61837-2:2018)  
Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures (IEC 61837-2:2018; EN IEC 61837-2:2018)



## 2 Rezultati međunarodne i europske normizacije

### Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 378-1+A1	Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria	01.040.27; 27.080; 27.200	2020-10
EN 378-3+A1	Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site and personal protection	27.080; 27.200	2020-10
EN 993-10	Methods of test for dense shaped refractory products – Part 10: Determination of permanent change in dimensions on heating	81.080	2020-10
EN 1871	Road marking materials – Paint, thermoplastic and cold plastic materials – Physical properties	93.080.20	2020-10
EN 6057	Aerospace series – Rod-end with bearing EN 4265 in corrosion resisting steel, internal threaded shank – Dimensions and loads, Inch series	49.035	2020-10
EN 12312-7	Aircraft ground support equipment – Specific requirements – Part 7: Aircraft movement equipment	49.100	2020-10
EN 12569	Industrial valves – Valves for chemical and petrochemical process industry – Requirements and tests	23.060.01	2020-10
EN 12999	Cranes – Loader cranes	53.020.20	2020-10
EN 13141-5	Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 5: Cowls, assisted cowls and roof outlet terminal devices	91.140.30	2020-10
EN 13274-4	Respiratory protective devices – Methods of test – Part 4: Flame test	13.220.40; 13.340.30	2020-10
EN 13623	Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems – Test method and requirements (phase 2, step 1)	71.100.35	2020-10
EN 14038-2	Electrochemical realkalization and chloride extraction treatments for reinforced concrete – Part 2: Chloride extraction	91.100.30	2020-10
EN 15004-2	Fixed firefighting systems – Gas extinguishing systems – Part 2: Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant (ISO 14520-5:2019, modified)	13.220.20	2020-10
EN 15004-4	Fixed firefighting systems – Gas extinguishing systems – Part 4: Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant (ISO 14520-8:2019, modified)	13.220.20	2020-10
EN 15004-5	Fixed firefighting systems – Gas extinguishing systems – Part 5: Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant (ISO 14520-9:2019, modified)	13.220.20	2020-10
EN 15004-6	Fixed firefighting systems – Gas extinguishing systems – Part 6: Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant (ISO 14520-10:2019, modified)	13.220.20	2020-10
EN 15009	Aerosol containers – Compartmented aerosol dispensers	55.130	2020-10
EN 15085-2	Railway applications – Welding of railway vehicles and components – Part 2: Requirements for welding manufacturer	25.160.01; 45.060.01	2020-10
EN 15948	Cereals – Determination of moisture and protein – Method using Near-Infrared Spectroscopy in whole kernels	67.060	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 17045	Materials obtained from end-of-life tyres – Quality criteria for the selection of whole tyres, for recovery and recycling processes	13.030.50; 83.160.01	2020-10
CEN/TR 17086	Further guidance on the application of EN 13791:2019 and background to the provisions	91.080.40	2020-10
EN 17128	Light motorized vehicles for the transportation of persons and goods and related facilities and not subject to type-approval for on-road use – Personal light electric vehicles (PLEV) – Requirements and test methods	43.120	2020-10
EN 17140	Thermal insulation products for buildings – Factory-made vacuum insulation panels (VIP) – Specification	91.100.60	2020-10
EN 17282	Railway applications – Infrastructure – Under ballast mats	93.100	2020-10
EN 17394-2	Textiles and textile products – Part 2: Safety of children's clothing – Security of attachment of buttons – Test method	61.020; 97.190	2020-10
CEN/TS 17510	Materials obtained from end-of-life tyres – Determination of the specific surface area of powders – Method based on krypton adsorption	13.030.50; 83.160.01	2020-10
CEN/TS 17523	Postal services – Packaging for boxable items – Characteristics for packaging of small and light weight items to be delivered into the consumer's letterbox	03.240; 55.040	2020-10
CEN/TR 17546	Electronic fee collection – EETS gap analysis and proposed standards roadmap	35.240.60	2020-10
EN ISO 473	Lithopone pigments – General requirements and methods of testing (ISO 473:2019)	87.060.10	2020-10
EN ISO 787-28	General methods of tests for pigments and extenders – Part 28: Determination of total content of polychlorinated biphenyls (PCB) by dissolution, cleanup and GC-MS (ISO 787-28:2019)	87.060.10	2020-10
EN ISO 1833-12	Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide) (ISO 1833-12:2020)	59.060.01	2020-10
EN ISO 1833-18	Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid) (ISO 1833-18:2020)	59.060.01	2020-10
EN ISO 1833-26	Textiles – Quantitative chemical analysis – Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid) (ISO 1833-26:2020)	59.060.01	2020-10
EN ISO 5079	Textile fibres – Determination of breaking force and elongation at break of individual fibres (ISO 5079:2020)	59.060.01	2020-10
EN ISO 6887-3/A1	Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 3: Specific rules for the preparation of fish and fishery products – Amendment 1: Sample preparation for raw marine gastropods (ISO 6887-3:2017/Amd 1:2020)	07.100.30	2020-10
EN ISO 7010/A1	Graphical symbols – Safety colours and safety signs – Registered safety signs – Amendment 1 (ISO 7010:2019/Amd 1:2020)	01.080.10; 01.080.20	2020-10
EN ISO 7438	Metallic materials – Bend test (ISO 7438:2020)	77.040.10	2020-10
EN ISO 8501-4	Preparation of steel substrates before application of paints and related products – Visual assessment of surface cleanliness – Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with water jetting (ISO 8501-4:2020)	25.220.10	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 8836	Suction catheters for use in the respiratory tract (ISO 8836:2019)	11.040.10; 11.040.25	2020-10
EN ISO 9053-2	Acoustics – Determination of airflow resistance – Part 2: Alternating airflow method (ISO 9053-2:2020)	91.100.60	2020-10
EN ISO 9453	Soft solder alloys – Chemical compositions and forms (ISO 9453:2020)	25.160.50	2020-10
EN ISO 9455-5	Soft soldering fluxes – Test methods – Part 5: Copper mirror test (ISO 9455-5:2020)	25.160.50	2020-10
EN ISO 10298	Gas cylinders – Gases and gas mixtures – Determination of toxicity for the selection of cylinder valve outlets (ISO 10298:2018)	71.100.20	2020-10
EN ISO 10848-5	Acoustics – Laboratory and field measurement of the flanking transmission for airborne, impact and building service equipment sound between adjoining rooms – Part 5: Radiation efficiencies of building elements (ISO 10848-5:2020)	91.120.20	2020-10
EN ISO 11063	Soil quality – Direct extraction of soil DNA (ISO 11063:2020)	13.080.30	2020-10
EN ISO 11127-4	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 4: Assessment of hardness by a glass slide test (ISO 11127-4:2020)	25.220.10	2020-10
EN ISO 11591	Small craft – Field of vision from the steering position (ISO 11591:2020)	47.080	2020-10
EN ISO 11755	Gas cylinders – Cylinder bundles for compressed and liquefied gases (excluding acetylene) – Inspection at time of filling (ISO 11755:2005)	23.020.35	2020-10
EN ISO 11978/A1	Ophthalmic optics – Contact lenses and contact lens care products – Labelling – Amendment 1 (ISO 11978:2017/Amd 1:2020)	11.040.70	2020-10
EN ISO 11979-5	Ophthalmic implants – Intraocular lenses – Part 5: Biocompatibility (ISO 11979-5:2020)	11.040.70	2020-10
EN ISO 12402-7	Personal flotation devices – Part 7: Materials and components – Safety requirements and test methods (ISO 12402-7:2020)	13.340.70	2020-10
EN ISO 12402-10	Personal flotation devices – Part 10: Selection and application of personal flotation devices and other relevant devices (ISO 12402-10:2020)	13.340.70	2020-10
EN ISO 12460-3	Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method (ISO 12460-3:2020)	79.060.01	2020-10
EN ISO 13338	Gas cylinders – Gases and gas mixtures – Determination of tissue corrosiveness for the selection of cylinder valve outlets (ISO 13338:2017)	71.100.20	2020-10
EN ISO 14040/A1	Environmental management – Life cycle assessment – Principles and framework – Amendment 1 (ISO 14040:2006/Amd 1:2020)	13.020.10; 13.020.60	2020-10
EN ISO 14044/A2	Environmental management – Life cycle assessment – Requirements and guidelines – Amendment 2 (ISO 14044:2006/Amd 2:2020)	13.020.10; 13.020.60	2020-10
EN ISO 16486-2	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 2: Pipes (ISO 16486-2:2020)	75.200; 83.140.30	2020-10
CEN ISO/TS 16791	Health informatics – Requirements for international machine-readable coding of medicinal product package identifiers (ISO/TS 16791:2020)	35.240.80	2020-10
EN ISO 17730	Dentistry – Fluoride varnishes (ISO 17730:2020)	97.170	2020-10



Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 18796-1	Petroleum, petrochemicals and natural gas industries – Internal coating and lining of carbon steel process vessels – Part 1: Technical requirements (ISO 18796-1:2018)	75.180.20	2020-10
CEN ISO/TS 19321	Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures (ISO/TS 19321:2020)	35.240.60; 43.040.15	2020-10
CEN ISO/TR 19402	Paints and varnishes – Adhesion of coatings (ISO/TR 19402:2018)	87.040	2020-10
CEN ISO/TR 21555	Paints and varnishes – Overview of test methods on hardness and wear resistance of coatings (ISO/TR 21555:2019)	87.040	2020-10
EN ISO 21976	Packaging – Tamper verification features for medicinal product packaging (ISO 21976:2018)	11.120.99; 55.020	2020-10
EN ISO 22232-3	Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 3: Combined equipment (ISO 22232-3:2020)	19.100	2020-10
EN ISO 23402-1	Dentistry – Portable dental equipment for use in non-permanent healthcare environment – Part 1: General requirements (ISO 23402-1:2020)	11.060.20	2020-10
EN ISO 24264	Footwear – Test methods for hollow and compact heels and top pieces – Top piece attachment strength (ISO 24264:2020)	61.060	2020-10
EN ISO 24265	Footwear – Test methods for uppers – Resistance to rubbing using a rubber strip (ISO 24265:2020)	61.060	2020-10
EN ISO 26000	Guidance on social responsibility (ISO 26000:2010)	03.100.02	2020-10
EN ISO 35104	Petroleum and natural gas industries – Arctic operations – Ice management (ISO 35104:2018)	75.020	2020-10
EN ISO/ASTM 52903-2	Additive manufacturing – Material extrusion based additive manufacturing of plastic materials – Part 2: Process equipment (ISO/ASTM 52903-2:2020)	25.030	2020-10
CEN ISO/TR 56004	Innovation Management Assessment – Guidance (ISO/TR 56004:2019)	03.100.01; 03.100.40	2020-10
EN ISO 80000-3	Quantities and units – Part 3: Space and time (ISO 80000-3:2019)	01.060	2020-10
EN ISO 80000-11	Quantities and units – Part 11: Characteristic numbers (ISO 80000-11:2019)	01.060	2020-10
CEN/TR ISO/ASTM 52912	Additive manufacturing – Design – Functionally graded additive manufacturing (ISO/ASTM/TR 52912:2020)	25.030	2020-10

## Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN-CENELEC Guide 23	Research Consortium Bridge – Addressing Research and Innovation in European Standardization Activities and Deliverables	01.120	2020-10
CEN-CENELEC Guide 29	CEN/CENELEC Workshop Agreements – A rapid way to standardization	01.120	2020-10
EN 50520	Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations	29.120.10	2020-10
EN 50546	Railway applications – Rolling Stock – Three-phase shore (external) supply system for rail vehicles and its connectors	29.120.30; 29.280; 45.060.01	2020-10
EN 60034-18-42/A1	Rotating electrical machines – Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters – Qualification tests (IEC 60034-18-42:2017/A1:2020)	29.080.30; 29.160.01	2020-10
EN 60268-7/A1	Sound system equipment – Part 7: Headphones and earphones (IEC 60268-7:2010/A1:2020)	33.160.50	2020-10
EN IEC 60332-3-10/A11	Tests on electric and optical fibre cables under fire conditions – Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables – Apparatus	13.220.40; 29.020; 29.060.20; 33.180.10	2020-10
EN 60335-2-5/A1	Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers (IEC 60335-2-5:2012/A1:2018)	13.120; 97.040.40	2020-10
EN IEC 60335-2-43	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (IEC 60335-2-43:2017)	13.120; 97.060	2020-10
EN IEC 60335-2-43/A11	Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails	13.120; 97.060	2020-10
EN IEC 60601-2-20	Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:2020)	11.040.10	2020-10
EN IEC 60601-2-22	Medical electrical equipment – Part 2-22: Particular requirements for basic safety and essential performance of surgical, cosmetic, therapeutic and diagnostic laser equipment (IEC 60601-2-22:2019)	11.040.01; 11.040.55; 11.040.60; 31.260	2020-10
EN IEC 60749-20	Semiconductor devices – Mechanical and climatic test methods – Part 20: Resistance of plastic encapsulated SMDs to the combined effect of moisture and soldering heat (IEC 60749-20:2020)	31.080.01	2020-10
EN IEC 60904-4/AC	Photovoltaic devices – Part 4: Reference solar devices – Procedures for establishing calibration traceability (IEC 60904-4:2019/COR1:2020)	27.160	2020-10
EN IEC 61000-4-3	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2020)	33.100.20	2020-10
EN IEC 61076-2-114	Connectors for electrical and electronic equipment – Product requirements – Part 2-114: Circular connectors – Detail specification for connectors with M8 screw-locking with power contacts and signal contacts for data transmission up to 100 MHz (IEC 61076-2-114:2020)	31.220.10	2020-10
EN IEC 61290-1-1	Optical amplifiers – Test methods – Part 1-1: Power and gain parameters – Optical spectrum analyzer method (IEC 61290-1-1:2020)	33.180.30	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61300-2-56	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-56: Tests – Wind resistance of mounted housing (IEC 61300-2-56:2020)	33.180.20	2020-10
EN IEC 61753-071-02	Fibre optic interconnecting devices and passive components – Performance standard – Part 071-02: Non-connectorized single- mode fibre optic 1 × 2 and 2 × 2 spatial switches for category C – Controlled environments (IEC 61753-071-02:2020)	33.180.20	2020-10
EN 61850-7-1/A1	Communication networks and systems for power utility automation – Part 7-1: Basic communication structure – Principles and models (IEC 61850-7-1:2011/A1:2020)	33.040.40; 33.200	2020-10
EN IEC 62271-104	High-voltage switchgear and controlgear – Part 104: Alternating current switches for rated voltages higher than 52 kV (IEC 62271-104:2020)	29.130.10	2020-10
EN IEC 62793	Thunderstorm warning systems – Protection against lightning (IEC 62793:2020)	07.060; 29.020; 91.120.40	2020-10
EN IEC 62841-2-6	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (IEC 62841-2-6:2020)	25.140.20	2020-10
EN IEC 62841-2-6/A11	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers	25.140.20	2020-10



## Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 100392-12-22 V 1.5.1	Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D) – Part 12: Supplementary services stage 3 – Sub-part 22: Dynamic Group Number Assignment (DGNA)	33.070.10	2020-10
ETSI TS 101331 V 1.6.1	Lawful Interception (LI) – Requirements of Law Enforcement Agencies	33.040.35	2020-10
ETSI TS 102232-5 V 3.13.1	Lawful Interception (LI) – Handover Interface and Service-Specific Details (SSD) for IP delivery – Part 5: Service-specific details for IP Multimedia services	33.040.35	2020-10
ETSI TS 103097 V 1.4.1	Intelligent Transport Systems (ITS) – Security – Security header and certificate formats	35.240.60	2020-10
ETSI TS 103120 V 1.7.1	Lawful Interception (LI) – Interface for warrant information	33.040.35	2020-10
ETSI TS 103246-1 V 1.3.1	Satellite Earth Stations and Systems (SES) – GNSS based location systems – Part 1: Functional requirements	33.070.40	2020-10
ETSI TS 103246-2 V 1.3.1	Satellite Earth Stations and Systems (SES) – GNSS based location systems – Part 2: Reference Architecture	33.070.40	2020-10
ETSI TS 103246-3 V 1.3.1	Satellite Earth Stations and Systems (SES) – GNSS based location systems – Part 3: Performance requirements	33.070.40	2020-10
ETSI TS 103246-4 V 1.3.1	Satellite Earth Stations and Systems (SES) – GNSS based location systems – Part 4: Requirements for location data exchange protocols	33.070.40	2020-10
ETSI TS 103246-5 V 1.3.1	Satellite Earth Stations and Systems (SES) – GNSS based location systems – Part 5: Performance Test Specification	33.070.40	2020-10
ETSI TS 103389 V 3.3.1	Rail Telecommunications (RT) – Global System for Mobile communications (GSM) – Usage of Session Initiation Protocol (SIP) on the Network Switching Subsystem (NSS) to Fixed Terminal Subsystem (FTS) interface for GSM Operation on Railways	33.070.50	2020-10
ETSI TR 103435 V 1.2.1	System Reference document (SRdoc) – Short Range Devices (SRD) – Technical characteristics for Ultra Narrow Band (UNB) SRDs operating in the UHF spectrum below 1 GHz	33.100.10	2020-10
ETSI TR 103460 V 2.1.1	Intelligent Transport Systems (ITS) – Security – Pre-standardization study on Misbehavior Detection – Release 2	35.240.60	2020-10
ETSI TS 103461 V 1.2.2	Digital Audio Broadcasting (DAB) – Domestic and in-vehicle digital radio receivers – Minimum requirements and Test specifications for technologies and products	33.170	2020-10
ETSI TR 103496 V 2.1.1	Intelligent Transport Systems (ITS) – Cooperative ITS (C-ITS) support for transport pollution management applications – Use cases and standardization study – Release 2	35.240.60	2020-10
ETSI TR 103554-1 V 1.3.1	Rail Telecommunications (RT) – Next Generation Communication System – Radio performance simulations and evaluations in rail environment – Part 1: Long Term Evolution (LTE)	33.070.50	2020-10
ETSI TS 103572 V 1.2.1	HDR Signalling and Carriage of Dynamic Metadata for Colour Volume Transform – Application #1	33.170	2020-10
ETSI TS 103601 V 1.1.1	Intelligent Transport Systems (ITS) – Security – Security management messages communication requirements and distribution protocols	35.240.60	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 103634 V 1.2.1	Digital Enhanced Cordless Telecommunications (DECT) – Low Complexity Communication Codec plus (LC3plus)	33.070.30	2020-10
ETSI TS 103666-1 V 15.4.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2020-10
ETSI TS 103666-1 V 16.0.1	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 16)	35.240.15	2020-10
ETSI TR 103711 V 1.1.1	Smart Body Area Network (SmartBAN) – Applying SmartBAN MAC (ETSI TS 103325) for various use-cases	33.040.40; 35.110	2020-10
ETSI TR 103712 V 1.1.1	Fixed Radio Systems – New PtMP technologies and solutions for microwave backhaul in 5G era	33.060.30	2020-10
ETSI TS 103713 V 15.3.0	Smart Secure Platform (SSP) – SPI interface (Release 15)	35.240.15	2020-10
ETSI TS 103718 V 1.1.1	CYBER – External encodings for the Advanced Encryption Standard	33.040.99; 35.030	2020-10
ETSI TS 119432 V 1.2.1	Electronic Signatures and Infrastructures (ESI) – Protocols for remote digital signature creation	33.040.01	2020-10
ETSI TS 119512 V 1.1.2	Electronic Signatures and Infrastructures (ESI) – Protocols for trust service providers providing long-term data preservation services	33.040.01	2020-10
ETSI TS 123003 V 15.10.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 15.10.0 Release 15)	33.070.50	2020-10
ETSI TS 123003 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 16.4.0 Release 16)	33.070.50	2020-10
ETSI TS 123122 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 16.7.0 Release 16)	33.070.50	2020-10
ETSI TS 123214 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for control and user plane separation of EPC nodes (3GPP TS 23.214 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 123222 V 16.9.0	LTE – 5G – Common API Framework for 3GPP Northbound APIs (3GPP TS 23.222 version 16.9.0 Release 16)	33.070.99	2020-10
ETSI TS 123228 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 123282 V 16.7.0	LTE – Functional architecture and information flows to support Mission Critical Data (MCDData) – Stage 2 (3GPP TS 23.282 version 16.7.0 Release 16)	33.070.99	2020-10
ETSI TS 123283 V 16.5.0	LTE – Mission Critical Communication Interworking with Land Mobile Radio Systems (3GPP TS 23.283 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 123285 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements for V2X services (3GPP TS 23.285 version 16.4.0 Release 16)	33.070.50	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123286 V 16.4.0	LTE – Application layer support for Vehicle-to-Everything (V2X) services – Functional architecture and information flows (3GPP TS 23.286 version 16.4.0 Release 16)	33.070.99	2020-10
ETSI TS 123287 V 16.4.0	5G – Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 16.4.0 Release 16)	33.070.50	2020-10
ETSI TS 123288 V 16.5.0	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 123316 V 16.5.0	5G – Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 123401 V 15.12.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 15.12.0 Release 15)	33.070.50	2020-10
ETSI TS 123401 V 16.8.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.8.0 Release 16)	33.070.50	2020-10
ETSI TS 123434 V 16.5.0	5G – Service Enabler Architecture Layer for Verticals (SEAL) – Functional architecture and information flows (3GPP TS 23.434 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 123501 V 15.11.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 15.11.0 Release 15)	33.070.50	2020-10
ETSI TS 123501 V 16.6.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 123502 V 15.11.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.11.0 Release 15)	33.070.50	2020-10
ETSI TS 123502 V 16.6.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 123503 V 16.6.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 123527 V 16.4.0	5G – 5G System – Restoration procedures (3GPP TS 23.527 version 16.4.0 Release 16)	33.070.99	2020-10
ETSI TS 123632 V 16.3.0	LTE – 5G – User data interworking, coexistence and migration – Stage 2 (3GPP TS 23.632 version 16.3.0 Release 16)	33.070.99	2020-10
ETSI TS 123682 V 16.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Architecture enhancements to facilitate communications with packet data networks and applications (3GPP TS 23.682 version 16.8.0 Release 16)	33.070.50	2020-10
ETSI TS 124007 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface signalling layer 3 – General Aspects (3GPP TS 24.007 version 16.4.0 Release 16)	33.070.50	2020-10
ETSI TS 124008 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface Layer 3 specification – Core network protocols – Stage 3 (3GPP TS 24.008 version 15.9.0 Release 15)	33.070.50	2020-10



Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124008 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface Layer 3 specification – Core network protocols – Stage 3 (3GPP TS 24.008 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 124080 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface layer 3 supplementary services specification – Formats and coding (3GPP TS 24.080 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 124183 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 124193 V 16.1.0	5G – 5G System – Access Traffic Steering, Switching and Splitting (ATSSS) – Stage 3 (3GPP TS 24.193 version 16.1.0 Release 16)	33.070.99	2020-10
ETSI TS 124229 V 12.24.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 12.24.0 Release 12)	33.070.50	2020-10
ETSI TS 124229 V 13.18.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 13.18.0 Release 13)	33.070.50	2020-10
ETSI TS 124229 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.11.0 Release 15)	33.070.50	2020-10
ETSI TS 124229 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.7.0 Release 16)	33.070.50	2020-10
ETSI TS 124250 V 16.3.0	LTE – Protocol for Reliable Data Service – Stage 3 (3GPP TS 24.250 version 16.3.0 Release 16)	33.070.99	2020-10
ETSI TS 124282 V 16.5.0	LTE – Mission Critical Data (MCData) signalling control – Protocol specification (3GPP TS 24.282 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 124301 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 124368 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access Stratum (NAS) configuration Management Object (MO) (3GPP TS 24.368 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 124379 V 13.16.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 13.16.0 Release 13)	33.070.99	2020-10
ETSI TS 124379 V 16.6.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 16.6.0 Release 16)	33.070.99	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124380 V 13.12.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.12.0 Release 13)	33.070.99	2020-10
ETSI TS 124380 V 14.10.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 14.10.0 Release 14)	33.070.99	2020-10
ETSI TS 124380 V 15.7.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 15.7.0 Release 15)	33.070.99	2020-10
ETSI TS 124380 V 16.6.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 16.6.0 Release 16)	33.070.99	2020-10
ETSI TS 124385 V 16.2.0	LTE – V2X services Management Object (MO) (3GPP TS 24.385 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 124386 V 16.1.0	LTE – User Equipment (UE) to V2X control function – protocol aspects – Stage 3 (3GPP TS 24.386 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 124483 V 16.5.0	LTE – Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 124484 V 14.9.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 14.9.0 Release 14)	33.070.99	2020-10
ETSI TS 124484 V 15.7.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 15.7.0 Release 15)	33.070.99	2020-10
ETSI TS 124484 V 16.7.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 16.7.0 Release 16)	33.070.99	2020-10
ETSI TS 124486 V 16.1.0	LTE – 5G – Vehicle-to-Everything (V2X) Application Enabler (VAE) layer – Protocol aspects – Stage 3 (3GPP TS 24.486 version 16.1.0 Release 16)	33.070.99	2020-10
ETSI TS 124501 V 16.6.0	5G – Non-Access-Stratum (NAS) protocol for 5G System (5GS) – Stage 3 (3GPP TS 24.501 version 16.6.0 Release 16)	33.070.99	2020-10
ETSI TS 124502 V 16.5.0	5G – Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 124519 V 16.2.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 124526 V 16.5.0	5G – User Equipment (UE) policies for 5G System (5GS) – Stage 3 (3GPP TS 24.526 version 16.5.0 Release 16)	33.070.99	2020-10
ETSI TS 124544 V 16.2.0	5G – Group Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.544 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 124545 V 16.2.0	5G – Location Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.545 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 124546 V 16.2.0	5G – Configuration management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.546 version 16.2.0 Release 16)	33.070.99	2020-10

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ETSI TS 124547 V 16.2.0	5G – Identity management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.547 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 124581 V 14.7.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 14.7.0 Release 14)	33.070.99	2020-10
ETSI TS 124581 V 15.6.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 15.6.0 Release 15)	33.070.99	2020-10
ETSI TS 124581 V 16.6.0	LTE – Mission Critical Video (MCVideo) media plane control – Protocol specification (3GPP TS 24.581 version 16.6.0 Release 16)	33.070.99	2020-10
ETSI TS 124582 V 16.2.0	LTE – Mission Critical Data (MCDATA) media plane control – Protocol specification (3GPP TS 24.582 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 124587 V 16.2.1	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.2.1 Release 16)	33.070.99	2020-10
ETSI TS 124588 V 16.2.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – User Equipment (UE) policies – Stage 3 (3GPP TS 24.588 version 16.2.0 Release 16)	33.070.99	2020-10
ETSI TS 126114 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 16.7.0 Release 16)	33.070.50	2020-10
ETSI TS 126116 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Television (TV) over 3GPP services – Video profiles (3GPP TS 26.116 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 126140 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia Messaging Service (MMS) – Media formats and codecs (3GPP TS 26.140 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 126223 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telepresence using the IP Multimedia Subsystem (IMS) – Media handling and interaction (3GPP TS 26.223 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 126234 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Protocols and codecs (3GPP TS 26.234 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 126244 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Transparent end-to-end packet switched streaming service (PSS) – 3GPP file format (3GP) (3GPP TS 26.244 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 126247 V 16.4.1	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Progressive Download and Dynamic Adaptive Streaming over HTTP (3GP-DASH) (3GPP TS 26.247 version 16.4.1 Release 16)	33.070.50	2020-10
ETSI TS 126346 V 15.5.2	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 15.5.2 Release 15)	33.070.50	2020-10
ETSI TS 126346 V 16.6.1	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 16.6.1 Release 16)	33.070.50	2020-10



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ETSI TS 126445 V 12.14.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Detailed algorithmic description (3GPP TS 26.445 version 12.14.0 Release 12)	33.070.50	2020-10
ETSI TS 126501 V 16.5.0	5G – 5G Media Streaming (5GMS) – General description and architecture (3GPP TS 26.501 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 126511 V 16.1.0	5G – 5G Media Streaming (5GMS) – Profiles, codecs and formats (3GPP TS 26.511 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 127007 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.6.0 Release 16)	33.070.50	2020-10
ETSI TS 128201 V 16.0.0	5G – Charging management – Network slice performance and analytics charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.201 version 16.0.0 Release 16)	33.070.50	2020-10
ETSI TS 128202 V 16.0.0	5G – Charging management – Network slice management charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.202 version 16.0.0 Release 16)	33.070.50	2020-10
ETSI TS 128309 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Management of Quality of Experience (QoE) measurement collection Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.309 version 16.0.0 Release 16)	33.070.50	2020-10
ETSI TS 128310 V 16.2.0	5G – LTE – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.2.0 Release 16)	33.070.50	2020-10
ETSI TS 128313 V 16.0.0	5G – Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 16.0.0 Release 16)	33.070.50	2020-10
ETSI TS 128530 V 16.3.0	5G – Management and orchestration – Concepts, use cases and requirements (3GPP TS 28.530 version 16.3.0 Release 16)	33.070.50	2020-10
ETSI TS 128531 V 15.7.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 15.7.0 Release 15)	33.070.50	2020-10
ETSI TS 128531 V 16.7.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 16.7.0 Release 16)	33.070.50	2020-10
ETSI TS 128532 V 15.7.0	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 15.7.0 Release 15)	33.070.50	2020-10
ETSI TS 128532 V 16.5.1	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.5.1 Release 16)	33.070.50	2020-10
ETSI TS 131124 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 15.9.0 Release 15)	33.070.50	2020-10
ETSI TS 131124 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 133513 V 16.1.0	5G – 5G Security Assurance Specification (SCAS) – User Plane Function (UPF) (3GPP TS 33.513 version 16.1.0 Release 16)	33.070.50	2020-10

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ETSI TS 133516 V 16.1.0	5G – 5G Security Assurance Specification (SCAS) for the Authentication Server Function (AUSF) network product class (3GPP TS 33.516 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 133517 V 16.1.0	5G – 5G Security Assurance Specification (SCAS) for the Security Edge Protection Proxy (SEPP) network product class (3GPP TS 33.517 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TS 133519 V 16.1.0	5G – 5G Security Assurance Specification (SCAS) for the Network Exposure Function (NEF) network product class (3GPP TS 33.519 version 16.1.0 Release 16)	33.070.50	2020-10
ETSI TR 133926 V 16.3.0	LTE – Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes (3GPP TR 33.926 version 16.3.0 Release 16)	33.070.50	2020-10
ETSI TS 136523-1 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 16.5.0 Release 16)	33.070.50	2020-10
ETSI TS 138508-1 V 16.4.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Common test environment (3GPP TS 38.508-1 version 16.4.0 Release 16)	33.070.99	2020-10
ETSI TS 138521-2 V 16.4.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Range 2 standalone (3GPP TS 38.521-2 version 16.4.0 Release 16)	33.070.99	2020-10
ETSI TS 138523-1 V 16.4.0	5G – 5GS – User Equipment (UE) conformance specification – Part 1: Protocol (3GPP TS 38.523-1 version 16.4.0 Release 16)	33.070.99	2020-10
ETSI ES 203228 V 1.3.1	Environmental Engineering (EE) – Assessment of mobile network energy efficiency	33.040.01	2020-10
ETSI GR IP6 030 V 1.1.1	IPv6-based Vehicular Networking (V2X)	35.240.50; 35.240.95	2020-10
ETSI GR MEC 031 V 2.1.1	Multi-access Edge Computing (MEC) MEC 5G Integration	33.070.99; 35.110	2020-10
ETSI GS MEC 009 V 2.2.1	Multi-access Edge Computing (MEC) – General principles, patterns and common aspects of MEC Service APIs	33.070.99	2020-10
ETSI GS NFV-SOL 012 V 3.4.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – RESTful protocols specification for the Policy Management Interface	35.110	2020-10
EN 300019-2-3 V 2.5.1	Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2-3: Specification of environmental tests – Stationary use at weatherprotected locations	33.050.01	2020-10
EN 301489-22 V 2.1.1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 22: Specific conditions for ground based aeronautical mobile and fixed radio equipment – Harmonised Standard for ElectroMagnetic Compatibility	33.100.10	2020-10
EN 302609 V 2.2.1	Short Range Devices (SRD) – Radio equipment for Euroloop communication systems – Harmonised Standard for access to radio spectrum	33.060.20	2020-10
EN 302890-2 V 2.1.1	Intelligent Transport Systems (ITS) – Facilities Layer function – Part 2: Position and Time management (PoTi) – Release 2	35.240.60	2020-10

## Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 525	Bonded abrasive products – Shape types, designation and marking	25.100.70	2020-10
ISO 1013	Coke – Determination of bulk density in a large container	75.160.10	2020-10
ISO 1382	Rubber – Vocabulary	01.040.83; 83.060	2020-10
ISO 1833-12	Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastane fibres with certain other fibres (method using dimethylformamide)	59.060.01	2020-10
ISO 1833-18	Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid)	59.060.01	2020-10
ISO 1833-26	Textiles – Quantitative chemical analysis – Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid)	59.060.01	2020-10
ISO 1928	Coal and coke – Determination of gross calorific value	75.160.10	2020-10
ISO 1942	Dentistry – Vocabulary	01.040.11; 11.060.01	2020-10
ISO 2385	Packed cork – Virgin cork, raw reproduction cork, burnt cork, boiled reproduction cork and raw cork waste – Sampling to determine moisture content	79.100	2020-10
ISO 3297	Information and documentation – International standard serial number (ISSN)	01.140.20	2020-10
ISO 3767-1 AMD 1	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 1: Common symbols; Amendment 1	01.080.20; 65.060.01	2020-10
ISO 3767-2 AMD 1	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment – Symbols for operator controls and other displays – Part 2: Symbols for agricultural tractors and machinery; Amendment 1	01.080.20; 65.060.01	2020-10
ISO 4223-2 AMD 1	Definitions of some terms used in the tyre industry – Part 2: Solid tyres; Amendment 1	01.040.83; 83.160.01	2020-10
ISO 4306-4	Cranes – Vocabulary – Part 4: Jib cranes	01.040.53; 53.020.20	2020-10
ISO 5079	Textile fibres – Determination of breaking force and elongation at break of individual fibres	59.060.01	2020-10
ISO 5151 AMD 1	Non-ducted air conditioners and heat pumps – Testing and rating for performance; Amendment 1	23.120; 27.080	2020-10
ISO 7438	Metallic materials – Bend test	77.040.10	2020-10
ISO 8405	Tools for moulding – Ejector sleeves with cylindrical head – Basic series for general purposes	25.120.30	2020-10
ISO 8501-4	Preparation of steel substrates before application of paints and related products – Visual assessment of surface cleanliness – Part 4: Initial surface conditions, preparation grades and flash rust grades in connection with water jetting	25.220.10	2020-10
ISO 8528-3	Reciprocating internal combustion engine driven alternating current generating sets – Part 3: Alternating current generators for generating sets	27.020; 29.160.20; 29.160.40	2020-10
ISO 8600-5	Optics and photonics – Medical endoscopes and endotherapy devices – Part 5: Determination of optical resolution of rigid endoscopes with optics	11.040.55; 37.020	2020-10
ISO 8666	Small craft – Principal data	47.080	2020-10
ISO 9454-2	Soft soldering fluxes – Classification and requirements – Part 2: Performance requirements	25.160.50	2020-10
ISO 9455-5	Soft soldering fluxes – Test methods – Part 5: Copper mirror test	25.160.50	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 9455-9	Soft soldering fluxes – Test methods – Part 9: Determination of ammonia content	25.160.50	2020-10
ISO 10303-113	Industrial automation systems and integration – Product data representation and exchange – Part 113: Integrated application resource: Mechanical features	25.040.40	2020-10
ISO 10477	Dentistry – Polymer-based crown and veneering materials	11.060.10	2020-10
ISO 10874 AMD 1	Resilient, textile and laminate floor coverings – Classification – Amendment 1: Elimination of class 22+	97.150	2020-10
ISO 11127-1	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling	25.220.10	2020-10
ISO 11127-2	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution	25.220.10	2020-10
ISO 11127-3	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density	25.220.10	2020-10
ISO 11127-4	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 4: Assessment of hardness by a glass slide test	25.220.10	2020-10
ISO 11127-5	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture	25.220.10	2020-10
ISO 11127-8	Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 8: Field determination of water-soluble chlorides	25.220.10	2020-10
ISO 11591	Small craft – Field of vision from the steering position	47.080	2020-10
ISO 11690-1	Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 1: Noise control strategies	13.140	2020-10
ISO 11690-2	Acoustics – Recommended practice for the design of low-noise workplaces containing machinery – Part 2: Noise control measures	13.140	2020-10
ISO 11978 AMD 1	Ophthalmic optics – Contact lenses and contact lens care products – Labelling; Amendment 1	11.040.70	2020-10
ISO 12004-1	Metallic materials – Determination of forming-limit curves for sheet and strip – Part 1: Measurement and application of forming-limit diagrams in the press shop	77.040.10	2020-10
ISO 12460-3	Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method	79.060.01	2020-10
ISO 12945-1	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 1: Pilling box method	59.080.01	2020-10
ISO 12945-2	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 2: Modified Martindale method	59.080.01	2020-10
ISO 12945-3	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 3: Random tumble pilling method	59.080.01	2020-10
ISO 12945-4	Textiles – Determination of fabric propensity to surface pilling, fuzzing or matting – Part 4: Assessment of pilling, fuzzing and matting by visual analysis	59.080.01	2020-10



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ISO 12958-1	Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 1: Index test	59.080.70	2020-10
ISO 12958-2	Geotextiles and geotextile-related products – Determination of water flow capacity in their plane – Part 2: Performance test	59.080.70	2020-10
ISO 13216-4	Road vehicles – Anchorages in vehicles and attachments to anchorages for child restraint systems – Part 4: Lower tether anchorages	43.040.80	2020-10
ISO 13253 AMD 1	Ducted air-conditioners and air-to-air heat pumps – Testing and rating for performance; Amendment 1	23.120; 27.080	2020-10
ISO/TS 13434	Geosynthetics – Guidelines for the assessment of durability	59.080.70	2020-10
ISO 13784-2	Reaction-to-fire tests for sandwich panel building systems – Part 2: Test method for large rooms	13.220.50	2020-10
ISO 15042 AMD 1	Multiple split-system air conditioners and air-to-air heat pumps – Testing and rating for performance; Amendment 1	23.120; 27.080	2020-10
ISO 15494 AMD 1	Plastics piping systems for industrial applications – Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) – Metric series for specifications for components and the system; Amendment 1	23.040.01	2020-10
ISO 15643	Road construction and maintenance equipment – Bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders – Terminology and commercial specifications	93.080.10	2020-10
ISO 15900	Determination of particle size distribution – Differential electrical mobility analysis for aerosol particles	19.120	2020-10
ISO/TS 16175-2	Information and documentation – Processes and functional requirements for software for managing records – Part 2: Guidance for selecting, designing, implementing and maintaining software for managing records	01.140.20	2020-10
ISO 16531	Surface chemical analysis – Depth profiling – Methods for ion beam alignment and the associated measurement of current or current density for depth profiling in AES and XPS	71.040.40	2020-10
ISO 16866	Metallic and other inorganic coatings – Simultaneous thickness and electrode potential determination of individual layers in multilayer nickel deposits (STEP test)	25.220.40	2020-10
ISO 17090-4	Health informatics – Public key infrastructure – Part 4: Digital signatures for healthcare documents	35.240.80	2020-10
ISO 17190-1	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 1: Test method for determination of pH	11.180.20	2020-10
ISO 17190-3	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 3: Test method for determination of the particle size distribution by sieve fractionation	11.180.20	2020-10
ISO 17190-4	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 4: Test method for estimation of the moisture content as weight loss upon heating	11.180.20	2020-10
ISO 17190-5	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 5: Test method for determination of the free swell capacity in saline by gravimetric measurement	11.180.20	2020-10

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ISO 17190-6	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 6: Test method for determination of the fluid retention capacity in saline solution by gravimetric measurement following centrifugation	11.180.20	2020-10
ISO 17190-7	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 7: Test method for gravimetric determination of absorption against pressure	11.180.20	2020-10
ISO 17190-8	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 8: Test method for determination of the permeability dependent absorption under pressure of saline solution by gravimetric measurement	11.180.20	2020-10
ISO 17190-9	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 9: Test method for gravimetric determination of flow rate and bulk density	11.180.20	2020-10
ISO 17190-10	Urine-absorbing aids for incontinence – Polyacrylate superabsorbent powders – Part 10: Test method for determination of extractable polymer content by potentiometric titration	11.180.20	2020-10
ISO 17867	Particle size analysis – Small angle X-ray scattering (SAXS)	19.120	2020-10
ISO/TR 18146	Space systems – Space debris mitigation design and operation manual for spacecraft	49.140	2020-10
ISO 18527-3	Eye and face protection for sports use – Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	13.340.20; 97.220.30; 97.220.40	2020-10
ISO 19747	Fertilizers and soil conditioners – Determination of monosilicic acid concentrations in nonliquid fertilizer materials	65.080	2020-10
ISO/IEC 20013	Information technology for learning, education and training – Reference framework of e-Portfolio information	03.100.30; 35.240.90	2020-10
ISO/TS 20498-4	Traditional Chinese medicine – Computerized tongue image analysis system – Part 4: Peripheral visual instruments	11.040.99	2020-10
ISO 20794-5	Road vehicles – Clock extension peripheral interface (CXPI) – Part 5: Application layer conformance test plan	43.040.15	2020-10
ISO 20794-6	Road vehicles – Clock extension peripheral interface (CXPI) – Part 6: Transport and network layer conformance test plan	43.040.15	2020-10
ISO 20794-7	Road vehicles – Clock extension peripheral interface (CXPI) – Part 7: Data link and physical layer conformance test plan	43.040.15	2020-10
ISO 20888	Dentistry – Vocabulary and designation system for forensic oro-dental data	01.040.11; 11.060.01	2020-10
ISO/TR 20891	Space systems – Space batteries – Guidelines for in-flight health assessment of lithium-ion batteries	49.140	2020-10
ISO 20957-7	Stationary training equipment – Part 7: Rowing equipment, additional specific safety requirements and test methods	97.220.30	2020-10
ISO 21111-1	Road vehicles – In-vehicle Ethernet – Part 1: General information and definitions	43.040.10	2020-10
ISO 21111-2	Road vehicles – In-vehicle Ethernet – Part 2: Common physical entity requirements	43.040.10	2020-10
ISO/IEC 21122-5	Information technology – JPEG XS low-latency lightweight image coding system – Part 5: Reference software	35.040.40	2020-10

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ISO/TS 21274	Light and lighting – Commissioning of lighting systems in buildings	91.160.10	2020-10
ISO 21468	Infant formula and adult nutritionals – Determination of free and total choline and free and total carnitine – Liquid chromatography tandem mass spectrometry (HPLC-MS/MS)	67.050	2020-10
ISO 21628	Gardening machinery – Powered material-collecting systems – Safety	65.060.70	2020-10
ISO 21736	Refractories – Test methods for thermal shock resistance	81.080	2020-10
ISO 21806-3	Road vehicles – Media Oriented Systems Transport (MOST) – Part 3: Application layer conformance test plan	43.040.15	2020-10
ISO 21806-8	Road vehicles – Media Oriented Systems Transport (MOST) – Part 8: 150-Mbit/s optical physical layer	43.040.15	2020-10
ISO 21806-9	Road vehicles – Media Oriented Systems Transport (MOST) – Part 9: 150-Mbit/s optical physical layer conformance test plan	43.040.15	2020-10
ISO 21866-1	Plain bearings – Automotive engine bearing test rig using actual connecting rods – Part 1: Test rig	21.100.10	2020-10
ISO/TS 21872-2	Microbiology of the food chain – Horizontal method for the determination of <i>Vibrio</i> spp. – Part 2: Enumeration of total and potentially enteropathogenic <i>Vibrio parahaemolyticus</i> in seafood using nucleic acid hybridization	07.100.30	2020-10
ISO 22095	Chain of custody – General terminology and models	03.100.01	2020-10
ISO 22232-3	Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 3: Combined equipment	19.100	2020-10
ISO 22384	Security and resilience – Authenticity, integrity and trust for products and documents – Guidelines to establish and monitor a protection plan and its implementation	03.100.01	2020-10
ISO 22444-1	Rare earth – Vocabulary – Part 1: Minerals, oxides and other compounds	01.040.13; 13.030.30	2020-10
ISO 22444-2	Rare earth – Vocabulary – Part 2: Metals and their alloys	01.040.13; 13.030.30	2020-10
ISO 22450	Recycling of rare earth elements – Requirements for providing information on industrial waste and end-of-life products	13.030.30; 13.030.50	2020-10
ISO 22549-1	Automation systems and integration – Assessment on convergence of informatization and industrialization for industrial enterprises – Part 1: Framework and reference model	25.040.01	2020-10
ISO 22549-2	Automation systems and integration – Assessment on convergence of informatization and industrialization for industrial enterprises – Part 2: Maturity model and evaluation methodology	25.040.01	2020-10
ISO/TS 22692	Genomics informatics- Quality control metrics for DNA sequencing	35.240.80	2020-10
ISO/TR 22914	Statistical methods for implementation of Six Sigma – Selected illustration of analysis of variance	03.120.30	2020-10
ISO 22992-2	Textiles – Determination of certain preservatives – Part 2: Determination of triclosan residues method using LC-MS/MS	59.060.01	2020-10
ISO 23306	Specification of liquefied natural gas as a fuel for marine applications	75.160.30	2020-10
ISO 23449	Corrosion of metals and alloys – Multielectrode arrays for corrosion measurement	77.060	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 23466	Design criteria for the thermal insulation of reactor coolant system main equipments and piping of PWR nuclear power plants	27.120.20	2020-10
ISO 23601	Safety identification – Escape and evacuation plan signs	01.080.10	2020-10
ISO 23753-1 AMD 1	Soil quality – Determination of dehydrogenases activity in soils – Part 1: Method using triphenyltetrazolium chloride (TTC); Amendment 1	13.080.30	2020-10
ISO 23753-2 AMD 1	Soil quality – Determination of dehydrogenases activity in soils – Part 2: Method using iodotetrazolium chloride (INT); Amendment 1	13.080.30	2020-10
ISO 24042	Liquid cargo handling equipment – Crude oil offloading system -Tandem mooring winches	47.020.50	2020-10
ISO 24043	Marine structures – Crude oil offloading systems – Hose reels	47.020.50	2020-10
ISO 24044	Ships and marine technology – Deck machinery – Multifunctional manipulator	47.020.50	2020-10
ISO 24263	Footwear – Attachment strength of straps, trims and accessories	61.060	2020-10
ISO 24264	Footwear – Test methods for hollow and compact heels with top pieces – Top piece attachment strength	61.060	2020-10
ISO 24265	Footwear – Test methods for uppers – Resistance to rubbing using a rubber strip	61.060	2020-10
ISO 24267	Footwear – Determination of coefficient of friction for footwear and sole components – Test method	61.060	2020-10
ISO/PAS 24438	Ships and marine technology – Maritime education and training – Maritime career guidance	03.180; 47.020.01	2020-10
ISO 25119-1 AMD 1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 1: General principles for design and development; Amendment 1	35.240.99; 65.060.01	2020-10
ISO 25119-3 AMD 1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 3: Series development, hardware and software; Amendment 1	35.240.99; 65.060.01	2020-10
ISO 25119-4 AMD 1	Tractors and machinery for agriculture and forestry – Safety-related parts of control systems – Part 4: Production, operation, modification and supporting processes; Amendment 1	35.240.99; 65.060.01	2020-10
ISO 26825	Anaesthetic and respiratory equipment – User-applied labels for syringes containing drugs used during anaesthesia – Colours, design and performance	11.040.10; 11.040.25	2020-10
ISO 26871	Space systems – Explosive systems and devices	49.140	2020-10
ISO/IEC TS 29140	Information technology for learning, education and training – Nomadcity and mobile technologies	35.240.90	2020-10



## Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR/TR 16-3	Specification for radio disturbance and immunity measuring apparatus and methods – Part 3: CISPR technical reports	33.100.10; 33.100.20	2020-10
ISO/IEC 30144	Internet of things (IOT) – Wireless sensor network system supporting electrical power substation	29.240.10; 35.110; 35.240.95	2020-10
IEC 60034-7	Rotating electrical machines – Part 7: Classification of types of construction, mounting arrangements and terminal box position (IM Code)	29.160.01	2020-10
IEC 60034-11	Rotating electrical machines – Part 11: Thermal protection	29.160.01	2020-10
IEC 60079-25 Corrigendum 1	Explosive atmospheres – Part 25: Intrinsically safe electrical systems; Corrigendum 1	29.260.20	2020-10
IEC/TS 60079-39 Corrigendum 1	Explosive atmospheres – Part 39: Intrinsically safe systems with electronically controlled spark duration limitation; Corrigendum 1	29.260.20	2020-10
IEC 60112	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	19.080; 29.035.01	2020-10
IEC/TR 60522-2	Medical electrical equipment – Diagnostic X-rays – Part 2: Guidance and rationale on quality equivalent filtration and permanent filtration	11.040.50	2020-10
IEC 60601-2-1	Medical electrical equipment – Part 2-1: Particular requirements for the basic safety and essential performance of electron accelerators in the range 1 MeV to 50 MeV	11.040.50; 11.040.60	2020-10
IEC 60603-7	Connectors for electronic equipment – Part 7: Detail specification for 8-way, unshielded, free and fixed connectors	31.220.01; 31.220.10	2020-10
IEC 60664-1 Corrigendum 1	Insulation coordination for equipment within low-voltage supply systems – Part 1: Principles, requirements and tests; Corrigendum 1	29.080.30	2020-10
IEC 60704-2-1	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-1: Particular requirements for dry vacuum cleaners	17.140.20; 97.080	2020-10
IEC 60704-2-17	Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-17: Particular requirements for dry-cleaning robots	17.140.20; 97.080	2020-10
IEC/IEEE 60980-344	Nuclear facilities – Equipment important to safety – Seismic qualification	27.120.10; 27.120.20	2020-10
IEC/TS 61169-1-51	Radio frequency connectors – Part 1-51: Technical specification of electrical tests – Uncertainty specification of frequency domain test for return loss	33.120.30	2020-10
IEC 61326-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 1: General requirements	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61326-2-1	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61326-2-2	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-2: Particular requirements – Test configurations, operational conditions and performance criteria for portable testing, measuring and monitoring equipment used in low-voltage distribution systems	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 61326-2-3	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	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61326-2-4	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	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61326-2-5	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-5: Particular requirements – Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1	17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61326-2-6	Electrical equipment for measurement, control and laboratory use – EMC requirements – Part 2-6: Particular requirements – In vitro diagnostic (IVD) medical equipment	11.040.55; 11.100.10; 17.220.20; 25.040.40; 33.100.01; 33.100.20	2020-10
IEC 61803	Determination of power losses in high-voltage direct current (HVDC) converter stations with line-commutated converters	29.200	2020-10
IEC/IEEE 62209-1528	Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Part 1528: Human models, instrumentation, and procedures (Frequency range of 4 MHz to 10 GHz)	17.220.20; 17.240; 33.070.01	2020-10
IEC/TS 62282-9-101	Fuel cell technologies – Part 9-101: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking – Streamlined life-cycle considered environmental performance characterization of stationary fuel cell combined heat and power systems for residential applications	27.070	2020-10
IEC 62351-6	Power systems management and associated information exchange – Data and communication security – Part 6: Security for IEC 61850	33.200; 35.030; 35.240.50	2020-10
IEC 62484	Radiation protection instrumentation – Spectrometric radiation portal monitors (SRPMs) used for the detection and identification of illicit trafficking of radioactive material	13.280; 17.240	2020-10
IEC/TS 62607-6-3	Nanomanufacturing – Key control characteristics – Part 6-3: Graphene-based material – Domain size: substrate oxidation	07.030; 07.120	2020-10
IEC/TS 62607-6-13 Corrigendum 1	Nanomanufacturing – Key control characteristics – Part 6-13: Graphene-based material – Oxygen functional group content: Boehm titration method; Corrigendum 1	07.120	2020-10
IEC/TS 62607-6-14	Nanomanufacturing – Key control characteristics – Part 6-14: Graphene-based material – Defect level: Raman spectroscopy	07.120	2020-10
IEC/IEEE 62704-4	Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communication devices, 30 MHz to 6 GHz – Part 4: General requirements for using the finite element method for SAR calculations	13.280; 17.220.20; 33.070.01	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 62788-1-4 AMD 1	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; Amendment 1	27.160	2020-10
IEC 62788-1-4 Edition 1.1	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	27.160	2020-10
IEC 62832-1	Industrial-process measurement, control and automation – Digital factory framework – Part 1: General principles	25.040.40; 35.240.50	2020-10
IEC 62832-2	Industrial-process measurement, control and automation – Digital factory framework – Part 2: Model elements	25.040.40; 35.240.50	2020-10
IEC 62832-3	Industrial-process measurement, control and automation – Digital Factory framework – Part 3: Application of Digital Factory for life cycle management of production systems	25.040.40; 35.240.50	2020-10
IEC/TS 62885-1	Surface cleaning appliances – Part 1: General requirements on test material and test equipment	97.080	2020-10
IEC/ASTM 62885-7	Surface cleaning appliances – Part 7: Dry-cleaning robots for household or similar use – Methods for measuring the performance	97.080	2020-10
IEC 63046	Nuclear power plants – Electrical power system – General requirements	27.120.20	2020-10
IEC 63073-1	Dedicated radionuclide imaging devices – Characteristics and test conditions – Part 1: Cardiac SPECT	11.040.50	2020-10
IEC 63096	Nuclear power plants – Instrumentation, control and electrical power systems – Security controls	27.120.10; 27.120.20; 35.240.50	2020-10
IEC/TR 63227	Lightning and surge voltage protection for photovoltaic (PV) power supply systems	27.160	2020-10
IEC SRD 63268	Energy and data interfaces of users connected to the smart grid with other smart grid stakeholders – Standardization landscape	27.010; 29.020; 29.240.01	2020-10
IEC/PAS 63324	Zhaga interface specification Book 1 and Book 10	29.140.99	2020-10
IEC/PAS 63328	Zhaga interface specification Book 1 and Book 12	29.140.99	2020-10
IEC/PAS 63329	Zhaga interface specification Book 1 and Book 14	29.140.99	2020-10
ISO/IEC 10373-1	Cards and security devices for personal identification – Test methods – Part 1: General characteristics	35.240.15	2020-10
ISO/IEC 13818-1 Technical Corrigendum 1	Information technology – Generic coding of moving pictures and associated audio information – Part 1: Systems; Technical Corrigendum 1	35.040.40	2020-10
ISO/IEC 18046-3	Information technology – Radio frequency identification device performance test methods – Part 3: Test methods for tag performance	35.040.50	2020-10
ISO/IEC 19763-3	Information technology – Metamodel framework for interoperability (MFI) – Part 3: Metamodel for ontology registration	35.040.50	2020-10
ISO/IEC 19823-16	Information technology – Conformance test methods for security service crypto suites – Part 16: Crypto suite ECDSA-ECDH security services for air interface communications	35.030	2020-10

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 19944-1	Cloud computing and distributed platforms – Data flow, data categories and data use – Part 1: Fundamentals	35.210	2020-10
ISO/IEC 19989-2	Information security – Criteria and methodology for security evaluation of biometric systems – Part 2: Biometric recognition performance	35.030	2020-10
ISO/IEC 23092-1	Information technology – Genomic information representation – Part 1: Transport and storage of genomic information	35.040.99	2020-10
ISO/IEC 23092-2	Information technology – Genomic information representation – Part 2: Coding of genomic information	35.040.99	2020-10
ISO/IEC 23092-4	Information technology – Genomic information representation – Part 4: Reference software	35.040.99	2020-10
ISO/IEC 23094-1	Information technology – General video coding – Part 1: Essential video coding	35.040.40	2020-10
ISO/IEC TR 23842-1	Information technology for learning, education and training – Human factor guidelines for virtual reality content – Part 1: Considerations when using VR content	35.240.90	2020-10
ISO/IEC TR 23842-2	Information technology for learning, education, and training – Human factor guidelines for virtual reality content – Part 2: Considerations when making VR content	35.240.90	2020-10
ISO/IEC TR 23843	Information technology for learning, education and training – Catalogue model for virtual, augmented and mixed reality content	35.240.90	2020-10
ISO/IEC 30113-60	Information technology – Gesture-based interfaces across devices and methods – Part 60: General guidance on gestures for screen readers	35.240.20	2020-10
ISO/IEC 30145-2	Information technology – Smart City ICT reference framework – Part 2: Smart city knowledge management framework	13.020.20; 35.240.99	2020-10
ISO 80601-2-67	Medical electrical equipment – Part 2-67: Particular requirements for basic safety and essential performance of oxygen-conserving equipment	11.040.10	2020-10