

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 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 ISO 799-1:2020 en pr
Brodovi i pomorska tehnologija – Peljarske ljestve – 1. dio: Projekt i specifikacija (ISO 799-1:2019)
Ships and marine technology – Pilot ladders – Part 1: Design and specification (ISO 799-1:2019)

HRN ISO 5480:2020 en pr
Brodoska i pomorska tehnologija – Ograde na teretnim brodovima (ISO 5480:2020)
Ships and marine technology – Guardrails for cargo ships (ISO 5480:2020)

HRN ISO 9089:2020 en pr
Pomorske konstrukcije – Pokretni odobalni objekti – Sidrena vitla i vitla za potpomognuto privezivanje (ISO 9089:2019)
Marine structures – Mobile offshore units – Mooring positioning windlasses and winches (ISO 9089:2019)

HRI ISO/TR 10134:2020 en pr
Mala plovila – Električni uređaji – Ustaljene prakse za projektiranje, konstrukciju i montažu sustava gromobranske zaštite (ISO/TR 10134:2020)
Small craft – Electrical devices – Established practices for the design, construction and installation of lightning-protection systems (ISO/TR 10134:2020)

HRN EN ISO 11591:2020 en pr
Mala plovila – Vidno polje s mjesta upravljanja (ISO 11591:2020; EN ISO 11591:2020)
Small craft – Field of vision from the steering position (ISO 11591:2020; EN ISO 11591:2020)

HRN ISO 11674:2020 en pr
Brodovi i pomorska tehnologija – Sustavi upravljanja smjerom (ISO 11674:2019)
Ships and marine technology – Heading control systems (ISO 11674:2019)

HRN ISO 13617:2020 en pr
Brodoska i pomorska tehnologija – Brodski spaljivači – Zahtjevi (ISO 13617:2019)
Ships and marine technology – Shipboard incinerators – Requirements (ISO 13617:2019)

HRN ISO 15738:2020 en pr
Brodovi i pomorska tehnologija – Pomorska sigurnost – Sustavi plinskog napuhavanja samonapuhavajućih sredstava za spašavanje (ISO 15738:2019)
Ships and marine technology – Maritime safety – Gas inflation systems for inflatable life-saving appliances (ISO 15738:2019)

HRN ISO 16165:2020 en pr
Brodovi i pomorska tehnologija – Zaštita pomorskog okoliša – Rječnik iz područja intervencija pri onečišćenju uljem (ISO 16165:2020)
Ships and marine technology – Marine environment protection – Vocabulary relating to oil spill response (ISO 16165:2020)

HRN ISO 25862:2020 en pr
Brodovi i pomorska tehnologija – Magnetni kompasi, postolja kompasa i uređaji za očitavanje azimuta (ISO 25862:2019)
Ships and marine technology – Marine magnetic compasses, binnacles and azimuth reading devices (ISO 25862:2019)

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 15004-2:2020 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 2. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom FK-5-1-12 (ISO 14520-5:2019, MOD; EN 15004-2:2020)
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, MOD; EN 15004-2:2020)

HRN EN 15004-4:2020 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 4. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 125 (ISO 14520-8:2019, MOD; EN 15004-4:2020)
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, MOD; EN 15004-4:2020)

HRN EN 15004-5:2020 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 5. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 227ea (ISO 14520-9:2019, MOD; EN 15004-5:2020)
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, MOD; EN 15004-5:2020)

HRN EN 15004-6:2020 en pr
Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 6. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 23 (ISO 14520-10:2019, MOD; EN 15004-6:2020)
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, MOD; EN 15004-6:2020)

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN 15948:2020 en pr
Žitarice – Određivanje vlage i proteina – Metoda primjenom bliske infracrvene spektroskopije u cijelom zrnu (EN 15948:2020)
Cereals – Determination of moisture and protein – Method using Near-Infrared-Spectroscopy in whole kernels (EN 15948:2020)

HZN/TO 43, Akustika

HRN EN ISO 9053-2:2020 en pr
Akustika – Određivanje otpora strujanju zraka – 2. dio: Metoda izmjeničnog strujanja zraka (ISO 9053-2:2020; EN ISO 9053-2:2020)
Acoustics – Determination of airflow resistance – Part 2: Alternating airflow method (ISO 9053-2:2020; EN ISO 9053-2:2020)

HRN EN ISO 10848-5:2020 en pr
Akustika – Laboratorijsko i terensko mjerenje bočnog prijenosa zračnog i udarnog zvuka te zvuka servisne opreme u zgradi između susjednih prostorija – 5. dio: Faktori zračenja zvuka građevnih dijelova zgrade (ISO 10848-5:2020; EN ISO 10848-5:2020)
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; EN ISO 10848-5:2020)

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9453:2020 en pr
Meki lemovi – Kemijski sastavi i oblici isporuke (ISO 9453:2020; EN ISO 9453:2020)
Soft solder alloys – Chemical compositions and forms (ISO 9453:2020; EN ISO 9453:2020)

HRN EN ISO 9455-5:2020 en pr
Tallia za meko lemljenje – Metode ispitivanja – 5. dio: Ispitivanje bakrenim zrcalom (ISO 9455-5:2020; EN ISO 9455-5:2020)
Soft soldering fluxes – Test methods – Part 5: Copper mirror test (ISO 9455-5:2020; EN ISO 9455-5:2020)

HZN/TO 71, Beton

HRI CEN/TR 17086:2020 en pr
Daljnje smjernice za primjenu EN 13791:2019 i pozadina odredbi (CEN/TR 17086:2020)
Further guidance on the application of EN 13791:2019 and background to the provisions (CEN/TR 17086:2020)

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

HRN EN 378-1:2020 en pr
Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na sigurnost i okoliš – 1. dio: Osnovni zahtjevi, definicije, razredba i kriteriji odabira (EN 378-1:2016+A1:2020)
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria (EN 378-1:2016+A1:2020)

HRN EN 378-3:2020 en pr
Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na sigurnost i okoliš – 3. dio: Mjesto instalacije i osobna zaštita (EN 378-3:2016+A1:2020)
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site and personal protection (EN 378-3:2016+A1:2020)

HZN/TO 89, Furniri i drvene ploče

HRN EN ISO 12460-3:2020 en pr
Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 3. dio: Metoda analize plina (ISO 12460-3:2020; EN ISO 12460-3:2020)
Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method (ISO 12460-3:2020; EN ISO 12460-3:2020)

HZN/TO 120, Koža i obuća

HRN EN ISO 24264:2020 en pr
Obuća – Metode ispitivanja za šupljikave i ispunjene dijelove pete i kapica – Čvrstoća pričvršćivanja gornjeg dijela (ISO 24264:2020; EN ISO 24264:2020)
Footwear – Test methods for hollow and compact heels and top pieces – Top piece attachment strength (ISO 24264:2020; EN ISO 24264:2020)

HRN EN ISO 24265:2020 en pr
Obuća – Metode ispitivanja za gornjište – Otpornost na trljanje gumenom trakom (ISO 24265:2020; EN ISO 24265:2020)
Footwear – Test methods for uppers – Resistance to rubbing using a rubber strip (ISO 24265:2020; EN ISO 24265:2020)

HZN/TO 121, Anestetička i respiracijska oprema

HRN EN ISO 8836:2020 en pr
Usisni kateteri za upotrebu u dišnom putu (ISO 8836:2019; EN ISO 8836:2020)
Suction catheters for use in the respiratory tract (ISO 8836:2019; EN ISO 8836:2020)

HZN/TO 126, Duhan i duhanski proizvodi

HRN ISO 2965:2020 en pr
Materijali koji se upotrebljavaju kao cigaretni papir, ovojni papir za filtar i papir za usni dio cigarete, uključujući i materijale koji imaju odjeljenu ili usmjerenu propusnu zonu i materijali s područjima različite propusnosti – Određivanje propusnosti zraka (ISO 2965:2019)
Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete or oriented permeable zone and materials with bands of differing permeability – Determination of air permeability (ISO 2965:2019)

HRN ISO 4387:2020 en pr
Cigarete – Određivanje ukupnog i suhog dimnog kondenzata bez nikotina (katrana) uporabom rutinskog analitičkog stroja za pušenje (ISO 4387:2019)
Cigarettes – Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine (ISO 4387:2019)

HRN ISO 4874:2020 en pr
Duhan – Uzorkovanje partija sirovog duhana – Opća načela (ISO 4874:2020)
Tobacco – Sampling of batches of raw material – General principles (ISO 4874:2020)

HRN ISO 7210:2020 en pr
Rutinski analitički uređaj za pušenje cigareta – Dodatne metode ispitivanja za verifikaciju uređaja (ISO 7210:2018)
Routine analytical cigarette-smoking machine – Additional test methods for machine verification (ISO 7210:2018)

HRN ISO 9512:2020 en pr
Cigarete – Određivanje prozračivanja – Definicije i načela mjerenja (ISO 9512:2019)
Cigarettes – Determination of ventilation – Definitions and measurement principles (ISO 9512:2019)

HRN ISO 10362-1:2020 en pr
Cigarete – Određivanje vode u sirovom dimnom kondenzatu iz glavne struje dima – 1. dio: Metoda plinske kromatografije (ISO 10362-1:2019)
Cigarettes – Determination of water in total particulate matter from the mainstream smoke – Part 1: Gas-chromatographic method (ISO 10362-1:2019)

HRN ISO 13276:2020 en pr
Duhan i duhanski proizvodi – Određivanje čistoće nikotina – Gravimetrijska metoda uporabom silikovolframove kiseline (ISO 13276:2020)
Tobacco and tobacco products – Determination of nicotine purity – Gravimetric method using tungstosilicic acid (ISO 13276:2020)

HRN ISO 16055:2020 en pr
Duhan i duhanski proizvodi – Etalonska cigareta – Zahtjevi i upotreba (ISO 16055:2019)
Tobacco and tobacco products – Monitor test piece – Requirements and use (ISO 16055:2019)

HRN ISO 20193:2020 en pr
Duhan i duhanski proizvodi – Određivanje širine vlakana rezanog duhana (ISO 20193:2019)
Tobacco and tobacco products – Determination of the width of the strands of cut tobacco (ISO 20193:2019)

HRN ISO 22634-1:2020 en pr
Cigarete – Određivanje benzo[a]pirena u glavnoj struji dima pomoću vezanog sustava plinske kromatografije-spektrometrije masa (GC/MS) – 1. dio: Metoda s uporabom metanola kao ekstrakcijskog otapala (ISO 22634-1:2019)
Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS – Part 1: Method using methanol as extraction solvent (ISO 22634-1:2019)

HRN ISO 22634-2:2020 en pr
Cigarete – Određivanje benzo[a]pirena u glavnoj struji dima pomoću vezanog sustava plinske kromatografije-spektrometrije masa (GC/MS) – 2. dio: Metoda s uporabom cikloheksana kao ekstrakcijskog otapala (ISO 22634-2:2019)
Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS – Part 2: Method using cyclohexane as extraction solvent (ISO 22634-2:2019)

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 22232-3:2020 en pr
Nerazorno ispitivanje – Karakterizacija i provjeravanje opreme za ispitivanje ultrazvukom – 3. dio: Kombinirana oprema (ISO 22232-3:2020; EN ISO 22232-3:2020)
Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 3: Combined equipment (ISO 22232-3:2020; EN ISO 22232-3:2020)

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

HRN EN ISO 16486-2:2020 en pr
Plastični cijevni sustavi za opskrbu plinovitim gorivima – Cijevni sustavi od neomekšanog poliamida (PA-U) sa zavarivanjem i mehaničkim spajanjem – 2. dio: Cijevi (ISO 16486-2:2020; EN ISO 16486-2:2020)
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; EN ISO 16486-2:2020)

HZN/TO 145, Grafički simboli

HRN EN ISO 7010:2020/A1:2020 en pr
Grafički simboli – Boje i znakovi sigurnosti – Registrirani znakovi sigurnosti (ISO 7010:2019/Amd 1:2020; EN ISO 7010:2020/A1:2020)
Graphical symbols – Safety colours and safety signs – Registered safety signs (ISO 7010:2019/Amd 1:2020; EN ISO 7010:2020/A1:2020)

HZN/TO 163, Toplinska izolacija

HRN EN 17140:2020 en pr
Toplinsko-izolacijski proizvodi za zgrade – Tvornički proizvedeni vakumski izolacijski paneli – Specifikacija (EN 17140:2020)
Thermal insulation products for buildings – Factory made Vacuum Insulation Panels (VIP) – Specification (EN 17140:2020)

HZN/TO 172, Optika i optički instrumenti

HRN EN ISO 11978:2017/A1:2020 en pr
Oftalmološka optika – Kontaktne leće i proizvodi za njegu kontaktnih leća – Označivanje (ISO 11978:2017/Amd 1:2020; EN ISO 11978:2017/A1:2020)
Ophthalmic optics – Contact lenses and contact lens care products – Labelling (ISO 11978:2017/Amd 1:2020; EN ISO 11978:2017/A1:2020)

HRN EN ISO 11979-5:2020 en pr
Oftalmološki implantanti – Intraokularne leće – 5. dio: Biološka podnošljivost (ISO 11979-5:2020; EN ISO 11979-5:2020)
Ophthalmic implants – Intraocular lenses – Part 5: Biocompatibility (ISO 11979-5:2020; EN ISO 11979-5:2020)

HZN/TO 221, Geosintetici

HRS ISO/TS 13434:2020 en pr
Geosintetici – Smjernice za procjenu trajnosti (ISO/TS 13434:2020)
Geosynthetics – Guidelines for the assessment of durability (ISO/TS 13434:2020)

HZN/TO 503, Metalni materijali

HRN EN ISO 7438:2020 en pr
Metalni materijali – Ispitivanje savijanjem (ISO 7438:2020; EN ISO 7438:2020)
Metallic materials – Bend test (ISO 7438:2020; EN ISO 7438:2020)

HZN/TO 504, Korozija i zaštita metala i legura

HRN ISO 11845:2020 en pr
Korozija metala i legura – Opća načela za ispitivanje korozije (ISO 11845:2020)
Corrosion of metals and alloys – General principles for corrosion testing (ISO 11845:2020)

HRN EN 14038-2:2020 en pr
Elektrokemijska realkalizacija i postupci ekstrakcije klorida za armirani beton – 2. dio: Ekstrakcija klorida (EN 14038-2:2020)
Electrochemical realkalization and chloride extraction treatments for reinforced concrete – Part 2: Chloride extraction (EN 14038-2:2020)

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

HRN EN ISO 18796-1:2020 en pr
Industrija nafte, petrokemije i prirodnog plina – Unutarnji premazi i obloge procesnih posuda od ugljičnog čelika – Tehnički zahtjevi (ISO 18796-1:2018; EN ISO 18796-1:2020)
Petroleum, petrochemicals and natural gas industries – Internal coating and lining of carbon steel process vessels – Part 1: Technical requirements (ISO 18796-1:2018; EN ISO 18796-1:2020)

HRN EN ISO 35104:2020 en pr
Industrija nafte i prirodnoga plina – Operacije na Arktiku – Upravljanje ledom (ISO 35104:2018; EN ISO 35104:2020)
Petroleum and natural gas industries – Arctic operations – Ice management (ISO 35104:2018; EN ISO 35104:2020)

HZN/TO 508, Ambalaža i pakiranje

HRN EN 15009:2020 en pr
Spremnici za aerosole – Spremnici za aerosole s pregradama (EN 15009:2020)
Aerosol containers – Compartmented aerosol dispensers (EN 15009:2020)

HRN EN ISO 21976:2020 en pr
Ambalaža – Značajke pakiranja lijekova koje omogućuju provjeru eventualnog neovlaštenog otvaranja (ISO 21976:2018; EN ISO 21976:2020)
Packaging – Tamper verification features for medicinal product packaging (ISO 21976:2018; EN ISO 21976:2020)

HZN/TO 509, Cestovna oprema

HRN EN 1871:2020 en pr
Materijali za oznake na kolniku – Boja, termoplastični i hladno plastični materijali – Fizikalna svojstva (EN 1871:2020)
Road marking materials – Paint, thermoplastic and cold plastic materials – Physical properties (EN 1871:2020)

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 80000-3:2020 en pr
Veličine i jedinice – 3. dio: Prostor i vrijeme (ISO 80000-3:2019; EN ISO 80000-3:2020)
Quantities and units – Part 3: Space and time (ISO 80000-3:2019; EN ISO 80000-3:2020)

HRN EN ISO 80000-11:2020 en pr
Veličine i jedinice – 11. dio: Karakteristični brojevi (ISO 80000-11:2019; EN ISO 80000-11:2020)
Quantities and units – Part 11: Characteristic numbers (ISO 80000-11:2019; EN ISO 80000-11:2020)

HZN/TO 528, Oprema za željeznice

HRN EN 15085-2:2020 en pr
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 2. dio: Zahtjevi za poduzeća za zavarivanje (EN 15085-2:2020)
Railway applications – Welding of railway vehicles and components – Part 2: Requirements for welding manufacturers (EN 15085-2:2020)

HRN EN 17282:2020 en pr
Željeznički sustav – Infrastruktura – Podzastorni podlošci (EN 17282:2020)
Railway applications – Infrastructure – Under ballast mats (EN 17282:2020)

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

HRN EN 12999:2020 en pr
Granici – Pretovarni granici (EN 12999:2020)
Cranes – Loader cranes (EN 12999:2020)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 13623:2020 en pr
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti kemijskih dezinficijensa za obradu vode u vodenim sustavima protiv Legionelle – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13623:2020)
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) (EN 13623:2020)

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

HRN EN 13141-5:2020 en pr
Ventilacija u zgradama – Ispitivanje značajka dijelova/proizvoda za ventilaciju stambenih zgrada – 5. dio: Krovne kape, krovne kape s prisilnom ventilacijom i krovni otvori za zrak (EN 13141-5:2020)
Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 5: Cows, assisted cows and roof outlet terminal devices (EN 13141-5:2020)

HZN/TO 552, Društvena odgovornost

HRN EN ISO 26000:2020 en pr
Upute o društvenoj odgovornosti (ISO 26000:2010; EN ISO 26000:2020)
Guidance on social responsibility (ISO 26000:2010; EN ISO 26000:2020)

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 12402-10:2020 en pr
Osobne plutajuće naprave – 10. dio: Odabir i primjena osobnih plutajućih i drugih odgovarajućih naprava (ISO 12402-10:2020; EN ISO 12402-10:2020)
Personal flotation devices – Part 10: Selection and application of personal flotation devices and other relevant devices (ISO 12402-10:2020; EN ISO 12402-10:2020)

HZN/TO 558, Zaštita dišnih putova

HRN EN 13274-4:2020 en pr
Zaštitne naprave za disanje – Metode ispitivanja – 4. dio: Ispitivanje plamenom (EN 13274-4:2020)
Respiratory protective devices – Methods of test – Part 4: Flame test (EN 13274-4:2020)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 12569:2020 en pr
Industrijski zaporni uređaji – Zaporni uređaji za kemijsku i petrokemijsku procesnu industriju – Zahtjevi i ispitivanja (EN 12569:2020)
Industrial valves – Valves for chemical and petrochemical process industry – Requirements and tests (EN 12569:2020)

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 1833-12:2020 en pr
Tekstil – Kvantitativna kemijska analiza – 12. dio: Mješavine akrilnih, određenih modakrilnih, određenih klornih, određenih elastanskih vlakana s drugim određenim vlaknima (metoda s uporabom dimetilformamida) (ISO 1833-12:2020; EN ISO 1833-12:2020)
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; EN ISO 1833-12:2020)

HRN EN ISO 1833-18:2020 en pr
Tekstil – Kvantitativna kemijska analiza – 18. dio: Mješavine svile s vunom i drugim životinjskim vlaknima (metoda s primjenom sumporne kiseline) (ISO 1833-18:2020; EN ISO 1833-18:2020)
Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with wool or other animal hair (method using sulfuric acid) (ISO 1833-18:2020; EN ISO 1833-18:2020)

HRN EN ISO 1833-26:2020 en pr
Tekstil – Kvantitativna kemijska analiza – 26. dio: Mješavine melamina s određenim drugim vlaknima (metoda s uporabom vruće mravlje kiseline) (ISO 1833-26:2020; EN ISO 1833-26:2020)
Textiles – Quantitative chemical analysis – Part 26: Mixtures of melamine with certain other fibres (method using hot formic acid) (ISO 1833-26:2020; EN ISO 1833-26:2020)

HRN EN ISO 5079:2020 en pr
Tekstilna vlakna – Određivanje prekidne sile i prekidnog istezanja pojedinačnih vlakana (ISO 5079:2020; EN ISO 5079:2020)
Textile fibres – Determination of breaking force and elongation at break of individual fibres (ISO 5079:2020; EN ISO 5079:2020)

HRN EN 17394-2:2020 en pr
Tekstil – 2. dio: Sigurnost dječje odjeće – Sigurnost pričvršćivanja gumbi – Metoda ispitivanja (EN 17394-2:2020)
Textiles and textile products – Part 2: Safety of children's clothing – Security of attachment of buttons – Test method (EN 17394-2:2020)

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

HRN EN ISO 10298:2020 en pr
Plinske boce – Plinovi i plinske mješavine – Određivanje toksičnosti radi odabira priključaka ventila na bocu (ISO 10298:2018; EN ISO 10298:2020)
Gas cylinders – Gases and gas mixtures – Determination of toxicity for the selection of cylinder valve outlets (ISO 10298:2018; EN ISO 10298:2020)

HRN EN ISO 11755:2020 en pr
Plinske boce – Baterije boca za komprimirane i ukapljene plinove (osim acetilena) – Pregled pri punjenju (ISO 11755:2005; EN ISO 11755:2020)
Gas cylinders – Cylinder bundles for compressed and liquefied gases (excluding acetylene) – Inspection at time of filling (ISO 11755:2005; EN ISO 11755:2020)

HRN EN ISO 13338:2020 en pr
Plinske boce – Plinovi i plinske mješavine – Određivanje korozivnog djelovanja na tkiva radi odabira priključaka ventila na bocu (ISO 13338:2017; EN ISO 13338:2020)
Gas cylinders – Gases and gas mixtures – Determination of tissue corrosiveness for the selection of cylinder valve outlets (ISO 13338:2017; EN ISO 13338:2020)

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

HRN EN ISO 6887-3:2017/A1:2020 en pr
Mikrobiologija u lancu hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološko ispitivanje – 3. dio: Posebna pravila za pripremu ribe i proizvoda od ribe – Amandman 1: Priprema uzoraka za sirove morske gastropode (ISO 6887-3:2017/Amd 1:2020; EN ISO 6887-3:2017/A1:2020)
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; EN ISO 6887-3:2017/A1:2020)

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

HRN ISO 5355:2020 en pr
Skijaške cipele (pancerice) za alpsko skijanje – Zahtjevi i metode ispitivanja (ISO 5355:2019)
Alpine ski-boots – Requirements and test methods (ISO 5355:2019)

HRN ISO 6005:2020 en pr
Skije za alpsko skijanje – Vijci za skijaške vezove – Metode ispitivanja (ISO 6005:2019)
Alpine skis – Ski binding screws – Test methods (ISO 6005:2019)

HRN ISO 7331:2020 en pr
Skijaški štapovi za alpsko i turno skijanje – Zahtjevi i metode ispitivanja (ISO 7331:2020)
Ski-poles for alpine and touring skiing – Requirements and test methods (ISO 7331:2020)

HRN ISO 8061:2020 en pr
Vezovi za skije za alpsko skijanje – Odabir vrijednosti momenta otpuštanja (ISO 8061:2019)
Alpine ski-bindings – Selection of release torques values (ISO 8061:2019)

HRN ISO 9523:2020 en pr
Skijaške cipele (pancerice) za turno skijanje za odrasle – Međusklop s vezovima za turno skijanje – Zahtjevi i metode ispitivanja (ISO 9523:2019)
Touring ski-boots for adults – Interface with touring ski-bindings – Requirements and test methods (ISO 9523:2019)

HRN ISO 9838:2020 en pr
Skijaški vezovi za alpsko i turno skijanje – Provjera potplata pri ispitivanju skijaških vezova (ISO 9838:2019)
Alpine and touring ski-bindings – Test soles for ski-binding tests (ISO 9838:2019)

HRN ISO 11088:2020 en pr
Montiranje, prilagodba i pregled sustava skija-vez-skijaška cipela (S-B-B) u alpskom skijanju (ISO 11088:2018)
Alpine ski/binding/boot (S-B-B) system – Assembly, adjustment and inspection (ISO 11088:2018)

HRN ISO 20740:2020 en pr
Borilačke vještine – Mač za wushu tai chi – Zahtjevi i metode ispitivanja (ISO 20740:2019)
Martial arts – Wushu Taiji sword – Requirements and test method (ISO 20740:2019)

HRN ISO 21924-9:2020 en pr
Borilačke vještine – Zaštitna oprema za borilačke vještine – 9. dio: Dodatni zahtjevi i metode ispitivanja za štitnike glave za wushu sanda (ISO 21924-9:2020)
Martial arts – Protective equipment for martial arts – Part 9: Additional requirements and test methods for Wushu Sanda head protectors (ISO 21924-9:2020)

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

HRN EN ISO 11063:2020 en pr
Kvaliteta tla – Direktna ekstrakcija DNK iz uzoraka tla (ISO 11063:2020; EN ISO 11063:2020)
Soil quality – Direct extraction of soil DNA (ISO 11063:2020; EN ISO 11063:2020)

HZN/TO E2, Rotacijski strojevi

HRN EN 60034-18-42:2017/A1:2020 en pr
Rotacijski električni strojevi – Dio 18-42: Električni sustavi izolacije otporni na parcijalna izbijanja (tip II), koji se upotrebljavaju u rotacijskim električnim strojevima napajanim iz pretvarača napona – Kvalifikacijska ispitivanja (IEC 60034-18-42:2017/am1:2020; EN 60034-18-42:2017/A1:2020)
Rotating electrical machines – Part 18-42: Partial discharge resistant electrical insulation systems (Type II) used in rotating electrical machines fed from voltage converters – Qualification tests (IEC 60034-18-42:2017/am1:2020; EN 60034-18-42:2017/A1:2020)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 50546:2020 en pr
Željeznički sustav – Željeznička vozila – Trofazni vanjski sustav napajanja za željeznička vozila i njegovi priključci (EN 50546:2020)
Railway applications – Rolling Stock – Three-phase shore (external) supply system for rail vehicles and its connectors (EN 50546:2020)

HZN/TO E14, Energetski transformatori

HRN EN IEC 60076-24:2020 en pr
Energetski transformatori – 24. dio: Specifikacija distribucijskih transformatora s regulacijom napona (VRDT) (IEC 60076-24:2020; EN IEC 60076-24:2020)
Power transformers – Part 24: Specification of voltage regulating distribution transformers (VRDT) (IEC 60076-24:2020; EN IEC 60076-24:2020)

HZN/TO E20, Električni kabeli

HRN EN IEC 60332-3-10:2018/A11:2020 en pr
Ispitivanje električnih i svjetlovodnih kabela pod djelovanjem vatre – Dio 3-10: Ispitivanje na uspravno širenje plamena na snopu uspravno položenih vodova ili kabela – Ispitni uređaji (EN IEC 60332-3-10:2018/A11:2020)
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 (EN IEC 60332-3-10:2018/A11:2020)

HZN/TO E23, Električni instalacijski pribor

HRN EN 50520:2020 en pr
Pokrovne ploče i pokrovne trake za zaštitu i upozoravanje na položaj ukopanih kabela ili ukopanih cijevi u podzemnim instalacijama (EN 50520:2020)
Cover plates and cover tapes for the protection and location warning of buried cables or buried conduits in underground installations (EN 50520:2020)

HZN/TO E36, Izolatori

HRN EN IEC 60120:2020 en pr
Spojevi batić-zdjelica za izolatore u izolatorskom lancu – Dimenzije (IEC 60120:2020; EN IEC 60120:2020)
Ball and socket couplings of string insulator units – Dimensions (IEC 60120:2020; EN IEC 60120:2020)

HRN EN IEC 60372:2020 en pr
Uređaji za osiguranje spoja batić-zdjelica za izolatore u izolatorskom lancu – Dimenzije i ispitivanja (IEC 60372:2020; EN IEC 60372:2020)
Locking devices for ball and socket couplings of string insulator units – Dimensions and tests (IEC 60372:2020; EN IEC 60372:2020)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN 61850-7-1:2014/A1:2020 en pr
Komunikacijske mreže i sustavi za automatizaciju u elektroprivredi – Dio 7-1: Osnovna komunikacijska struktura – Načela i modeli (IEC 61850-7-1:2011/am1:2020; EN 61850-7-1:2011/A1:2020)
Communication networks and systems for power utility automation – Part 7-1: Basic communication structure – Principles and models (IEC 61850-7-1:2011/am1:2020; EN 61850-7-1:2011/A1:2020)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

HRN EN IEC 60335-2-43:2020 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-43: Posebni zahtjevi za sušilice odjeće i ručnika (IEC 60335-2-43:2017; EN IEC 60335-2-43:2020)
Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (IEC 60335-2-43:2017; EN IEC 60335-2-43:2020)

HRN EN IEC 60335-2-43:2020/A11:2020 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-43: Posebni zahtjevi za sušilice odjeće i ručnika (EN IEC 60335-2-43:2020/A11:2020)
Household and similar electrical appliances – Safety – Part 2-43: Particular requirements for clothes dryers and towel rails (EN IEC 60335-2-43:2020/A11:2020)

HRN EN 60335-2-5:2015/A1:2020 en pr
Kućanski i slični električni aparati – Sigurnost – Dio 2-5: Posebni zahtjevi za perilice posuđa (IEC 60335-2-5:2012/am1:2018; EN 60335-2-5:2015/A1:2020)
Household and similar electrical appliances – Safety – Part 2-5: Particular requirements for dishwashers (IEC 60335-2-5:2012/am1:2018; EN 60335-2-5:2015/A1:2020)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN 60601-1-9:2008/A2:2020 en pr
Medicinska električna oprema – Dio 1-9: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za oblikovanje s brigom za zaštitu okoliša (IEC 60601-1-9:2007/am2:2020; EN 60601-1-9:2008/A2:2020)
Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design (IEC 60601-1-9:2007/am2:2020; EN 60601-1-9:2008/A2:2020)

HRN EN IEC 60601-2-20:2020 en pr
Medicinska električna oprema – Dio 2-20: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke prijevornih inkubatora za novorođenčad (IEC 60601-2-20:2020; EN IEC 60601-2-20:2020)
Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators (IEC 60601-2-20:2020; EN IEC 60601-2-20:2020)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

HRN EN IEC 60601-2-22:2020 en pr
Medicinska električna oprema – Dio 2-22: Posebni zahtjevi za temeljnu sigurnost i nužne značajke kirurške, kozmetičke, terapijske i dijagnostičke laserske opreme (IEC 60601-2-22:2019; EN IEC 60601-2-22:2020)
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; EN IEC 60601-2-22:2020)

HZN/TO E81, Zaštita od munje

HRN EN IEC 62793:2020 en pr
Sustav upozorenja na grmljavinske oluje – Zaštita od munje (IEC 62793:2020; EN IEC 62793:2020)
Thunderstorm warning systems – Protection against lightning (IEC 62793:2020; EN IEC 62793:2020)

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

HRN EN 60268-7:2012/A1:2020 en pr
Oprema audiosustava – 7. dio: Naglavne i ušne slušalice (IEC 60268-7:2010/am1:2020; EN 60268-7:2011/A1:2020)
Sound system equipment – Part 7: Headphones and earphones (IEC 60268-7:2010/am1:2020; EN 60268-7:2011/A1:2020)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

HRN EN IEC 61000-4-3:2020 en pr
Elektromagnetska kompatibilnost (EMC) – Dio 4-3: Ispitne i mjerne tehnike – Ispitivanje otpornosti na zračena radiofrekvencijska elektromagnetska polja (IEC 61000-4-3:2020; EN IEC 61000-4-3:2020)
Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2020; EN IEC 61000-4-3:2020)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 019-2-3 V2.5.1:2020 en pr
Tehnologija za zaštitu okoliša (EE) – Okolišni uvjeti i ispitivanja za telekomunikacijsku opremu – Dio 2-3: Specifikacija testova okoliša – Stacionarna primjena na vremenski zaštićenim lokacijama (EN 300 019-2-3 V2.5.1:2020)
Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment – Part 2-3: Specification of environmental tests – Stationary use at weatherprotected locations (EN 300 019-2-3 V2.5.1:2020)

HRN EN 301 489-17 V3.2.4:2020 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 17. dio: Posebni uvjeti za širokopoljne sustave prijenosa podataka – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-17 V3.2.4:2020)
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband Data Transmission Systems – Harmonised Standard for ElectroMagnetic Compatibility (EN 301 489-17 V3.2.4:2020)

HRN EN 301 489-22 V2.1.1:2020 en pr
Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 22. dio: Posebni uvjeti za zrakoplovnu pokretnu i nepokretnu radijsku opremu koja je na tlu – Harmonizirana norma za elektromagnetsku kompatibilnost (EN 301 489-22 V2.1.1:2020)
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 (EN 301 489-22 V2.1.1:2020)

HRN EN 302 609 V2.2.1:2020 en pr
Uređaji kratkoga dometa (SRD) – Radijska oprema za komunikacijske sustave europetlje – Harmonizirana norma za pristup radijskom spektru (EN 302 609 V2.2.1:2020)
Short Range Devices (SRD) – Radio equipment for Euroloop communication systems – Harmonised Standard for access to radio spectrum (EN 302 609 V2.2.1:2020)

HRN EN 302 890-2 V2.1.1:2020 en pr
Inteligentni transportni sustavi (ITS) – Funkcija sloja objekata – 2. dio: Prostorno i vremensko upravljanje (PoT) – 2. izdanje (EN 302 890-2 V2.1.1:2020)
Intelligent Transport Systems (ITS) – Facilities Layer function – Part 2: Position and Time management (PoTi) – Release 2 (EN 302 890-2 V2.1.1:2020)

HRN EN 303 213-4-1 V2.1.1:2020 en pr
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 4. dio: Specifikacija Zajednice za instalirani nekooperativni senzor s njegovim sučeljima – 1. poddio: Generički zahtjevi za nekooperativni senzor (EN 303 213-4-1 V2.1.1:2020)
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces – Sub-part 1: Generic requirements for non-cooperative sensor (EN 303 213-4-1 V2.1.1:2020)

HRN EN 303 213-4-2 V2.1.1:2020 en pr
Napredni sustav za vođenje i kontrolu gibanja po površini (A-SMGCS) – 4. dio: Specifikacija Zajednice za instalirani nekooperativni senzor s njegovim sučeljima – 2. poddio: Specifični zahtjevi za instalirani senzor radara za detekciju gibanja po površini (EN 303 213-4-2 V2.1.1:2020)
Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces – Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor (EN 303 213-4-2 V2.1.1:2020)

HRN EN 303 340 V1.2.1:2020 en pr
Digitalni terestrijalni televizijski radiodifuzni prijamnici – Harmonizirana norma za pristup radijskom spektru (EN 303 340 V1.2.1:2020)
Digital Terrestrial TV Broadcast Receivers – Harmonised Standard for access to radio spectrum (EN 303 340 V1.2.1:2020)

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

HRN EN ISO 473:2020 en pr
Litoponi pigmenti – Opći zahtjevi i metode ispitivanja (ISO 473:2019; EN ISO 473:2020)
Lithopone pigments – General requirements and methods of testing (ISO 473:2019; EN ISO 473:2020)

HRN EN ISO 787-28:2020 en pr
Opće metode ispitivanja pigmentata i punila – 28. dio: Određivanje ukupnog sadržaja polikloriranih bifenila (PCB) otapanjem, čišćenjem i GC-MS-om/plinskom kromatografijom (ISO 787-28:2019; EN ISO 787-28:2020)
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; EN ISO 787-28:2020)

HRN EN ISO 8501-4:2020 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Vizualna procjena čistoće površine – 4. dio: Početno stanje površine, stupanj pripreme i vidljivi stupanj hrđe nakon primjene vodenog mlaza (ISO 8501-4:2020; EN ISO 8501-4:2020)
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; EN ISO 8501-4:2020)

HRN EN ISO 11127-4:2020 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 4. dio: Ocjena tvrdoće ispitivanjem s pomoću stakla (ISO 11127-4:2020; EN ISO 11127-4:2020)
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; EN ISO 11127-4:2020)

HRN EN ISO/ASTM 52903-2:2020 en pr
Aditivna proizvodnja – Aditivna proizvodnja plastičnih materijala na bazi ekstruzije materijala – 2. dio: Oprema za obradu (ISO/ASTM 52903-2:2020; EN ISO/ASTM 52903-2:2020)
Additive manufacturing – Material extrusion based additive manufacturing of plastic materials – Part 2: Process equipment (ISO/ASTM 52903-2:2020; EN ISO/ASTM 52903-2:2020)

HZN/TU N1, Nemetalni materijali 1

HRN EN 993-10:2020 en pr
Metode ispitivanja neprozirnih vatrostalnih proizvoda – 10. dio: Određivanje trajne promjene dimenzija pri zagrijavanju (EN 993-10:2020)
Methods of test for dense shaped refractory products – Part 10: Determination of permanent change in dimensions on heating (EN 993-10:2020)

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

HRN EN ISO 17730:2020 en pr
Stomatologija – Fluoridni lakovi (ISO 17730:2020; EN ISO 17730:2020)
Dentistry – Fluoride varnishes (ISO 17730:2020; EN ISO 17730:2020)

HRN EN ISO 23402-1:2020 en pr
Stomatologija – Prijenosna stomatološka oprema za primjenu u privremenim okruženjima zdravstvene skrbi – 1. dio: Opći zahtjevi (ISO 23402-1:2020; EN ISO 23402-1:2020)
Dentistry – Portable dental equipment for use in non-permanent healthcare environment – Part 1: General requirements (ISO 23402-1:2020; EN ISO 23402-1:2020)

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

HRN EN 6057:2020 en pr
Zrakolovstvo – Kraj šipke s ležajem prema normi EN 4265 izrađeni od čelika otpornog na koroziju, sa strukom s unutrašnjim navojem – Dimenzije i opterećenja, nizovi u inčima (EN 6057:2020)
Aerospace series – Rod-end with bearing EN 4265 in corrosion resisting steel, internal threaded shank – Dimensions and loads, Inch series (EN 6057:2020)

HRN EN 12312-7:2020 en pr
Oprema za zemaljsku podršku zrakoplova – Posebni zahtjevi – 7. dio: Oprema za pomicanje zrakoplova (EN 12312-7:2020)
Aircraft ground support equipment – Specific requirements – Part 7: Aircraft movement equipment (EN 12312-7:2020)

HRN EN 17128:2020 en pr
Laka motorna vozila za prijevoz osoba i tereta, koja nisu predmet odobranja tipa, za upotrebu na prometnicama i povezana oprema – Laka osobna električna vozila (PLEV) – Zahtjevi i metode ispitivanja (EN 17128:2020)
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 (EN 17128:2020)

HZN/TU V1, *Elektronika 1*

HRN EN IEC 60749-15:2020 en pr
Poluvodičke komponente – Metode za mehanička i klimatska ispitivanja – 15. dio: Otpornost elemenata za ugradnju kroz otvor na temperaturu lemljenja (IEC 60749-15:2020; EN IEC 60749-15:2020)
Semiconductor devices – Mechanical and climatic test methods – Part 15: Resistance to soldering temperature for through-hole mounted devices (IEC 60749-15:2020; EN IEC 60749-15:2020)

HRN EN IEC 60749-30:2020 en pr
Poluvodičke komponente – Metode za mehanička i klimatska ispitivanja – 30. dio: Kondicioniranje nehermetičkih elemenata za površinsku ugradnju prije ispitivanja pouzdanosti (IEC 60749-30:2020; EN IEC 60749-30:2020)
Semiconductor devices – Mechanical and climatic test methods – Part 30: Preconditioning of non-hermetic surface mount devices prior to reliability testing (IEC 60749-30:2020; EN IEC 60749-30:2020)

HRN EN IEC 61076-2-114:2020 en pr
Konektori za električnu i elektroničku opremu – Zahtjevi za proizvod – Dio 2-114: Kružni konektori – Detaljne specifikacije za konektore s M8 vijčanim zaključavanjem s kontaktima za napajanje i signalnim kontaktima za prijenos podataka do 100 MHz (IEC 61076-2-114:2020; EN IEC 61076-2-114:2020)
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; EN IEC 61076-2-114:2020)

HRN EN IEC 61290-1-1:2020 en pr
Optička pojačala – Metode ispitivanja – Dio 1-1: Parametri snage i pojačanja – Metoda optičkog analizatora spektra (IEC 61290-1-1:2020; EN IEC 61290-1-1:2020)
Optical amplifiers – Test methods – Part 1-1: Power and gain parameters – Optical spectrum analyzer method (IEC 61290-1-1:2020; EN IEC 61290-1-1:2020)

HRN EN IEC 61300-2-56:2020 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Osnovni postupci ispitivanja i mjerenja – Dio 2-56: Ispitivanja – Otpornost ugradbenih kućišta na vjetar (IEC 61300-2-56:2020; EN IEC 61300-2-56:2020)
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; EN IEC 61300-2-56:2020)

HRN EN IEC 61753-071-02:2020 en pr
Svjetlovodni uređaji za međusobno spajanje i pasivne komponente – Izvedbena norma – Dio 071-02: Jednomodni svjetlovodni prostorni prekidači 1 x 2 i 2 x 2 koji nisu opremljeni konektorima za kategoriju C – Kontrolirano okruženje (IEC 61753-071-02:2020; EN IEC 61753-071-02:2020)
Fibre optic interconnecting devices and passive components – Performance standard – Part 071-02: Non-connectorized single-mode fibre optic 1 x 2 and 2 x 2 spatial switches for category C – Controlled environments (IEC 61753-071-02:2020; EN IEC 61753-071-02:2020)

HZN/TU W1, *Energetska elektrotehnika 1*

HRN EN IEC 62841-2-6:2020 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-6: Posebni zahtjevi za ručne čekiče (IEC 62841-2-6:2020; EN IEC 62841-2-6:2020)
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; EN IEC 62841-2-6:2020)

HRN EN IEC 62841-2-6:2020/A11:2020 en pr
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 2-6: Posebni zahtjevi za ručne čekiče (EN IEC 62841-2-6:2020/A11:2020)
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 2-6: Particular requirements for hand-held hammers (EN IEC 62841-2-6:2020/A11:2020)

1.2 Nacrti hrvatskih norma

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o nacrtima hrvatskih norma (oznaka nHRN). Pisane primjedbe na nacrt hrvatskih norma dostavljaju se Hrvatskom zavodu za norme (uz naznaku tehničkog odbora i referencijsku oznaku nacrt hrvatske norme) u roku od 30 dana od dana objave rasprave u službenom glasilu Hrvatskoga zavoda za norme (HZN e-glasilo).

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

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

nHRN EN 13031-1:2020/NA hr izv
Staklenici – Projektiranje i izgradnja – 1. dio: Staklenici za komercijalnu proizvodnju – Nacionalni dodatak
Greenhouses – Design and construction – Part 1: Commercial production greenhouses – National Annex

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

Temeljem Zakona o normizaciji (Narodne novine 80/2013) Hrvatski zavod za norme na prijedlog tehničkih odbora objavljuje raspravu o prijedlogu za prihvaćanje stranih norma (međunarodnih, europskih i njemačkih norma) kao hrvatskih norma.

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

HZN/TO 6, *Papir, karton i pulpe*

prEN 17600 en
Paper and board intended to come into contact with foodstuffs – Determination of the fastness of fluorescent whitened paper and board – Analysis by high-performance liquid chromatography with fluorescence detection

HZN/TO 8, *Brodogradnja*

prEN ISO 21487 en
Small craft – Permanently installed petrol and diesel fuel tanks (ISO/DIS 21487:2020)
Mala plovila – Trajno ugrađeni spremnici za benzinsko i dizelsko gorivo (ISO/DIS 21487:2020)

HZN/TO 21, Protupožarna i vatrogasna oprema

- prEN 12094-8 en
Fixed firefighting systems – Components for gas extinguishing systems – Part 8: Requirements and test methods for connectors
Stabilni protupožarni sustavi – Dijelovi sustava za gašenje plinom – 8. dio: Zahtjevi i metode ispitivanja za spojnice
- FprCEN/TS 17551 en
Fixed firefighting systems – Automatic sprinkler systems – Guidance for earthquake bracing
Stabilni protupožarni sustavi – Automatski sustavi za prskanje (sprinkler sustavi) – Upute za protupotresno učvršćivanje

HZN/TO 37, Terminologija

- prEN ISO 22259 en
Conference systems – Equipment – Requirements (ISO 22259:2019)
Konferencijski sustavi – Oprema – Zahtjevi (ISO 22259:2019)
- ISO 24617-7:2020 en
Language resource management – Semantic annotation framework – Part 7: Spatial information
Upravljanje jezičnim resursima – Okvir za semantičko označivanje – 7. dio: Prostorni podaci
- ISO 29383:2020 en
Terminology policies – Development and implementation
Terminološke politike – Razvoj i primjena

HZN/TO 44, Zavarivanje i srodni postupci

- prEN ISO 10225 en
Gas welding equipment – Marking for equipment used for gas welding, cutting and allied processes (ISO 10225:2013)
Oprema za plinsko zavarivanje – Označivanje opreme koja se upotrebljava za plinsko zavarivanje, rezanje i srodne postupke (ISO 10225:2013)
- prEN ISO 22826 en
Destructive tests on welds in metallic materials – Hardness testing of narrow joints welded by laser and electron beam (Vickers and Knoop hardness tests) (ISO 22826:2005)
Razorna ispitivanja zavara na metalnim materijalima – Ispitivanje tvrdoće uskih spojeva zavarenih laserom i elektronskim snopom (ispitivanje tvrdoće prema Vickersu i Knoopu) (ISO 22826:2005)

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

- ISO 8:2019 en
Information and documentation – Presentation and identification of periodicals
Informacije i dokumentacija – Oblikovanje i identifikacija periodičkih publikacija
- ISO 15836-2:2019 en
Information and documentation – The Dublin Core metadata element set – Part 2: DCMI Properties and classes
Informacije i dokumentacija – Skup elemenata metapodataka Dublin core – 2. dio: DCMI Svojstva i razredi
- ISO 30300:2020 en
Information and documentation – Records management – Core concepts and vocabulary
Informacije i dokumentacija – Upravljanje zapisima – Osnovni pojmovi i terminološki rječnik

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

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

HZN/TO 92, Zaštita od požara

- prEN 15269-3 en
Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 3: Fire resistance of hinged and pivoted timber doorsets and openable timber framed windows
Proširena primjena rezultata ispitivanja otpornosti na požar i/ili dimopropusnosti vrata, zaslona i prozora koji se mogu otvarati, uključujući pripadajući okov – 3. dio: Otpornost na požar zaokretnih drvenih vrata i prozora s drvenim okvirima koji se mogu otvarati

HZN/TO 121, Anestetička i respiracijska oprema

- prEN ISO 80601-2-74 en
Medical electrical equipment – Part 2-74: Particular requirements for basic safety and essential performance of respiratory humidifying equipment (ISO/DIS 80601-2-74:2020)
Medicinska električna oprema – Dio 2-74: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke ovlaživača za opremu za disanje (ISO/DIS 80601-2-74:2020)
- prEN ISO 80601-2-90 en
Medical electrical equipment – Part 2-90: Particular requirements for basic safety and essential performance of ventilatory high-flow therapy equipment (ISO/DIS 80601-2-90:2020)
Medicinska električna oprema – Dio 2-90: Posebni zahtjevi za osnovnu sigurnost i bitne radne značajke opreme za terapiju ventilacijom visokog protoka (ISO/DIS 80601-2-90:2020)

HZN/TO 146, Kvaliteta zraka

- ISO 4225:2020 en
Air quality – General aspects – Vocabulary
Kvaliteta zraka – Opći aspekti – Rječnik
- ISO 12039:2019 en
Stationary source emissions – Determination of the mass concentration of carbon monoxide, carbon dioxide and oxygen in flue gas – Performance characteristics of automated measuring systems
Emisije iz nepokretnih izvora – Određivanje masene koncentracije ugljikova monoksida, ugljikova dioksida i kisika u otpadnom plinu – Radne značajke automatskih mjernih sustava

HZN/TO 147, Kvaliteta vode

- ISO 5667-10:2020 en
Water quality – Sampling – Part 10: Guidance on sampling of waste water
Kvaliteta vode – Uzorkovanje – 10. dio: Smjernice za uzorkovanje otpadnih voda
- ISO 13166:2020 en
Water quality – Uranium isotopes – Test method using alpha-spectrometry
Kvaliteta vode – Izotopi urana – Metoda ispitivanja s upotrebom alfa-spektrometrije

HZN/TO 159, Ergonomija

- prEN ISO 8996 en
Ergonomics of the thermal environment – Determination of metabolic rate (ISO/DIS 8996:2020)
Ergonomija toplinskog okoliša – Određivanje metaboličkog ritma (ISO/DIS 8996:2020)
- prEN 17558 en
Ergonomics – Ergonomics of PPE ensembles
Ergonomija – Ergonomija kompleta osobne zaštitne opreme

HZN/TO 172, Optika i optički instrumenti

- prEN ISO 15253 en
Ophthalmic optics and instruments – Optical and electro-optical devices for enhancing low vision (ISO/DIS 15253:2020)
Oftalmološka optika i instrumenti – Optička i elektro-optička sredstva za pojačavanje slabog vida (ISO/DIS 15253:2020)

HZN/TO 504, Korozija i zaštita metala i legura

prEN ISO 4524-3 en
Metallic coatings – Test methods for electrodeposited gold and gold alloy coatings – Part 3: Electrographic tests for porosity (ISO/DIS 4524-3:2020)
Metalne prevlake – Metode ispitivanja elektronanesenih prevlaka zlata i zlatnih legura – 3. dio: Elektrografičko ispitivanje poroznosti (ISO/DIS 4524-3:2020)

prEN ISO 24656 en
Cathodic protection of offshore wind structures (ISO/DIS 24656:2020)
Katodna zaštita odobalnih konstrukcija vjetroelektrana (ISO/DIS 24656:2020)

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

prEN ISO 13703-3 en
Petroleum and natural gas industries – Piping systems on offshore production platforms and onshore plants – Part 3: Fabrication (ISO/DIS 13703-3:2020)
Industrija nafte i prirodnoga plina – Cjevovodi odobalnih proizvodnih platformi i kopnenih postrojenja – 3. dio: Proizvodnja (ISO/DIS 13703-3:2020)

HZN/TO 508, Ambalaža i pakiranje

prEN 14854 en
Glass packaging – Dimensions of neck finishes for aerosol and spray glass containers

HZN/TO 513, Mjerne jedinice i mjerila

prEN ISO 772 en
Hydrometry – Vocabulary and symbols (ISO/DIS 772:2020)
Hidrometrija – Terminološki rječnik i simboli (ISO/DIS 772:2020)

HZN/TO 515, Žičare, uspinjače i vučnice

EN 12929-1:2015/prA1 en
Safety requirements for cableway installations designed to carry persons – General requirements – Part 1: Requirements for all installations
Sigurnosni zahtjevi za žičare za prijevoz osoba – Opći zahtjevi – 1. dio: Zahtjevi za sva postrojenja

EN 13223:2015/prA1 en
Safety requirements for cableway installations designed to carry persons – Drive systems and other technical requirements

HZN/TO 517, Posebne vrste konstrukcija

prEN 74-1 en
Couplers, spigot pins and baseplates for use in falsework and scaffolds – Part 1: Couplers for tubes – Requirements and test procedures
Spojnice, umetci i ležajne ploče za potporne i radne skele – 1. dio: Spojnice za cijevi – Zahtjevi i postupci ispitivanja

prEN 74-2 en
Couplers, spigot pins and baseplates for use in falsework and scaffolds – Part 2: Special couplers – Requirements and test procedures
Spojnice, umetci i ležajne ploče za potporne i radne skele – 2. dio: Posebne spojnice – Zahtjevi i postupci ispitivanja

HZN/TO 524, Inteligentni transportni sustavi

prEN ISO 12855 en
Electronic fee collection – Information exchange between service provision and toll charging (ISO/DIS 12855:2020)
Elektronička naplata – Razmjena informacija između pružanja usluge i naplate cestarine (ISO/DIS 12855:2020)

prEN 16062 en
Intelligent transport systems – ESafety – eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks (2020)
Inteligentni transportni sustavi – Elektronička sigurnost – Zahtjevi više razine koji se odnose na aplikacije za hitne elektroničke pozive iz vozila (HLAP) uporabom GSM/UMTS mreža (2020)

prEN 16072 en
Intelligent transport systems – ESafety – Pan-European eCall operating requirements
Inteligentni transportni sustavi – Elektronička sigurnost – Paneuropski operativni zahtjevi za hitne elektroničke pozive iz vozila

HZN/TO 528, Oprema za željeznice

prEN 14067-5 en
Railway applications – Aerodynamics – Part 5: Requirements and assessment procedures for aerodynamics in tunnels

prEN 15085-5 en
Railway applications – Welding of railway vehicles and components – Part 5: Inspection, testing and documentation
Railway applications – Welding of railway vehicles and components – Part 5: Inspection, testing and documentation

HZN/TO 534, Spremnici za teret

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

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

prEN ISO 25178-700 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 700: Calibration, adjustment and verification of areal topography measuring instruments (ISO/DIS 25178-700:2020)
Geometrijske specifikacije proizvoda (GSP) – Tekstura površine: Ploštinska – 700. dio: Umjeravanje, postavljanje i provjera ploštinsko-topografskih mjernih uređaja (ISO/DIS 25178-700:2020)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

prEN 14885 en
Chemical disinfectants and antiseptics – Application of European Standards for chemical disinfectants and antiseptics
Kemijski dezinficijensi i antiseptici – Primjena europskih norma za kemijske dezinficijense i antiseptike

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

prEN ISO 29461-1 en
Air intake filter systems for rotary machinery – Test methods – Part 1: Static filter elements (ISO/DIS 29461-1:2020)
Filtarski sustavi na usisu zraka za rotacijske strojeve – Metode ispitivanja – 1. dio: Nepokretni filtarski elementi (ISO/DIS 29461-1:2020)

HZN/TO 551, Gradnja

prEN 15942 en
Sustainability of construction works – Environmental product declarations – Communication format business-to-business
Održivost građevina – Izjava zaštite okoliša – Oblik komunikacije među poduzećima

HZN/TO 555, Medicinski proizvodi

prEN ISO 11138-8 en
Sterilization of health care products – Biological indicators – Part 8: Method for validation of a reduced incubation time for a biological indicator (ISO/DIS 11138-8:2020)
Sterilizacija medicinskih proizvoda – Biološki indikatori – 8. dio: Metoda validacije smanjenog vremena inkubacije za biološki indikator (ISO/DIS 11138-8:2020)

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

prEN 14427 en
LPG equipment and accessories – Transportable refillable composite cylinders for LPG – Design and construction
Oprema i pribor za UNP – Prenosive, ponovno punjive kompozitne boce za UNP – Projektiranje i izrada

prEN 17613 en

LPG equipment and accessories – Composite piping for use with LPG in liquid phase and vapour pressure phase – Design and manufacture
Oprema i pribor za UNP – Kompozitni cjevovodi za upotrebu s UNP u tekućoj i parnoj fazi pod tlakom – Projektiranje i proizvodnja

HZN/TO E2, Rotacijski strojevi

prEN IEC 60034-18-1:2020 en

Rotating electrical machines – Part 18-1: Functional evaluation of insulation systems – General guidelines (IEC 60034-18-1:202X)
Rotacijski električni strojevi – Dio 18-1: Procjena funkcionalnosti izolacijskih sustava – Opće smjernice (IEC 60034-18-1:202X)

prEN IEC 60034-18-32:2020 en

Rotating electrical machines – Part 18-32: Functional evaluation of insulation systems – Electrical endurance qualification procedures for form-wound windings (IEC 60034-18-32:202X)
Rotacijski električni strojevi – Dio 18-32: Procjena funkcionalnosti izolacijskih sustava – Postupci kvalifikacije električne izdržljivosti za oblikovane namote (IEC 60034-18-32:202X)

HZN/TO E8, Sustavski vidovi opskrbe električnom energijom

EN IEC 60038:2011/prA1:2020 {fragment 2} en

Standard voltages for AC supply and AC equipment (Proposed horizontal standard) (IEC 60038:2009/am1:202X {frag 2})
Standardni naponi za izmjenični izvor i opremu za izmjeničnu struju (IEC 60038:2009/am1:202X {frag 2})

EN IEC 60038:2011/prA1:2020 {fragment 3} en

Standard voltages for DC and AC traction systems (Proposed horizontal standard) (IEC 60038:2009/am1:202X {frag 3})
Standardni naponi za istosmjernu i izmjenične sustave vuče (IEC 60038:2009/am1:202X {frag 3})

HZN/TO E17, Sklopni i upravljački uređaji

FprEN IEC 60947-5-8:2020 en

Low-voltage switchgear and controlgear – Part 5-8: Control circuit devices and switching elements – Three-position enabling switches (IEC 60947-5-8:2020)
Niskonaponska sklopna aparatura – Dio 5-8: Aparati za upravljačke strujne krugove i sklopni elementi – Tipkalo s tri slijedna položaja (IEC 60947-5-8:2020)

EN 62271-1:2017/prA1:2020 en

High-voltage switchgear and controlgear – Part 1: Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017/am1:202X)
Visokonaponska sklopna aparatura – 1. dio: Zajedničke specifikacije za sklopne aparature izmjenične struje (IEC 62271-1:2017/am1:202X)

HZN/TO E22, Energetska elektronika

prEN IEC 62477-1:2020 en

Safety requirements for power electronic converter systems and equipment – Part 1: General (IEC 62477-1:202X)
Zahtjevi na sigurnost sustava elektroničkih energetske pretvarača i opreme – 1. dio: Općenito (IEC 62477-1:202X)

HZN/TO E23, Električni instalacijski pribor

prEN IEC 61914:2020 en

Cable cleats for electrical installations (IEC 61914:202X)
Kabelske objumice za električne instalacije (IEC 61914:202X)

HZN/TO E31, Eksplozivne atmosfere

FprEN IEC 60079-10-1:2020 en

Explosive atmospheres – Part 10-1: Classification of areas – Explosive gas atmospheres (IEC 60079-10-1:202X)
Eksplozivne atmosfere – Dio 10-1: Klasifikacija ugroženih prostora – Eksplozivne atmosfere plinova (IEC 60079-10-1:202X)

HZN/TO E55, Žice za namote

prEN IEC 60851-1:2020 en

Winding wires – Test methods – Part 1: General (IEC 60851-1:202X)
Žice za namote – Metode ispitivanja – 1. dio: Općenito (IEC 60851-1:202X)

HZN/TO E57, Upravljanje energetske sustavom i pridružene komunikacije

prEN IEC 61970-401:2020 en

Energy management system application program interface (EMS-API) – Part 401: Profile framework (IEC 61970-401:202X)

prEN IEC 61970-452:2020 en

Energy management system application program interface (EMS-API) – Part 452: CIM static transmission network model profiles (IEC 61970-452:202X)
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 452. dio: CIM profili za statički model prijenosne mreže (IEC 61970-452:202X)

prEN IEC 62488-3:2019 en

Power line communication systems for power utility applications – Part 3: Digital Power Line Carrier (DPLC) terminals and hybrid ADPLC terminals (IEC 62488-3:201X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

FprEN IEC 60335-2-23 en

Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care (IEC 60335-2-23:2016)
Kućanski i slični električni aparati – Sigurnost – Dio 2-23: Posebni zahtjevi aparata za njegu kože ili kose (IEC 60335-2-23:2016)

FprEN IEC 60335-2-23:2019/FprA11:2019 en

Household and similar electrical appliances – Safety – Part 2-23: Particular requirements for appliances for skin or hair care
Kućanski i slični električni aparati – Sigurnost – Dio 2-23: Posebni zahtjevi aparata za njegu kože ili kose

HZN/TO E62, Električna oprema u medicinskoj praksi

EN 60601-1-10:2008/FprA2:2020 en

Medical electrical equipment – Part 1-10: General requirements for basic safety and essential performance – Collateral Standard: Requirements for the development of physiologic closed-loop controllers (IEC 60601-1-10:2007/am2:2020)
Medicinska električna oprema – Dio 1-10: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za razvoj fizioloških kontrolera u zatvorenoj petlji (IEC 60601-1-10:2007/am2:2020)

EN 60601-1-11:2015/FprA1:2020 en

Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment (IEC 60601-1-11:2015/am1:2020)
Medicinska električna oprema – Dio 1-11: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zahtjevi za medicinsku električnu opremu i medicinske električne sustave za uporabu u kućnoj zdravstvenoj njezi (IEC 60601-1-11:2015/am1:2020)

EN 60601-1:2006/FprA2:2020 en

Medical electrical equipment – Part 1: General requirements for basic safety and essential performance (IEC 60601-1:2005/am2:2020)
Medicinska električna oprema – 1. dio: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke (IEC 60601-1:2005/am2:2020)

EN 60601-1-2:2015/FprA1:2020 en

Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests (IEC 60601-1-2:2014/am1:2020)
Medicinska električna oprema – Dio 1-2: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Elektromagnetske smetnje – Zahtjevi i ispitivanja (IEC 60601-1-2:2014/am1:2020)

EN 60601-1-6:2010/FprA2:2020 en
Medical electrical equipment – Part 1-6: General requirements for basic safety and essential performance – Collateral standard: Usability (IEC 60601-1-6:2010/am2:2020)
Medicinska električna oprema – Dio 1-6: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Upotrebljivost (IEC 60601-1-6:2010/am2:2020)

EN 60601-1-8:2007/FprA2:2020 en
Medical electrical equipment – Part 1-8: General requirements for basic safety and essential performance – Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical equipment and medical electrical systems (IEC 60601-1-8:2006/am2:2020)
Medicinska električna oprema – Dio 1-8: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Opći zahtjevi, ispitivanja i smjernice za alarmne sustave u medicinskoj električnoj opremi i medicinskim električnim sustavima (IEC 60601-1-8:2006/am2:2020)

prEN IEC 63073-1:2019 en
Dedicated Radionuclide Imaging Devices – Characteristics and Test Conditions – Part 1: Cardiac SPECT (IEC 63073-1:2020)
Namjenske radionuklidne naprave za snimanje – Značajke i uvjeti ispitivanja – 1. Dio: Srčani SPECT (IEC 63073-1:2020)

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

prEN IEC 62657-2:2020 en
Industrial communication networks – Wireless communication networks – Part 2: Coexistence management (IEC 62657-2:202X)
Industrijske komunikacijske mreže – Bežična komunikacijska mreža – 2. dio: Upravljanje koegzistencijom (IEC 62657-2:202X)

prEN IEC 62657-3:2020 en
Industrial communication networks – Wireless communication networks – Formal description of the automated coexistence management and application guidance (IEC 62657-3:202X)

prEN IEC 62657-4:2019 en
Industrial communication networks – Wireless communication networks – Part 4: Coexistence management with central coordination of wireless applications (IEC 62657-4:201X)

HZN/TO E69, Cestovna i industrijska električna vozila

prEN IEC 61851-23-1:2020 en
Electric vehicle conductive charging system – Part 23-1: DC electric vehicle charging station with an automated connection device (IEC 61851-23-1:202X)

FprEN IEC 61851-25:2020 en
Electric vehicle conductive charging system – Part 25: DC EV supply equipment where protection relies on electrical separation (IEC 61851-25:202X)

HZN/TO E72, Naprave za automatsko upravljanje u kućanstvu

prEN IEC 60730-1:2020 en
Automatic electrical controls – Part 1: General requirements (IEC 60730-1:202X)
Električne naprave za automatsko upravljanje – 1. dio: Opći zahtjevi (IEC 60730-1:202X)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

FprEN IEC 60825-2:2020 en
Safety of laser products – Part 2: Safety of optical fibre communication systems (OFCSs) (IEC 60825-2:202X)
Sigurnost laserskih proizvoda – 2. dio: Sigurnost komunikacijskih sustava s optičkim vlaknima (IEC 60825-2:202X)

HZN/TO E79, Alarmni sustavi

prEN 50695:2019 en
Public-address-general-emergency-alarm-system, communication-system for marine applications

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

prEN IEC 63173-1:2020 en
Maritime navigation and radiocommunication equipment and systems – Data Interface – Part 1: S-421 Route Plan Based on S-100 (IEC 63173-1:202X)
Pomorska navigacijska i radiokomunikacijska oprema i sustavi – Podatkovno sučelje – 1. dio: Plan plovidbene rute S-421 temeljen na S-100 (IEC 63173-1:202X)

HZN/TO E88, Vjetroagregati

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

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

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

prEN IEC 60728-115:2020 en
In-Building Optical systems for broadcast signal transmissions (TA 5) (IEC 60728-115:202X)

prEN IEC 63087-1:2020 en
Measurement method for assistive listening functionality (TA 16) (IEC 63087-1:202X)

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

prEN 60587:2020 en
Electrical insulating materials used under severe ambient conditions – Test methods for evaluating resistance to tracking and erosion (IEC 60587:202X)
Električni izolacijski materijali pod otežanim uvjetima – Metode ispitivanja za procjenu otpornosti na stvaranje puzajućih struja i eroziju (IEC 60587:202X)

prEN IEC 61857-41:2019 en
Electrical insulation systems – Procedures for thermal evaluation – Part 41: Specific requirements for electrical insulation systems for use in dry-type high-voltage transformers with operating voltages of 1kV and above (IEC 61857-41:201X)
Električni izolacijski sustavi – Postupci za procjenu toplinskih svojstava – 41. dio: Posebni zahtjevi na električki izolacijski sustav za korištenje u suhim visokonaponskim transformatorima radnog napona od 1kV i višeg (IEC 61857-41:201X)

HZN/TO E500, Elektromagnetska kompatibilnost u elektrotehnici i telekomunikacijama

EN IEC 55016-1-4:2019/prA2:2020 en
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements (CISPR 16-1-4:2019/am2:202X)
Specifikacija uređaja i metoda za mjerenja radiosmetnja i otpornosti – Dio 1-4: Uređaji za mjerenje radiosmetnja i otpornosti – Antene i ispitna mjesta za mjerenje zračenih smetnja (CISPR 16-1-4:2019/am2:202X)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 386 V2.2.0:2020 en
Telecommunication network equipment – Harmonised Standard for ElectroMagnetic Compatibility (EMC) requirements
Telekomunikacijska mrežna oprema – Harmonizirana norma za zahtjeve elektromagnetske kompatibilnosti (EMC)

Draft EN 302 326-2 V2.1.0:2020 en
Fixed Radio Systems – Multipoint Equipment and Antennas – Part 2: Harmonised Standard for access to radio spectrum
Nepokretni radijski sustavi – Oprema i antene u sustavu više točaka – 2. dio: Harmonizirana norma za pristup radijskom spektru

Draft EN 302 326-3 V2.1.0:2020 en
Fixed Radio Systems – Multipoint Equipment and Antennas
– Part 3: Multipoint Antennas
Nepokretni radijski sustavi – Oprema i antene u sustavu više
točaka – 3. dio: Antene u sustavu više točaka

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

prEN 17605 en
Algae, algae products and intermediates – Methods of
sampling and analysis – Sample treatment
Alge i proizvodi i međuproizvodi na bazi algi – Metode
uzorkovanja i analize – Obrada uzoraka

HZN/TU N1, Nemetalni materijali 1

prEN ISO 17562 en
Fine ceramics (advanced ceramics, advanced
technical ceramics) – Test method for linear thermal
expansion of monolithic ceramics by push-rod technique
(ISO 17562:2016)

prEN ISO 19628 en
Fine ceramics (advanced ceramics, advanced technical
ceramics) – Thermophysical properties of ceramic composites
– Determination of specific heat capacity (ISO 19628:2017)

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

prEN ISO 5832-3 en
Implants for surgery – Metallic materials – Part 3: Wrought
titanium 6-aluminium 4-vanadium alloy (ISO/DIS 5832-3:2020)
Kirurški implantati – Metalni materijali – 3. dio: Kovana
legura titana koja sadrži 6% aluminija i 4% vanadija
(ISO/DIS 5832-3:2020)

prEN ISO 28399 en
Dentistry – External tooth bleaching products
(ISO/FDIS 28399:2020)
Stomatologija – Proizvodi za vanjsko izbjeljivanje zuba
(ISO/FDIS 28399:2020)

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

FprEN 4641-301 en
Aerospace series – Cables, optical 125 µm diameter cladding
– Part 301: Tight structure 50/125 µm GI, fibre nominal
1,8 mm, outside diameter – Product standard

FprEN 4825 en
Aerospace series – Steel X12CrNiMoV12-3 (1.4938) – Air
melted and consumable electrode remelted – Hardened and
tempered – Bars – De ≤ 150 mm – 900 MPa ≤ Rm ≤ 1 100 MPa

prEN 4827 en
Aerospace series – Hexavalent chromium free anodizing of
aluminium and aluminium alloys
Zrakoplovstvo – Anodizacija aluminija i legura aluminija bez
šesterovalentnog kroma

prEN 16603-50 en
Space engineering – Communications
Svemirsko inženjerstvo – Komunikacije

HZN/TU U1, Opća elektrotehnika 1

prEN IEC 60404-11:2020 en
Magnetic materials – Part 11: Methods of measurement of the
surface insulation resistance of electrical steel strip and sheet
(IEC 60404-11:202X)
Magnetski materijali – 11. dio: Metode mjerenja
površinskog otpora izolacije električne čelične trake i lima
(IEC 60404-11:202X)

prEN IEC 60757:2020 en
Code for designation of colours (IEC 60757:202X)
Kod za određivanje boja (IEC 60757:202X)

prEN IEC 60974-1:2020 en
Arc welding equipment – Part 1: Welding power sources
(IEC 60974-1:202X)
Oprema za elektrolyčno zavarivanje – 1. dio: Izvori napajanja
za zavarivanje (IEC 60974-1:202X)

prEN IEC 60974-8:2020 en
Arc welding equipment – Part 8: Gas consoles for welding
and plasma cutting systems (IEC 60974-8:202X)
Oprema za elektrolyčno zavarivanje – 8. dio: Konzole za sustave
plinskog zavarivanja i rezanja plazmom (IEC 60974-8:202X)

prEN IEC 60974-11:2020 en
Arc welding equipment – Part 11: Electrode holders
(IEC 60974-11:202X)
Oprema za elektrolyčno zavarivanje – 11. dio: Držači elektroda
(IEC 60974-11:202X)

prEN IEC 60974-13:2020 en
Arc welding equipment – Part 13: Welding clamp
(IEC 60974-13:202X)
Oprema za elektrolyčno zavarivanje – 13. dio: Stezaljka za
masu (IEC 60974-13:202X)

prEN IEC 62321-3-2:2020 en
Determination of certain substances in electrotechnical
products – Part 3-2: Screening – Fluorine, chlorine and
bromine in polymers and electronics by combustion-ion
chromatography (C-IC) (IEC 62321-3-2:2020)
Utvrđivanje određenih supstanci u elektrotehničkim
proizvodima – Dio 3-2: Provjera – Fluor, klor i brom u
polimerima i elektronici pomoću izgaranja uz ion
kromatografiju (C-IC) (IEC 62321-3-2:2020)

prEN IEC 62321-10:2020 en
Determination of certain substances in electrotechnical
products – Part 10: Polycyclic aromatic hydrocarbons (PAHs)
in polymers and electronics by gas chromatography-mass
spectrometry (GC-MS) (IEC 62321-10:2020)
Utvrđivanje određenih supstanci u elektrotehničkim
proizvodima – 10. dio: Policiklički aromatski ugljikovodici
(PAHs) u polimerima i elektronici plinskom kromatografijom
sa masenom spektrometrijom (GC-MS) (IEC 62321-10:2020)

HZN/TU V1, Elektronika 1

EN IEC 60286-1:2017/prA1:2020 en
Packaging of components for automatic handling – Part 1:
Tape packaging of components with axial leads on continuous
tapes (IEC 60286-1:2017/am1:202X)

prEN IEC 60384-1:2020 en
Fixed capacitors for use in electronic equipment – Part 1:
Generic specification (IEC 60384-1:202X)

prEN IEC 60384-24:2020 en
Fixed capacitors for use in electronic equipment – Part 24:
Sectional specification – Fixed tantalum electrolytic surface
mount capacitors with conductive polymer solid electrolyte
(IEC 60384-24:202X)

prEN IEC 60384-25:2020 en
Fixed capacitors for use in electronic equipment – Part 25:
Sectional specification: Fixed aluminium electrolytic surface
mount capacitors with conductive polymer solid electrolyte
(IEC 60384-25:202X)

EN IEC 60747-17:2020 en
Semiconductor devices – Part 17: Magnetic and capacitive
coupler for basic and reinforced insulation (IEC 60747-17:2020)

EN IEC 60749-20:2020 en
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)

prEN IEC 60749-37:2020 en
Semiconductor devices – Mechanical and climatic test
methods – Part 37: Board level drop test method using an
accelerometer (IEC 60749-37:202X)

prEN IEC 60749-39:2020 en
Semiconductor devices – Mechanical and climatic test
methods – Part 39: Measurement of moisture diffusivity and
water solubility in organic materials used for semiconductor
components (IEC 60749-39:202X)

prEN IEC 60793-2-40:2019 en
Optical fibres – Part 2-40: Product specifications
– Sectional specification for category A4 multimode fibres
(IEC 60793-2-40:201X)

prEN IEC 60794-1-219:2020 en
Optical fibre cables – Part 1-219: Generic specification – Basic optical cable test procedures – Material compatibility test, Method F19 (IEC 60794-1-219:202X)

prEN IEC 60794-1-401:2020 en
Optical fibre cables – Basic optical cable test procedures – Part 401: Electrical test methods – Short-circuit test (for OPGW, OPAC and OPAC), Method H1 (IEC 60794-1-401:202X)

prEN IEC 60794-1-402:2020 en
Optical Fibre Cables – Basic optical cable test procedures – Part 402: Electrical test methods – Lightning test (for OPGW, OPAC and OPAC), Method H2 (IEC 60794-1-402:202X)

prEN IEC 60794-1-403:2020 en
Optical Fibre Cables – Basic optical cable test procedures – Part 403: Electrical test methods – Electrical continuity test of cable metallic elements, Method H3 (IEC 60794-1-403:202X)

prEN IEC 60938-1:2020 en
Fixed inductors for electromagnetic interference suppression – Part 1: Generic specification (IEC 60938-1:202X)

prEN IEC 60938-2:2020 en
Fixed inductors for electromagnetic interference suppression – Part 2: Sectional specification on Power Line Chokes (IEC 60938-2:202X)

prEN IEC 61189-2-501:2020 en
Test methods for electrical materials; printed board and other interconnection structures and assemblies – Part 2-501: Test methods for materials for interconnection structures – Measurement of Resilience strength and Resilience strength Retention Factor of Flexible Dielectric Materials (IEC 61189-2-501:202X)

prEN 61300-3-7:2020 en
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-7: Examinations and measurements – Wavelength dependence of attenuation and return loss of single mode components (IEC 61300-3-7:202X)

prEN IEC 61724-1:2020 en
Photovoltaic system performance – Part 1: Monitoring (IEC 61724-1:202X)
Učinkovitost fotonaponskog sustava – 1. dio: Praćenje (IEC 61724-1:202X)

prEN IEC 61760-2:2020 en
Surface mounting technology – Part 2: Transportation and storage conditions of surface mounting devices (SMD) – Application guide (IEC 61760-2:202X)

prEN IEC 62148-21:2020 en
Fibre optic active components and devices – Package and interface standards – Part 21: Design guide of electrical interface of PIC packages using silicon fine-pitch ball grid array (S-FBGA) and silicon fine-pitch land grid array (S-FLGA) (IEC 62148-21:202X)

prEN IEC 62153-4-5:2020 en
Metallic cables and other passive components test methods – Part 4-5: Electromagnetic compatibility (EMC) – Coupling or screening attenuation – Absorbing clamp method (IEC 62153-4-5:202X)

prEN IEC 62878-2-602:2020 en
Device Embedding assembly technology – Part 2-602: Guideline for stacked electronic module – Evaluation method of inter-module electrical connectivity (IEC 62878-2-602:202X)

prEN IEC 63203-101-1:2019 en
Wearable electronic devices and technologies – Part 101-1: Terminology (IEC 63203-101-1:201X)

prEN IEC 63203-201-3:2020 en
Wearable electronic devices and technologies – Part 201-3: Electronic Textile – Determination of electrical resistance of conductive textiles under simulated microclimate (IEC 63203-201-3:201X)

prEN IEC 63203-204-1:2019 en
Wearable electronic devices and technologies – Part 204-1: Electronic textile – Washable durability test method for leisure and sportswear e-textile system (IEC 63203-204-1:201X)

prEN IEC 63203-401-1:2019 en
Wearable electronic devices and technologies – Part 401-1: Devices and Systems – Functional elements – Evaluation method of the stretchable resistive strain sensor (IEC 63203-401-1:201X)

prEN IEC 63203-402-1:2019 en
Wearable electronic devices and technologies – Part 402-1: Devices and Systems – Accessory – Test methods of glove-type motion sensors for measuring finger movements (IEC 63203-402-1:201X)

prEN IEC 63244-1:2020 en
Semiconductor devices – Semiconductor devices for wireless power transfer and charging – Part 1: General requirements and specifications (IEC 63244-1:202X)

prEN IEC 63249-1:2020 en
Waveguide to coaxial adapters – Part 1: Generic specification – General requirements and test methods (IEC 63249-1:202X)

HZN/TU W1, *Energetska elektrotehnika 1*

prEN IEC 60086-5:2020 en
Primary batteries – Part 5: Safety of batteries with aqueous electrolyte (IEC 60086-5:202X)
Primarne baterije – 5. dio: Sigurnost baterija s tekućim elektrolitom (IEC 60086-5:202X)

prEN 60519-6:2020 en
Safety in installations for electroheating and electromagnetic processing – Part 6: Particular requirements for high frequency dielectric and microwave heating and processing equipment (IEC 60519-6:202X)

prEN IEC 62314:2020 en
Solid-state relays (IEC 62314:202X)
Poluvodički releji (IEC 62314:202X)

EN 62841-1:2015/FprAB en
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 1: general requirements
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – 1. dio: Opći zahtjevi

FprEN IEC 62841-3-7:2020/prAA en
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-7: Particular requirements for transportable wall saws
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-7: Posebni zahtjevi za prijenosne pile za zidove

prEN IEC 62841-4-5:2020/prAA:2020 en
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 4-5: Particular requirements for grass shears
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 4-5: Posebni zahtjevi za škare za travu

FprEN IEC 62885-7:2020 en
Surface cleaning appliances – Part 7: Dry-cleaning robots for household or similar use – Methods for measuring the performance (IEC/ASTM 62885-7:2020)

prEN IEC 63042-102:2020 en
UHV AC transmission systems – General system design (IEC 63042-102:202X)

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 799:2014 en

Brodovi i pomorska tehnologija – Peljarske ljestve (ISO 799:2004)
Ships and marine technology – Pilot ladders (ISO 799:2004)
- zamijenjena s: HRN ISO 799-1:2020

HRN ISO 5480:2001 en

Brodogradnja – Ograde na teretnim brodovima (ISO 5480:1979)
Shipbuilding – Guardrails for cargo ships (ISO 5480:1979)
- zamijenjena s: HRN ISO 5480:2020

HRN ISO 9089:2014 en

Pomorske konstrukcije – Pokretni odobalni objekti – Sidrena vitla (ISO 9089:1989)
Marine structures – Mobile offshore units – Anchor winches (ISO 9089:1989)
- zamijenjena s: HRN ISO 9089:2020

HRN ISO 10134:2004 en

Mala plovila – Električni uređaji – Gromobranska zaštita (ISO 10134:2003)
Small craft – Electrical devices – Lightning protection (ISO 10134:2003)
- zamijenjena s: HRI ISO/TR 10134:2020

HRN EN ISO 11591:2019 en

Mala plovila – Vidno polje s mjesta upravljanja (ISO 11591:2019; EN ISO 11591:2019)
Small craft – Field of vision from the steering position (ISO 11591:2019; EN ISO 11591:2019)
- zamijenjena s: HRN EN ISO 11591:2020

HRN ISO 11674:2015 en

Brodovi i pomorska tehnologija – Sustavi upravljanja smjerom (ISO 11674:2006)
Ships and marine technology – Heading control systems (ISO 11674:2006)
- zamijenjena s: HRN ISO 11674:2020

HRN ISO 13617:2004 en

Brodoska i pomorska tehnologija – Brodski spaljivač – Zahtjevi (ISO 13617:2001)
Ships and marine technology – Shipboard incinerators – Requirements (ISO 13617:2001)
- zamijenjena s: HRN ISO 13617:2020

HRN ISO 15738:2002 en

Brodovi i pomorska tehnologija – Sustavi plinskog napuhavanja samonapuhavajućih sredstava za spašavanje (ISO 15738:2002)
Ships and marine technology – Gas inflation systems for inflatable life-saving appliances (ISO 15738:2002)
- zamijenjena s: HRN ISO 15738:2020

HRN ISO 16165:2014 en

Brodovi i pomorska tehnologija – Zaštita pomorskog okoliša – Nazivlje iz područja intervencija pri onečišćenju uljem (ISO 16165:2013)
Ships and marine technology – Marine environment protection – Terminology relating to oil spill response (ISO 16165:2013)
- zamijenjena s: HRN ISO 16165:2020

HRN ISO 25862:2014 en

Brodovi i pomorska tehnologija – Magnetni kompasi, postolja kompasa i uređaji za očitavanje azimuta (ISO 25862:2009)
Ships and marine technology – Marine magnetic compasses, binnacles and azimuth reading devices (ISO 25862:2009)
- zamijenjena s: HRN ISO 25862:2020

HZN/TO 21, Protupožarna i vatrogasna oprema

HRN EN 15004-2:2008 en

Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 2. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom FK-5-1-12 (ISO 14520-5:2006, MOD; EN 15004-2:2008)
Fixed firefighting systems – Gas extinguishing systems – Part 2: Physical properties and system design of gas extinguishing systems for FK-5-1-12 extinguishant (ISO 14520-5:2006, MOD; EN 15004-2:2008)
- zamijenjena s: HRN EN 15004-2:2020

HRN EN 15004-4:2008 en

Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 4. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 125 (ISO 14520-8:2006, MOD; EN 15004-4:2008)
Fixed firefighting systems – Gas extinguishing systems – Part 4: Physical properties and system design of gas extinguishing systems for HFC 125 extinguishant (ISO 14520-8:2006, MOD; EN 15004-4:2008)
- zamijenjena s: HRN EN 15004-4:2020

HRN EN 15004-5:2008 en

Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 5. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 227ea (ISO 14520-9:2006, MOD; EN 15004-5:2008)
Fixed firefighting systems – Gas extinguishing systems – Part 5: Physical properties and system design of gas extinguishing systems for HFC 227ea extinguishant (ISO 14520-9:2006, MOD; EN 15004-5:2008)
- zamijenjena s: HRN EN 15004-5:2020

HRN EN 15004-6:2008 en

Stabilni protupožarni sustavi – Sustavi za gašenje plinom – 6. dio: Fizikalna svojstva i projektiranje sustava za gašenje plinom HFC 23 (ISO 14520-10:2005, MOD; EN 15004-6:2008)
Fixed firefighting systems – Gas extinguishing systems – Part 6: Physical properties and system design of gas extinguishing systems for HFC 23 extinguishant (ISO 14520-10:2005, MOD; EN 15004-6:2008)
- zamijenjena s: HRN EN 15004-6:2020

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN 15948:2015 en

Zitarice – Određivanje vlage i proteina – Metoda primjenom bliske infracrvene spektroskopije u cijelom zrnu (EN 15948:2015)
Cereals – Determination of moisture and protein – Method using Near-Infrared-Spectroscopy in whole kernels (EN 15948:2015)
- zamijenjena s: HRN EN 15948:2020

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 9453:2015 en

Meki lemovi – Kemijski sastavi i oblici isporuke (ISO 9453:2014; EN ISO 9453:2014)
Soft solder alloys – Chemical compositions and forms (ISO 9453:2014; EN ISO 9453:2014)
- zamijenjena s: HRN EN ISO 9453:2020

HRN EN ISO 9455-5:2014 en

Talila za meko lemljenje – Metode ispitivanja – 5. dio: Ispitivanje bakrenim zrcalom (ISO 9455-5:2014; EN ISO 9455-5:2014)
Soft soldering fluxes – Test methods – Part 5: Copper mirror test (ISO 9455-5:2014; EN ISO 9455-5:2014)
- zamijenjena s: HRN EN ISO 9455-5:2020

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

HRN EN 378-1:2016 en

Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na sigurnost i okoliš – 1. dio: Osnovni zahtjevi, definicije, razredba i kriteriji odabira (EN 378-1:2016)
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Basic requirements, definitions, classification and selection criteria (EN 378-1:2016)
- zamijenjena s: HRN EN 378-1:2020

HRN EN 378-3:2016 en

Rashladni sustavi i dizalice topline – Zahtjevi s obzirom na sigurnost i okoliš – 3. dio: Mjesto instalacije i osobna zaštita (EN 378-3:2016)
Refrigerating systems and heat pumps – Safety and environmental requirements – Part 3: Installation site and personal protection (EN 378-3:2016)
- zamijenjena s: HRN EN 378-3:2020

HZN/TO 89, Furniri i drvene ploče

- HRN EN ISO 12460-3:2015 en
Ploče na osnovi drva – Određivanje otpuštanja formaldehida – 3. dio: Metoda analize plina (ISO 12460-3:2015; EN ISO 12460-3:2015)
Wood-based panels – Determination of formaldehyde release – Part 3: Gas analysis method (ISO 12460-3:2015; EN ISO 12460-3:2015)
- zamijenjena s: HRN EN ISO 12460-3:2020

HZN/TO 121, Anestetička i respiracijska oprema

- HRN EN ISO 8836:2015 en
Usisni kateteri za upotrebu u dišnom putu (ISO 8836:2014; EN ISO 8836:2014)
Suction catheters for use in the respiratory tract (ISO 8836:2014; EN ISO 8836:2014)
- zamijenjena s: HRN EN ISO 8836:2020

HZN/TO 126, Duhan i duhanski proizvodi

- HRN ISO 2965:2010 en
Materijali koji se upotrebljavaju kao cigaretni papir, ovojni papir za filtar i papir za usni dio cigarete, uključujući i materijale koji imaju odijeljenu ili usmjerenu propusnu zonu i materijali s područjima različite propusnosti – Određivanje propusnosti zraka (ISO 2965:2009)
Materials used as cigarette papers, filter plug wrap and filter joining paper, including materials having a discrete or oriented permeable zone and materials with bands of differing permeability – Determination of air permeability (ISO 2965:2009)
- zamijenjena s: HRN ISO 2965:2020

- HRN ISO 4387:2004 en
Cigarete – Određivanje ukupnog i suhog dimnog kondenzata bez nikotina (katrana) uporabom rutinskog analitičkog stroja za pušenje (ISO 4387:2000)
Cigarettes – Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine (ISO 4387:2000)
- zamijenjena s: HRN ISO 4387:2020

- HRN ISO 4387:2004/A1:2010 en
Cigarete – Određivanje ukupnog i suhog dimnog kondenzata bez nikotina (katrana) uporabom rutinskog analitičkog stroja za pušenje (ISO 4387:2000/Amd 1:2008)
Cigarettes – Determination of total and nicotine-free dry particulate matter using a routine analytical smoking machine (ISO 4387:2000/Amd 1:2008)
- zamijenjena s: HRN ISO 4387:2020

- HRN ISO 4874:2004 en
Duhan – Uzorkovanje partija sirovog duhana – Opća načela (ISO 4874:2000)
Tobacco – Sampling of batches of raw material – General principles (ISO 4874:2000)
- zamijenjena s: HRN ISO 4874:2020

- HRN ISO 7210:2013 en
Rutinski analitički uređaj za pušenje cigareta – Dodatne metode ispitivanja za potvrđivanje/verifikaciju uređaja (ISO 7210:2013)
Routine analytical cigarette-smoking machine – Additional test methods for machine verification (ISO 7210:2013)
- zamijenjena s: HRN ISO 7210:2020

- HRN ISO 9512:2004 en
Cigarete – Određivanje prozračivanja – Definicije i načela mjerenja (ISO 9512:2002)
Cigarettes – Determination of ventilation – Definitions and measurement principles (ISO 9512:2002)
- zamijenjena s: HRN ISO 9512:2020

- HRN ISO 10362-1:2004 en
Cigarete – Određivanje vode u dimnom kondenzatu – 1. dio: Metoda plinske kromatografije (ISO 10362-1:1999)
Cigarettes – Determination of water in smoke condensates – Part 1: Gas-chromatographic method (ISO 10362-1:1999)
- zamijenjena s: HRN ISO 10362-1:2020

- HRN ISO 10362-1:2004/A1:2016 en
Cigarete – Određivanje vode u dimnom kondenzatu – 1. dio: Metoda plinske kromatografije (ISO 10362-1:1999/Amd 1:2011)
Cigarettes – Determination of water in smoke condensates – Part 1: Gas-chromatographic method (ISO 10362-1:1999/Amd 1:2011)
- zamijenjena s: HRN ISO 10362-1:2020

- HRN ISO 13276:2017 en
Duhan i duhanski proizvodi – Određivanje čistoće nikotina – Gravimetrijska metoda uporabom silikovolframove kiseline (ISO 13276:2017)
Tobacco and tobacco products – Determination of nicotine purity – Gravimetric method using tungstosilicic acid (ISO 13276:2017)
- zamijenjena s: HRN ISO 13276:2020

- HRN ISO 16055:2014 en
Duhan i duhanski proizvodi – Etalonska cigareta – Zahtjevi i upotreba (ISO 16055:2012)
Tobacco and tobacco products – Monitor test piece – Requirements and use (ISO 16055:2012)
- zamijenjena s: HRN ISO 16055:2020

- HRN ISO 20193:2014 en
Duhan i duhanski proizvodi – Određivanje širine vlakana rezanog duhana (ISO 20193:2012)
Tobacco and tobacco products – Determination of the width of the strands of cut tobacco (ISO 20193:2012)
- zamijenjena s: HRN ISO 20193:2020

- HRN ISO 22634:2010 en
Cigarete – Određivanje benzo[a]pirena u glavnoj struji dima – Metoda uporabom plinske kromatografije/masene spektrometrije (ISO 22634:2008)
Cigarettes – Determination of benzo(a)pyrene in cigarette mainstream smoke – Method using gas chromatography/mass spectrometry (ISO 22634:2008)
- zamijenjena s: HRN ISO 22634-1:2020

HZN/TO 135, Nerazorna ispitivanja

- HRN EN 12668-3:2014 en
Nerazorno ispitivanje – Karakterizacija i provjera opreme za ispitivanje ultrazvukom – 3. dio: Kombinirana oprema (EN 12668-3:2013)
Non-destructive testing – Characterization and verification of ultrasonic examination equipment – Part 3: Combined equipment (EN 12668-3:2013)
- zamijenjena s: HRN EN ISO 22232-3:2020

- HRN CEN ISO/TS 21432:2007 en
Nerazorno ispitivanje – Standardna ispitna metoda određivanja zaostalih naprežanja ogibom neutrona (ISO 21432:2005; CEN ISO/TS 21432:2005)
Non-destructive testing – Standards test method for determining residual stresses by neutron diffraction (ISO 21432:2005; CEN ISO/TS 21432:2005)
- zamijenjena s: HRN EN ISO 21432:2020

- HRS CEN ISO/TS 21432:2007/Ispr.1:2010 en
Nerazorno ispitivanje – Standardna ispitna metoda određivanja zaostalih naprežanja ogibom neutrona (ISO 21432:2005/Cor 1:2008; CEN ISO/TS 21432:2005/AC:2009)
Non-destructive testing – Standards test method for determining residual stresses by neutron diffraction (ISO 21432:2005/Cor 1:2008; CEN ISO/TS 21432:2005/AC:2009)
- zamijenjena s: HRN EN ISO 21432:2020

HZN/TO 172, Optika i optički instrumenti

- HRN EN ISO 11979-5:2008 en
Oftalmološki implantanti – Intraokularne leće – 5. dio: Biološka podnošljivost (ISO 11979-5:2006; EN ISO 11979-5:2006)
Ophthalmic implants – Intraocular lenses – Part 5: Biocompatibility (ISO 11979-5:2006; EN ISO 11979-5:2006)
- zamijenjena s: HRN EN ISO 11979-5:2020

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

- HRN EN 81-77:2013 en
Sigurnosna pravila za konstrukciju i ugradnju dizala – Posebna primjena za osobna dizala i osobna teretna dizala – 77. dio: Dizala izložena seizmičkim uvjetima (EN 81-77:2013)
Safety rules for the construction and installations of lifts – Particular applications for passenger and good passengers lifts – Part 77: Lifts subject to seismic conditions (EN 81-77:2013)
- zamijenjena s: HRN EN 81-77:2018

HZN/TO 221, Geosintetici

HRS ISO/TS 13434:2014 en
Geosintetici – Smjernice za procjenu trajnosti (ISO/TS 13434:2008)
Geosynthetics – Guidelines for the assessment of durability (ISO/TS 13434:2008)
- zamijenjena s: HRS ISO/TS 13434:2020

HZN/TO 503, Metalni materijali

HRN EN ISO 7438:2016 en
Metalni materijali – Ispitivanje savijanjem (ISO 7438:2016; EN ISO 7438:2016)
Metallic materials – Bend test (ISO 7438:2016; EN ISO 7438:2016)
- zamijenjena s: HRN EN ISO 7438:2020

HZN/TO 504, Korozija i zaštita metala i legura

HRN ISO 11845:1999 en
Korozija metala i legura – Opći principi korozijskih ispitivanja (ISO 11845:1995)
Corrosion of metals and alloys – General principles for corrosion testing (ISO 11845:1995)
- zamijenjena s: HRN ISO 11845:2020

HRS CEN/TS 14038-2:2011 en
Elektrokemijska realkalizacija i postupci ekstrakcije klorida za armirani beton – 2. dio: Ekstrakcija klorida (CEN/TS 14038-2:2011)
Electrochemical realkalization and chloride extraction treatments for reinforced concrete – Part 2: Chloride extraction (CEN/TS 14038-2:2011)
- zamijenjena s: HRN EN 14038-2:2020

HZN/TO 508, Ambalaža i pakiranje

HRN EN 15009:2008 en
Spremnici za aerosole – Spremnici za aerosole s pregradama (EN 15009:2006)
Aerosol containers – Compartmented aerosol containers (EN 15009:2006)
- zamijenjena s: HRN EN 15009:2020

HRN EN 16679:2015 en
Ambalaža – Značajke pakiranja lijekova koje omogućuju provjeru eventualnog neovlaštenog otvaranja (EN 16679:2014)
Packaging – Tamper verification features for medicinal product packaging (EN 16679:2014)
- zamijenjena s: HRN EN ISO 21976:2020

HZN/TO 509, Cestovna oprema

HRN EN 1871:2000 en
Materijali za oznake na kolniku – Fizička svojstva (EN 1871:2000)
Road marking materials – Physical properties (EN 1871:2000)
- zamijenjena s: HRN EN 1871:2020

HZN/TO 513, Mjerne jedinice i mjerila

HRN EN ISO 80000-3:2013 en
Veličine i jedinice – 3. dio: Prostor i vrijeme (ISO 80000-3:2006; EN ISO 80000-3:2013)
Quantities and units – Part 3: Space and time (ISO 80000-3:2006; EN ISO 80000-3:2013)
- zamijenjena s: HRN EN ISO 80000-3:2020

HRN EN ISO 80000-11:2013 en
Veličine i jedinice – 11. dio: Karakteristični brojevi (ISO 80000-11:2008; EN ISO 80000-11:2013)
Quantities and units – Part 11: Characteristic numbers (ISO 80000-11:2008; EN ISO 80000-11:2013)
- zamijenjena s: HRN EN ISO 80000-11:2020

HZN/TO 522, Karakterizacija i zbrinjavanje otpada

HRI CR 13846:2008 en
Preporuke za nastavak i povećanje uporabe mulja te načina odlaganja (CR 13846:2000)
Recommendations to preserve and extend sludge utilization and disposal routes (CR 13846:2000)
- bez zamjene

HZN/TO 528, Oprema za željeznice

HRN EN 15085-2:2008 en
Željeznički sustav – Zavarivanje željezničkih vozila i sastavnih dijelova – 2. dio: Zahtjevi za kvalitetu i certificiranje proizvođača (EN 15085-2:2007)
Railway applications – Welding of railway vehicles and components – Part 2: Quality requirements and certification of welding manufacturer (EN 15085-2:2007)
- zamijenjena s: HRN EN 15085-2:2020

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

HRN EN 12999:2018 en
Granici – Pretovarni granici (EN 12999:2011+A2:2018)
Cranes – Loader cranes (EN 12999:2011+A2:2018)
- zamijenjena s: HRN EN 12999:2020

HZN/TO 539, Kemijski dezinficijensi i antiseptici

HRN EN 13623:2010 en
Kemijski dezinficijensi i antiseptici – Kvantitativni suspenzijski test za procjenu baktericidne djelotvornosti kemijskih dezinficijensa za obradu vode u vodenim sustavima protiv Legionelle – Metoda ispitivanja i zahtjevi (faza 2, korak 1) (EN 13623:2010)
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) (EN 13623:2010)
- zamijenjena s: HRN EN 13623:2020

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

HRN EN 13141-5:2008 en
Ventilacija u zgradama – Ispitivanje značajki dijelova/proizvoda za ventilaciju stambenih zgrada – 5. dio: Krovne kape i krovni otvori za zrak (EN 13141-5:2004)
Ventilation for buildings – Performance testing of components/products for residential ventilation – Part 5: Cows and roof outlet terminal devices (EN 13141-5:2004)
- zamijenjena s: HRN EN 13141-5:2020

HZN/TO 552, Društvena odgovornost

HRN ISO 26000:2010 hr-en
Upute o društvenoj odgovornosti (ISO 26000:2010)
Guidance on social responsibility (ISO 26000:2010)
- zamijenjena s: HRN EN ISO 26000:2020

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 12402-10:2007 en
Osobne plutajuće naprave – 10. dio: Odabir i primjena osobnih plutajućih i drugih odgovarajućih naprava (ISO 12402-10:2006; EN ISO 12402-10:2006)
Personal flotation devices – Part 10: Selection and application of personal flotation devices and other relevant devices (ISO 12402-10:2006; EN ISO 12402-10:2006)
- zamijenjena s: HRN EN ISO 12402-10:2020

HZN/TO 558, Zaštita dišnih putova

HRN EN 13274-4:2002 en
Zaštitne naprave za disanje – Metode ispitivanja – 4. dio: Ispitivanja gorenja (EN 13274-4:2001)
Respiratory protective devices – Methods of test – Part 4: Flame tests (EN 13274-4:2001)
- zamijenjena s: HRN EN 13274-4:2020

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN 12569:2002 en
Industrijski ventili – Ventili za kemijsku i petrokemijsku procesnu industriju – Zahtjevi i ispitivanja (EN 12569:1999+AC:2000)
Industrial valves – Valves for chemical and petrochemical process industry – Requirements and tests (EN 12569:1999+AC:2000)
- zamijenjena s: HRN EN 12569:2020

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 1833-12:2019 en

Tekstil – Kvantitativna kemijska analiza – 12. dio: Mješavine akrilnih, određenih modakrilnih, klornih, elastanskih vlakana s drugim određenim vlaknima (metoda s uporabom dimetilformamida) (ISO 1833-12:2019; EN ISO 1833-12:2019)
Textiles – Quantitative chemical analysis – Part 12: Mixtures of acrylic, certain modacrylics, certain chlorofibres, certain elastanes with certain other fibres (method using dimethylformamide) (ISO 1833-12:2019; EN ISO 1833-12:2019)
- zamijenjena s: HRN EN ISO 1833-12:2020

HRN EN ISO 1833-18:2019 en

Tekstil – Kvantitativna kemijska analiza – 18. dio: Mješavine svile s drugim proteinskim vlaknima (metoda s primjenom sumporne kiseline) (ISO 1833-18:2019; EN ISO 1833-18:2019)
Textiles – Quantitative chemical analysis – Part 18: Mixtures of silk with other protein fibres (method using sulfuric acid) (ISO 1833-18:2019; EN ISO 1833-18:2019)
- zamijenjena s: HRN EN ISO 1833-18:2020

HRN EN ISO 1833-26:2013 en

Tekstil – Kvantitativna kemijska analiza – 26. dio: Mješavine melamina i pamuka ili aramidnih vlakana (metoda s uporabom vruće mravlje kiseline) (ISO 1833-26:2013; EN ISO 1833-26:2013)
Textiles – Quantitative chemical analysis – Part 26: Mixtures of melamine and cotton or aramide fibres (method using hot formic acid) (ISO 1833-26:2013; EN ISO 1833-26:2013)
- zamijenjena s: HRN EN ISO 1833-26:2020

HRN EN ISO 5079:2003 en

Tekstil – Vlakna – Određivanje prekidne sile i prekidnog istezanja metodom pojedinačnog mjerenja (ISO 5079:1995; EN ISO 5079:1995)
Textiles – Fibres – Determination of breaking force and elongation at break of individual fibres (ISO 5079:1995; EN ISO 5079:1995)
- zamijenjena s: HRN EN ISO 5079:2020

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

HRN ISO 5355:2012 en

Skijaške cipele (pancerice) za alpsko skijanje – Zahtjevi i metode ispitivanja (ISO 5355:2005+Cor 1:2007)
Alpine ski-boots – Requirements and test methods (ISO 5355:2005+Cor 1:2007)
- zamijenjena s: HRN ISO 5355:2020

HRN ISO 6005:2004 en

Skije za alpsko skijanje – Vijci za skijaške vezove – Metode ispitivanja (ISO 6005:1991)
Alpine skis – Ski binding screws – Test methods (ISO 6005:1991)
- zamijenjena s: HRN ISO 6005:2020

HRN ISO 7331:2012 en

Skijaški štapovi za alpsko skijanje – Zahtjevi i metode ispitivanja (ISO 7331:2011)
Ski-poles for alpine skiing – Requirements and test methods (ISO 7331:2011)
- zamijenjena s: HRN ISO 7331:2020

HRN ISO 8061:2016 en

Vezovi za skije za alpsko skijanje – Odabir vrijednosti momenta otpuštanja (ISO 8061:2015)
Alpine ski-bindings – Selection of release torque values (ISO 8061:2015)
- zamijenjena s: HRN ISO 8061:2020

HRN ISO 9523:2016 en

Skijaške cipele (pancerice) za turno skijanje za odrasle – Međusklop s vezovima za turno skijanje – Zahtjevi i metode ispitivanja (ISO 9523:2015)
Touring ski-boots for adults – Interface with touring ski-bindings – Requirements and test methods (ISO 9523:2015)
- zamijenjena s: HRN ISO 9523:2020

HRN ISO 9838:2015 en

Skijaški vezovi za alpsko i turno skijanje – Provjera potplata pri ispitivanju skijaških vezova (ISO 9838:2015)
Alpine and touring ski-bindings – Test soles for ski-binding tests (ISO 9838:2015)
- zamijenjena s: HRN ISO 9523:2020

HRN ISO 11088:2016 en

Montiranje, prilagodba i pregled sustava skija-vez-skijaška cipela (S-B-B) u alpskom skijanju (ISO 11088:2015)
Assembly, adjustment and inspection of an alpine ski/binding/boot (S-B-B) system (ISO 11088:2015)
- zamijenjena s: HRN ISO 9523:2020

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

HRN EN ISO 11063:2013 en

Kvaliteta tla – Metoda direktne ekstrakcije DNK iz uzoraka tla (ISO 11063:2012; EN ISO 11063:2013)
Soil quality – Method to directly extract DNA from soil samples (ISO 11063:2012; EN ISO 11063:2013)
- zamijenjena s: HRN EN ISO 11063:2020

HZN/TO E45, Nuklearna instrumentacija

HRN IEC 62003:2019 en

Nuklearne elektrane – Instrumentacija i kontrolni sustavi koji su bitni za sigurnost – Zahtjevi za testiranje elektromagnetske kompatibilnosti (IEC 62003:2009)
Nuclear power plants – Instrumentation and control important to safety – Requirements for electromagnetic compatibility testing (IEC 62003:2009)
- zamijenjena s: HRN EN IEC 62003:2020

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

HRN ISO 473:1999 en

Litoponi pigmenti za boje – Specifikacije i metode ispitivanja (ISO 473:1982)
Lithopone pigments for paints – Specifications and methods of test (ISO 473:1982)
- zamijenjena s: HRN EN ISO 473:2020

HRN EN ISO 8501-4:2008 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Vizualna procjena čistoće površine – 4. dio: Početno stanje površine, stupanj pripreme i uočeni stupanj rđe povezano s visokim pritiskom vodenog mlaza (ISO 8501-4:2006; EN ISO 8501-4:2006)
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 high-pressure water jetting (ISO 8501-4:2006; EN ISO 8501-4:2006)
- zamijenjena s: HRN EN ISO 8501-4:2020

HRN EN ISO 11127-4:2012 en

Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 4. dio: Ocjena tvrdoće ispitivanjem s pomoću stakla (ISO 11127-4:2011; EN ISO 11127-4:2011)
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 11127-4:2011; EN ISO 11127-4:2011)
- zamijenjena s: HRN EN ISO 11127-4:2020

HZN/TU N1, Nemetalni materijali 1

HRN EN 993-10:2008 en

Metode ispitivanja neprozirnih vatrootalnih proizvoda – 10. dio: Određivanje trajne promjene dimenzija pri zagrijavanju (EN 993-10:1997)
Methods of test for dense shaped refractory products – Part 10: Determination of permanent change in dimensions on heating (EN 993-10:1997)
- zamijenjena s: HRN EN 993-10:2020

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

HRN EN ISO 17730:2015 en

Stomatologija – Fluoridni lakovi (ISO 17730:2014; EN ISO 17730:2014)
Dentistry – Fluoride varnishes (ISO 17730:2014; EN ISO 17730:2014)
- zamijenjena s: HRN EN ISO 17730:2020

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

HRN EN 12312-7:2010 en

Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 7. dio: Oprema za pomicanje zrakoplova (EN 12312-7:2005+A1:2009)
Aircraft ground support equipment – Specific requirements – Part 7: Air-craft movement equipment (EN 12312-7:2005+A1:2009)
- zamijenjena s: HRN EN 12312-7:2020

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 554, *Obrada otpadnih voda*

- **umjesto**

HRN EN 858-1:2002

Sustavi za odvajanje lakih tekućina - **separatori** (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 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)

- **umjesto**

HRN EN 858-1:2002/A1:2008

Sustavi za odvajanje lakih tekućina - **separatori** (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 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)

- **umjesto**

HRN EN 858-2:2003

Sustavi za odvajanje lakih tekućina - **separatori** (primjerice za ulja i benzin) – 2. dio: Odabir nazivne veličine, ugradba, uporaba i održavanje (EN 858-2:2003)
Separator systems for light liquids (e.g. oil and petrol) – Part 2: Selection of nominal size, installation, operation and maintenance (EN 858-2:2003)

- **treba biti**

HRN EN 858-2:2003

Sustavi za odvajanje lakih tekućina (primjerice za ulja i benzin) – 2. dio: Odabir nazivne veličine, ugradba, uporaba i održavanje (EN 858-2:2003)
Separator systems for light liquids (e.g. oil and petrol) – Part 2: Selection of nominal size, installation, operation and maintenance (EN 858-2:2003)

HZN/TO E501, *Elektroakustika i ultrazvuk*

- **umjesto**

HRN EN 60645-3:2008

Elektroakustika – **Audiometarska** oprema – 3. dio: Kratkotrajni ispitni signali (IEC 60645-3:2007; EN 60645-3:2007)
Electroacoustics – Audiometric equipment – Part 3: Test signals of short duration (IEC 60645-3:2007; EN 60645-3:2007)

- **treba biti**

HRN EN 60645-3:2008

Elektroakustika – **Audiometrijska** oprema – 3. dio: Kratkotrajni ispitni signali (IEC 60645-3:2007; EN 60645-3:2007)
Electroacoustics – Audiometric equipment – Part 3: Test signals of short duration (IEC 60645-3:2007; EN 60645-3:2007)

- **umjesto**

HRN EN 60645-5:2008

Elektroakustika – **Audiometarska** oprema – 5. dio: Instrumenti za mjerenja auralne akustičke impedancije/admitancije (IEC 60645-5:2004; EN 60645-5:2005)
Electroacoustics – Audiometric equipment – Part 5: Instruments for the measurement of aural acoustic impedance/admittance (IEC 60645-5:2004; EN 60645-5:2005)

- **treba biti**

HRN EN 60645-5:2008

Elektroakustika – **Audiometrijska** oprema – 5. dio: Instrumenti za mjerenja auralne akustičke impedancije/admitancije (IEC 60645-5:2004; EN 60645-5:2005)
Electroacoustics – Audiometric equipment – Part 5: Instruments for the measurement of aural acoustic impedance/admittance (IEC 60645-5:2004; EN 60645-5:2005)

1.10 *Prijevodni hrvatskih normativnih dokumenata*

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

Sljedeća hrvatska norma objavljena na engleskome jeziku sada je dostupna i na hrvatskome jeziku:

HRN EN 71-1:2018 hr-en pr-pp

Sigurnost igraćaka – 1. dio: Mehanička i fizikalna svojstva (EN 71-1:2014+A1:2018)
Safety of toys – Part 1: Mechanical and physical properties (EN 71-1:2014+A1:2018)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 81-40	Safety rules for the construction and installation of lifts – Special lifts for the transport of persons and goods – Part 40: Stairlifts and inclined lifting platforms intended for persons with impaired mobility	11.180.10; 91.140.90	2020-09
CEN/TS 115-4	Safety of escalators and moving walks – Part 4: Interpretations related to EN 115 family of standards	91.140.90	2020-09
EN 266	Wall coverings in roll form – Specification for textile wall coverings	91.180	2020-09
EN 1081+A1	Resilient, laminate and modular multilayer floor coverings – Determination of the electrical resistance	97.150	2020-09
EN 1474-2	Installation and equipment for liquefied natural gas – Design and testing of marine transfer systems – Part 2: Design and testing of transfer hoses	75.200	2020-09
EN 1789	Medical vehicles and their equipment – Road ambulances	11.160; 43.160	2020-09
EN 6111	Aerospace series – Ethylene-propylene elastomer (EPM/EPDM) – Hardness 80 IRHD for static seal elements in hydraulic systems for long-term application – Material standard	49.025.40; 49.080	2020-09
EN 6139	Aerospace series – Cap, protective, non-metallic, for EN 6123 fitting ends	49.080	2020-09
EN 6140	Aerospace series – Plug, protective, non-metallic, for NAS1760 fitting ends and AS33649 boss ports	49.080	2020-09
EN 6141	Aerospace series – Plug, protective, non-metallic, for EN 6123 fitting ends	49.080	2020-09
EN 10210-3	Hot finished steel structural hollow sections – Part 3: Technical delivery conditions for high strength and weather resistant steels	77.140.75	2020-09
EN 10219-3	Cold formed welded steel structural hollow sections – Part 3: Technical delivery conditions for high strength and weather resistant steels	77.140.75	2020-09
EN 12042+A1	Food processing machinery – Automatic dough dividers – Safety and hygiene requirements	67.260	2020-09
EN 12472	Method for the simulation of accelerated wear and corrosion for the detection of nickel release from coated items	39.060	2020-09
EN 13067	Plastics welding personnel – Qualification of welders – Thermoplastics welded assemblies	03.100.30; 25.160.10	2020-09
EN 13200-6	Spectator facilities – Part 6: Demountable stands	97.200.10; 97.220.10	2020-09
EN 13260	Railway applications – Wheelsets and bogies – Wheelsets – Product requirements	45.040	2020-09
EN 13261	Railway applications – Wheelsets and bogies – Axles – Product requirements	45.040	2020-09
EN 13262	Railway applications – Wheelsets and bogies – Wheels – Product requirements	45.040	2020-09
EN 13834	Cookware – Ovenware for use in traditional domestic ovens	97.040.60	2020-09
EN 13971	Carbonate and silicate liming materials – Determination of reactivity – Potentiometric titration method with hydrochloric acid	65.080	2020-09
EN 14614	Water quality – Guidance standard for assessing the hydromorphological features of rivers	07.060; 13.060.70	2020-09
EN 14960-3	Inflatable play equipment – Part 3: Additional safety requirements and test methods for snappies	97.190; 97.200.50	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
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	2020-09
EN 15269-20	Extended application of test results for fire resistance and/or smoke control for door, shutter and openable window assemblies, including their elements of building hardware – Part 20: Smoke control for doors, shutters, operable fabric curtains and openable windows	13.220.50; 91.060.50	2020-09
EN 15998	Glass in building – Safety in case of fire, fire resistance – Glass testing methodology for the purpose of classification	13.220.50; 81.040.20	2020-09
CEN/TS 16214-2	Sustainability criteria for the production of biofuels and bioliquids for energy applications – Principles, criteria, indicators and verifiers – Part 2: Conformity assessment including chain of custody and mass balance	27.190; 75.160.40	2020-09
EN 17173	European CBRNE glossary	01.040.13; 13.300; 13.310	2020-09
CEN/TS 17340	Stationary source emissions – Determination of mass concentration of fluorinated compounds expressed as HF – Standard reference method	13.040.40	2020-09
CEN/TS 17405	Stationary source emissions – Determination of the volume concentration of carbon dioxide – Reference method: infrared spectrometry	13.040.40	2020-09
EN 17407	Portable equipment for projecting extinguishing agents supplied by firefighting pumps – Collecting heads and dividing breechings PN 16	13.220.10	2020-09
EN 17408	Determination of the flowability and application behaviour of viscoelastic adhesives using the oscillatory rheometry	83.180	2020-09
CWA 17484	Anaerobic digestion plants – Feasibility assessment methodology for integrating a Volatile Fatty Acid Platform Technology	03.100.99; 13.020.55; 27.190	2020-09
CEN/TR 17538	Furniture – Common test equipment – Test foams and mattresses	97.140	2020-09
CEN/TR 17544	Automotive fuels – Report on studies done on cold soak filter blocking tendency (CS-FBT) on fatty acid methyl ester (FAME) as blend component for diesel fuel, and of diesel fuel containing up to 30 % (V/V) of FAME	75.160.20	2020-09
EN ISO 660	Animal and vegetable fats and oils – Determination of acid value and acidity (ISO 660:2020)	67.200.10	2020-09
EN ISO 1460	Metallic coatings – Hot dip galvanized coatings on ferrous materials – Gravimetric determination of the mass per unit area (ISO 1460:2020)	25.220.40	2020-09
EN ISO 2409	Paints and varnishes – Cross-cut test (ISO 2409:2020)	87.040	2020-09
EN ISO 2560	Welding consumables – Covered electrodes for manual metal arc welding of non-alloy and fine grain steels – Classification (ISO 2560:2020)	25.160.20	2020-09
EN ISO 2810	Paints and varnishes – Natural weathering of coatings – Exposure and assessment (ISO 2810:2020)	87.040	2020-09
EN ISO 3104	Petroleum products – Transparent and opaque liquids – Determination of kinematic viscosity and calculation of dynamic viscosity (ISO 3104:2020)	75.080	2020-09
EN ISO 3166-1	Codes for the representation of names of countries and their subdivisions – Part 1: Country code (ISO 3166-1:2020)	01.140.30	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 3303-1	Rubber- or plastics-coated fabrics – Determination of bursting strength – Part 1: Steel-ball method (ISO 3303-1:2020)	59.080.40	2020-09
EN ISO 3303-2	Rubber- or plastics-coated fabrics – Determination of bursting strength – Part 2: Hydraulic method (ISO 3303-2:2020)	59.080.40	2020-09
EN ISO 3630-5	Dentistry – Endodontic instruments – Part 5: Shaping and cleaning instruments (ISO 3630-5:2020)	11.060.20	2020-09
EN ISO 4126-3	Safety devices for protection against excessive pressure – Part 3: Safety valves and bursting disc safety devices in combination (ISO 4126-3:2020)	13.240	2020-09
EN ISO 4629-3	Binders for paints and varnishes – Determination of hydroxyl value – Part 3: Rapid test (ISO 4629-3:2018)	87.060.20	2020-09
EN ISO 5135	Acoustics – Determination of sound power levels of noise from air-terminal devices, air-terminal units, dampers and valves by measurement in a reverberation test room (ISO 5135:2020)	17.140.20	2020-09
EN ISO 5167-3	Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 3: Nozzles and Venturi nozzles (ISO 5167-3:2019)	17.120.10	2020-09
EN ISO 6259-2	Thermoplastics pipes – Determination of tensile properties – Part 2: Pipes made of unplasticized poly(vinyl chloride) (PVC-U), oriented unplasticized poly(vinyl chloride) (PVC-O), chlorinated poly(vinyl chloride) (PVC-C) and high-impact poly(vinyl chloride) (PVC-HI) (ISO 6259-2:2020)	23.040.20	2020-09
EN ISO 6847	Welding consumables – Deposition of a weld metal pad for chemical analysis (ISO 6847:2020)	25.160.20	2020-09
EN ISO 6931-1	Stainless steels for springs – Part 1: Wire (ISO 6931-1:2016)	77.140.25	2020-09
EN ISO 7376	Anaesthetic and respiratory equipment – Laryngoscopes for tracheal intubation (ISO 7376:2020)	11.040.10	2020-09
EN ISO 8502-9	Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 9: Field method for the conductometric determination of water-soluble salts (ISO 8502-9:2020)	25.220.10	2020-09
EN ISO 10271	Dentistry – Corrosion test methods for metallic materials (ISO 10271:2020)	11.060.10	2020-09
EN ISO 10275	Metallic materials – Sheet and strip – Determination of tensile strain hardening exponent (ISO 10275:2020)	77.040.10	2020-09
EN ISO 10352	Fibre-reinforced plastics – Moulding compounds and prepregs – Determination of mass per unit area and fibre mass per unit area (ISO 10352:2020)	83.120	2020-09
EN ISO 10434	Bolted bonnet steel gate valves for the petroleum, petrochemical and allied industries (ISO 10434:2020)	75.180.20	2020-09
EN ISO 11073-10101	Health informatics – Device interoperability – Part 10101: Point-of-care medical device communication – Nomenclature (ISO/IEEE FDIS 11073-10101:2020)	01.040.35; 35.240.80	2020-09
EN ISO 11136/A1	Sensory analysis – Methodology – General guidance for conducting hedonic tests with consumers in a controlled area – Amendment 1 (ISO 11136:2014/Amd 1:2020)	67.240	2020-09
EN ISO 11463	Corrosion of metals and alloys – Guidelines for the evaluation of pitting corrosion (ISO 11463:2020)	77.060	2020-09
EN ISO 12402-2	Personal flotation devices – Part 2: Lifejackets, performance level 275 – Safety requirements (ISO 12402-2:2020)	13.340.70	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 12402-3	Personal flotation devices – Part 3: Lifejackets, performance level 150 – Safety requirements (ISO 12402-3:2020)	13.340.70	2020-09
EN ISO 12402-4	Personal flotation devices – Part 4: Lifejackets, performance level 100 – Safety requirements (ISO 12402-4:2020)	13.340.70	2020-09
EN ISO 12402-5	Personal flotation devices – Part 5: Buoyancy aids (level 50) – Safety requirements (ISO 12402-5:2020)	13.340.70	2020-09
EN ISO 12402-6	Personal flotation devices – Part 6: Special application lifejackets and buoyancy aids – Safety requirements and additional test methods (ISO 12402-6:2020)	13.340.70	2020-09
EN ISO 12402-8	Personal flotation devices – Part 8: Accessories – Safety requirements and test methods (ISO 12402-8:2020)	13.340.70	2020-09
EN ISO 12402-9	Personal flotation devices – Part 9: Evaluation (ISO 12402-9:2020)	13.340.70	2020-09
EN ISO 13088/A1	Gas cylinders – Acetylene cylinder bundles – Filling conditions and filling inspection – Amendment 1 (ISO 13088:2011/Amd 1:2020)	23.020.35	2020-09
EN ISO 13161	Water quality – Polonium 210 – Test method using alpha spectrometry (ISO 13161:2020)	13.060.60; 17.240	2020-09
EN ISO 13365-1	Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 1: Acetonitrile extraction method (ISO 13365-1:2020)	59.140.30	2020-09
EN ISO 13365-2	Leather – Chemical determination of the preservative (TCMTB, PCMC, OPP, OIT) content in leather by liquid chromatography – Part 2: Artificial perspiration extraction method (ISO 13365-2:2020)	59.140.30	2020-09
EN ISO 14002-1	Environmental management systems – Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area – Part 1: General (ISO 14002-1:2019)	03.100.70; 13.020.10	2020-09
EN ISO 14341	Welding consumables – Wire electrodes and weld deposits for gas shielded metal arc welding of non alloy and fine grain steels – Classification (ISO 14341:2020)	25.160.20	2020-09
EN ISO 15118-8	Road vehicles – Vehicle to grid communication interface – Part 8: Physical layer and data link layer requirements for wireless communication (ISO 15118-8:2020)	43.120	2020-09
EN ISO 15528	Paints, varnishes and raw materials for paints and varnishes – Sampling (ISO 15528:2020)	87.040	2020-09
EN ISO 15761	Steel gate, globe and check valves for sizes DN 100 and smaller, for the petroleum and natural gas industries (ISO 15761:2020)	75.180.20	2020-09
EN ISO 15792-1	Welding consumables – Test methods – Part 1: Preparation of all-weld metal test pieces and specimens in steel, nickel and nickel alloys (ISO 15792-1:2020)	25.160.20	2020-09
EN ISO 15792-2	Welding consumables – Test methods – Part 2: Preparation of single-run and two-run technique test pieces and specimens in steel (ISO 15792-2:2020)	25.160.20	2020-09
EN ISO 16092-2	Machine tools safety – Presses – Part 2: Safety requirement for mechanical presses (ISO 16092-2:2019)	25.080.01	2020-09
EN ISO 16092-4	Machine tools safety – Presses – Part 4: Safety requirements for pneumatic presses (ISO 16092-4:2019)	25.080.01	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 16202-1	Dentistry – Nomenclature of oral anomalies – Part 1: Code for the representation of oral anomalies (ISO 16202-1:2019)	11.060.01	2020-09
EN ISO 16202-2	Dentistry – Nomenclature of oral anomalies – Part 2: Developmental anomalies of teeth (ISO 16202-2:2019)	11.060.01	2020-09
EN ISO 16486-1	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 1: General (ISO 16486-1:2020)	75.200; 83.140.30	2020-09
EN ISO 16486-3	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings (ISO 16486-3:2020)	75.200; 83.140.30	2020-09
EN ISO 17200	Nanotechnology – Nanoparticles in powder form – Characteristics and measurements (ISO 17200:2020)	07.120	2020-09
EN ISO 17234-1	Leather – Chemical tests for the determination of certain azo colorants in dyed leathers – Part 1: Determination of certain aromatic amines derived from azo colorants (ISO 17234-1:2020)	59.140.30	2020-09
EN ISO 18243/A1	Electrically propelled mopeds and motorcycles – Test specifications and safety requirements for lithium-ion battery systems – Amendment 1 (ISO 18243:2017/Amd 1:2020)	43.140	2020-09
EN ISO 18771	Anodizing of aluminium and its alloys – Method to test the surface abrasion resistance using glass-coated abrasive paper (ISO 18771:2019)	25.220.20	2020-09
EN ISO 19063-2	Plastics – Impact-resistant polystyrene (PS-I) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 19063-2:2020)	83.080.20	2020-09
EN ISO 19085-10/A11	Woodworking machines – Safety – Part 10: Building site saws (contractor saws) (ISO 19085-10:2018, including Corrected version 2019-12)	13.110; 79.120.10	2020-09
EN ISO 19299	Electronic fee collection – Security framework (ISO 19299:2020)	03.220.20; 35.240.60	2020-09
EN ISO 20127	Dentistry – Physical properties of powered toothbrushes (ISO 20127:2020)	97.170	2020-09
EN ISO 20326/A1	Resilient floor coverings – Specification for floor panels/assembly for loose laying – Amendment 1: Requirements depending on the substrate (ISO 20326:2016/Amd 1:2020)	97.150	2020-09
CEN ISO/TS 21176	Cooperative intelligent transport systems (C-ITS) – Position, velocity and time functionality in the ITS station (ISO/TS 21176:2020)	03.220.01; 35.240.60	2020-09
EN ISO 21432	Non-destructive testing – Standard test method for determining residual stresses by neutron diffraction (ISO 21432:2019)	19.100	2020-09
EN ISO 21683	Pigments and extenders – Determination of experimentally simulated nano-object release from paints, varnishes and pigmented plastics (ISO 21683:2019)	87.060.10	2020-09
EN ISO 22017	Water quality – Guidance for rapid radioactivity measurements in nuclear or radiological emergency situation (ISO 22017:2020)	13.060.60; 13.280; 17.240	2020-09
EN ISO 22232-2	Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 2: Probes (ISO 22232-2:2020)	19.100	2020-09
EN ISO 22476-9	Geotechnical investigation and testing – Field testing – Part 9: Field vane test (FVT and FVT-F) (ISO 22476-9:2020)	93.020	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 22598	Dentistry – Colour tabs for intraoral tooth colour determination (ISO 22598:2020)	11.060.10	2020-09
EN ISO 22744-2	Textiles and textile products – Determination of organotin compounds – Part 2: Direct method using liquid chromatography (ISO 22744-2:2020)	59.080.01	2020-09
EN ISO 22751	Rubber or plastic coated fabrics – Physical and mechanical test – Determination of bending force (ISO 22751:2020)	59.080.40	2020-09
CEN ISO/TS 22756	Health Informatics – Requirements for a knowledge base for clinical decision support systems to be used in medication-related processes (ISO/TS 22756:2020)	35.240.80	2020-09
EN ISO 23251	Petroleum, petrochemical and natural gas industries – Pressure-relieving and depressuring systems (ISO 23251:2019)	75.180.20	2020-09
EN ISO 24022-1	Plastics – Polystyrene (PS) moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 24022-1:2020)	83.080.20	2020-09
EN ISO 25065	Systems and software engineering – Software product Quality Requirements and Evaluation (SQuaRE) – Common Industry Format (CIF) for Usability: User requirements specification (ISO 25065:2019)	13.180; 35.080	2020-09
EN ISO 25178-72/A1	Geometrical product specifications (GPS) – Surface texture: Areal – Part 72: XML file format x3p – Amendment 1 (ISO 25178-72:2017/Amd 1:2020)	17.040.20	2020-09
EN ISO 25539-2	Cardiovascular implants – Endovascular devices – Part 2: Vascular stents (ISO 25539-2:2020)	11.040.40	2020-09
EN ISO 41014	Facility management – Development of facility management strategy (ISO 41014:2020)	03.080.10	2020-09
EN ISO/ASTM 52942	Additive manufacturing – Qualification principles – Qualifying machine operators of laser metal powder bed fusion machines and equipment used in aerospace applications (ISO/ASTM 52942:2020)	03.100.30; 25.030	2020-09
EN ISO 81060-2/A1	Non-invasive sphygmomanometers – Part 2: Clinical investigation of intermittent automated measurement type – Amendment 1 (ISO 81060-2:2018/Amd 1:2020)	11.040.10	2020-09

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 16602-60-14	Space product assurance – Relieving procedure – EEE components	49.140	2020-09
EN 16603-20	Space engineering – Electrical and electronic	49.140	2020-09
EN 16603-20-01	Space engineering – Multipactor, design and test	49.140	2020-09
EN 16603-20-06	Space engineering – Spacecraft charging	49.140	2020-09
EN 16603-50-11	Space engineering – SpaceFibre – Very high-speed serial link	49.140	2020-09
EN 16803-1	Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1: Definitions and system engineering procedures for the establishment and assessment of performances	33.060.30; 35.240.60	2020-09
EN 16803-2	Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 2: Assessment of basic performances of GNSS-based positioning terminals	03.220.20; 33.060.30; 35.240.60	2020-09
EN 16803-3	Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 3: Assessment of security performances of GNSS-based positioning terminals	03.220.20; 33.060.30; 35.240.60	2020-09
CLC/TR 50600-99-1	Information technology – Data centre facilities and infrastructures – Part 99-1: Recommended practices for energy management	27.015; 35.020; 35.110; 35.160	2020-09
EN 55016-1-5/AC	Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-5: Radio disturbance and immunity measuring apparatus – Antenna calibration sites and reference test sites for 5 MHz to 18 GHz (CISPR 16-1-5:2014/COR1:2020)	33.100.01; 33.100.10; 33.100.20	2020-09
EN 55016-2-1/AC	Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements (CISPR 16-2-1:2014/COR1:2020)	33.100.01; 33.100.10; 33.100.20	2020-09
EN IEC 55036	Electric and hybrid electric road vehicles – Radio disturbance characteristics – Limits and methods of measurement for the protection of off-board receivers below 30 MHz (CISPR 36:2020)	33.100.10; 33.100.20; 43.120	2020-09
EN IEC 60076-24	Power transformers – Part 24: Specification of voltage regulating distribution transformers (VRDT) (IEC 60076-24:2020)	29.180	2020-09
EN 60127-3/A1	Miniature fuses – Part 3: Sub-miniature fuse-links (IEC 60127-3:2015/A1:2020)	29.120.50	2020-09
EN 60335-2-3/A1	Household and similar electrical appliances – Safety – Part 2-3: Particular requirements for electric irons (IEC 60335-2-3:2012/A1:2015)	13.120; 97.060	2020-09
EN 60335-2-24/A11	Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice makers	97.040.30	2020-09
EN IEC 60352-5	Solderless connections – Part 5: Press-in connections – General requirements, test methods and practical guidance (IEC 60352-5:2020)	31.220.10	2020-09
EN IEC 60471	Clevis and tongue couplings of string insulator units – Dimensions (IEC 60471:2020)	29.080.10; 29.240.20	2020-09
EN 60601-1-9/A2	Medical electrical equipment – Part 1-9: General requirements for basic safety and essential performance – Collateral Standard: Requirements for environmentally conscious design (IEC 60601-1-9:2007/A2:2020)	11.040.01; 13.020.01	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
EN 60601-1-12/A1	Medical electrical equipment – Part 1-12: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems intended for use in the emergency medical services environment (IEC 60601-1-12:2014/A1:2020)	11.040.10	2020-09
EN IEC 60747-5-5	Semiconductor devices – Part 5-5: Optoelectronic devices – Photocouplers (IEC 60747-5-5:2020)	31.080.01; 31.260	2020-09
EN 60747-16-5/A1	Semiconductor devices – Part 16-5: Microwave integrated circuits – Oscillators (IEC 60747-16-5:2013/A1:2020 + COR1:2020)	31.080.99	2020-09
EN IEC 60749-15	Semiconductor devices – Mechanical and climatic test methods – Part 15: Resistance to soldering temperature for through-hole mounted devices (IEC 60749-15:2020)	31.080.01	2020-09
EN IEC 60749-30	Semiconductor devices – Mechanical and climatic test methods – Part 30: Preconditioning of non-hermetic surface mount devices prior to reliability testing (IEC 60749-30:2020)	31.080.01	2020-09
EN IEC 60749-41	Semiconductor devices – Mechanical and climatic test methods – Part 41: Standard reliability testing methods of non-volatile memory devices (IEC 60749-41:2020)	31.080.01	2020-09
EN IEC 60839-11-5	Alarm and electronic security systems – Part 11-5: Electronic access control systems – Open Supervised Device Protocol (OSDP) (IEC 60839-11-5:2020)	13.320	2020-09
EN IEC 61000-6-8	Electromagnetic compatibility (EMC) – Part 6-8: Generic standards – Emission standard for professional equipment in commercial and light-industrial locations (IEC 61000-6-8:2020)	33.100.10	2020-09
EN IEC 61007	Transformers and inductors for use in electronic and telecommunication equipment – Measuring methods and test procedures (IEC 61007:2020)	29.100.10; 29.180	2020-09
EN IEC 61076-2-012	Connectors for electrical and electronic equipment – Product Requirements – Part 2-012: Circular connectors – Detail specification for connectors with inner push-pull locking based on M12 connector interfaces according to IEC 61076-2-101, IEC 61076-2-109, IEC 61076-2-111 and IEC 61076-2-113 (IEC 61076-2-012:2020)	31.220.10	2020-09
EN IEC 61169-1-4	Radio-frequency connectors – Part 1-4: Electrical test methods – Voltage standing wave ratio, return loss and reflection coefficient (IEC 61169-1-4:2020)	33.120.30	2020-09
EN IEC 61280-4-5	Fibre-optic communication subsystem test procedures – Part 4-5: Installed cabling plant – Attenuation measurement of MPO terminated fibre optic cabling plant using test equipment with MPO interfaces (IEC 61280-4-5:2020)	33.180.10	2020-09
EN IEC 61400-27-1	Wind energy generation systems – Part 27-1: Electrical simulation models – Generic models (IEC 61400-27-1:2020)	21.180; 27.180	2020-09
EN IEC 61400-27-2	Wind energy generation systems – Part 27-2: Electrical simulation models – Model validation (IEC 61400-27-2:2020)	27.180	2020-09
EN IEC 61496-1	Safety of machinery – Electro-sensitive protective equipment – Part 1: General requirements and tests (IEC 61496-1:2020)	13.110; 29.260.99	2020-09

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EN IEC 61496-2	Safety of machinery – Electro-sensitive protective equipment – Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs) (IEC 61496-2:2020)	13.110; 29.260.99; 31.260	2020-09
CLC IEC/TR 61511-4	Functional safety – Safety instrumented systems for the process industry sector – Part 4: Explanation and rationale for changes in IEC 61511-1 from Edition 1 to Edition 2 (IEC/TR 61511-4:2020)	13.110; 25.040.01; 25.040.40; 35.240.50	2020-09
EN IEC 61757-4-3	Fibre optic sensors – Part 4-3: Electric current measurement – Polarimetric method (IEC 61757-4-3:2020)	33.180.99	2020-09
EN IEC 61760-1	Surface mounting technology – Part 1: Standard method for the specification of surface mounting components (SMDs) (IEC 61760-1:2020)	31.240	2020-09
EN IEC 61968-5	Application integration at electric utilities – System interfaces for distribution management – Part 5: Distributed energy optimization (IEC 61968-5:2020)	33.040.20; 33.200; 35.240.99	2020-09
EN IEC 62003	Nuclear power plants – Instrumentation, control and electrical power systems – Requirements for electromagnetic compatibility testing (IEC 62003:2020)	27.120.20	2020-09
EN IEC 62149-3	Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2020)	33.180.20; 33.180.30	2020-09
EN IEC 62149-5	Fibre optic active components and devices – Performance standards – Part 5: ATM-PON transceivers with LD driver and CDR ICs (IEC 62149-5:2020)	33.180.20; 33.180.30	2020-09
EN IEC 62271-108	High-voltage switchgear and controlgear – Part 108: High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:2020)	29.130.10	2020-09
EN IEC 62351-4/A1	Power systems management and associated information exchange – Data and communications security – Part 4: Profiles including MMS and derivatives (IEC 62351-4:2018/A1:2020)	33.200; 35.030; 35.240.50	2020-09
EN IEC 62541-3	OPC Unified Architecture – Part 3: Address Space Model (IEC 62541-3:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62541-4	OPC Unified Architecture – Part 4: Services (IEC 62541-4:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62541-5	OPC Unified Architecture – Part 5: Information Model (IEC 62541-5:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62541-6	OPC Unified Architecture – Part 6: Mappings (IEC 62541-6:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62541-10	OPC Unified Architecture – Part 10: Programs (IEC 62541-10:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62541-14	OPC unified architecture – Part 14: PubSub (IEC 62541-14:2020)	25.040.40; 35.100.05; 35.200; 35.240.50	2020-09
EN IEC 62790	Junction boxes for photovoltaic modules – Safety requirements and tests (IEC 62790:2020)	27.160; 29.120.10	2020-09
EN IEC 62828-4	Reference conditions and procedures for testing industrial and process measurement transmitters – Part 4: Specific procedures for level transmitters (IEC 62828-4:2020)	17.220.20; 25.040.40	2020-09
EN IEC 62828-5	Reference conditions and procedures for testing industrial and process measurement transmitters – Part 5: Specific procedures for flow transmitters (IEC 62828-5:2020)	17.220.20; 25.040.40	2020-09

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EN IEC 62885-4	Surface cleaning appliances – Part 4: Cordless dry vacuum cleaners for household or similar use – Methods for measuring the performance (IEC 62885-4:2020)	97.080	2020-09
EN IEC 62890	Industrial-process measurement, control and automation – Life-cycle-management for systems and components (IEC 62890:2020)	25.040.40; 35.240.50	2020-09
EN IEC 62966-2	Mechanical structures for electrical and electronic equipment – Aisle containment for IT cabinets – Part 2: Details of air flow, air separation and air cooling requirements (IEC 62966-2:2020)	31.240	2020-09
EN IEC 63041-3	Piezoelectric sensors – Part 3: Physical sensors (IEC 63041-3:2020)	31.140	2020-09
EN IEC 63103	Lighting equipment – Non-active mode power measurement (IEC 63103:2020)	29.140.01; 29.140.99; 91.160.01	2020-09
EN IEC 63252	Energy consumption of vending machines (IEC 63252:2020)	27.015; 55.230; 97.130.20	2020-09
EN ISO 20387	Biotechnology – Biobanking – General requirements for biobanking (ISO 20387:2018)	07.080	2020-09
HD 361 S4	System for cable designation	29.060.20	2020-09

Europska normizacija (ETSI)

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ETSI TR 101506 V 2.2.1	Fixed Radio Systems – Generic definitions, terminology and applicability of essential requirements covering article 3.2 of Directive 2014/53/EU to Fixed Radio Systems	33.060.30	2020-09
ETSI TS 102412 V 16.1.0	Smart Cards – Smart Card Platform Requirements Stage 1 (Release 16)	35.240.15	2020-09
ETSI TS 102600 V 10.1.0	Smart Cards – UICC-Terminal interface – Characteristics of the USB interface (Release 10)	35.240.15	2020-09
ETSI TR 103119 V 1.2.1	Methods for Testing and Specification (MTS) – The Test Description Language (TDL) – Reference Implementation	35.080	2020-09
ETSI TR 103455 V 1.1.1	Human Factors (HF) – Smart cities and communities – Standardization for citizens and consumers	33.040.01	2020-09
ETSI TR 103579 V 1.1.1	Intelligent Transport Systems (ITS) – Pre-Standardization Study on payment applications in Cooperative ITS using V2I communication	35.240.60	2020-09
ETSI TS 103640 V 1.1.1	Speech and multimedia Transmission Quality (STQ) – Test Methods and Performance Requirements for Active Noise Cancellation Headsets and other Earphones	33.040.01	2020-09
ETSI TR 103644 V 1.2.1	CYBER – Observations from the SUCCESS project regarding smart meter security	33.040.99; 35.030	2020-09
ETSI TS 103666-1 V 15.3.0	Smart Secure Platform (SSP) – Part 1: General characteristics (Release 15)	35.240.15	2020-09
ETSI TS 103666-2 V 15.3.0	Smart Secure Platform (SSP) – Part 2: Integrated SSP (iSSP) characteristics (Release 15)	35.240.15	2020-09
ETSI TS 103723 V 1.1.1	Intelligent Transport Systems (ITS) – Profile for LTE-V2X Direct Communication	35.240.60	2020-09
ETSI TS 122066 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Support of Mobile Number Portability (MNP) – Service description – Stage 1 (3GPP TS 22.066 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 122104 V 16.5.0	5G – Service requirements for cyber-physical control applications in vertical domains (3GPP TS 22.104 version 16.5.0 Release 16)	33.070.50	2020-09
ETSI TS 122519 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Business communication requirements (3GPP TS 22.519 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 123501 V 16.5.1	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.5.1 Release 16)	33.070.50	2020-09
ETSI TS 123502 V 16.5.1	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.5.1 Release 16)	33.070.50	2020-09
ETSI TS 123503 V 16.5.1	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.5.1 Release 16)	33.070.50	2020-09
ETSI TS 124303 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Mobility management based on Dual-Stack Mobile IPv6 – Stage 3 (3GPP TS 24.303 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 125912 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Feasibility study for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN) (3GPP TR 25.912 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TR 125992 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Broadcast/Multicast Service (MBMS) – UTRAN/GERAN requirements (3GPP TR 25.992 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 126114 V 16.6.1	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 16.6.1 Release 16)	33.070.50	2020-09
ETSI TS 126238 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Uplink streaming (3GPP TS 26.238 version 16.5.0 Release 16)	33.070.50	2020-09
ETSI TS 126247 V 15.6.0	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 15.6.0 Release 15)	33.070.50	2020-09
ETSI TS 126247 V 16.3.0	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 16.3.0 Release 16)	33.070.50	2020-09
ETSI TS 126347 V 15.2.0	LTE – Multimedia Broadcast/Multicast Service (MBMS) – Application Programming Interface and URL (3GPP TS 26.347 version 15.2.0 Release 15)	33.070.50	2020-09
ETSI TS 126347 V 16.3.1	LTE – Multimedia Broadcast/Multicast Service (MBMS) – Application Programming Interface and URL (3GPP TS 26.347 version 16.3.1 Release 16)	33.070.50	2020-09
ETSI TS 126442 V 12.13.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 12.13.0 Release 12)	33.070.50	2020-09
ETSI TS 126442 V 13.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 13.8.0 Release 13)	33.070.50	2020-09
ETSI TS 126442 V 14.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 14.4.0 Release 14)	33.070.50	2020-09
ETSI TS 126442 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 15.2.0 Release 15)	33.070.50	2020-09
ETSI TS 126443 V 12.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 12.12.0 Release 12)	33.070.50	2020-09
ETSI TS 126443 V 13.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 13.8.0 Release 13)	33.070.50	2020-09
ETSI TS 126443 V 14.4.2	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 14.4.2 Release 14)	33.070.50	2020-09

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ETSI TS 126443 V 15.2.2	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 15.2.2 Release 15)	33.070.50	2020-09
ETSI TS 126443 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – ANSI C code (floating-point) (3GPP TS 26.443 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TS 126444 V 12.12.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 12.12.0 Release 12)	33.070.50	2020-09
ETSI TS 126444 V 13.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 13.7.0 Release 13)	33.070.50	2020-09
ETSI TS 126444 V 14.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 14.4.0 Release 14)	33.070.50	2020-09
ETSI TS 126444 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 15.2.0 Release 15)	33.070.50	2020-09
ETSI TS 126444 V 16.3.1	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Test sequences (3GPP TS 26.444 version 16.3.1 Release 16)	33.070.50	2020-09
ETSI TS 126447 V 12.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 12.8.0 Release 12)	33.070.50	2020-09
ETSI TS 126447 V 13.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 13.3.0 Release 13)	33.070.50	2020-09
ETSI TS 126447 V 14.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 14.2.0 Release 14)	33.070.50	2020-09
ETSI TS 126447 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 15.1.0 Release 15)	33.070.50	2020-09
ETSI TS 126447 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – Codec for Enhanced Voice Services (EVS) – Error concealment of lost packets (3GPP TS 26.447 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TS 126501 V 16.4.1	5G – 5G Media Streaming (5GMS) – General description and architecture (3GPP TS 26.501 version 16.4.1 Release 16)	33.070.50	2020-09
ETSI TS 126511 V 16.0.0	5G – 5G Media Streaming (5GMS) – Profiles, codecs and formats (3GPP TS 26.511 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126902 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Video codec performance (3GPP TR 26.902 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TR 126903 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Improved video support for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) Services (3GPP TR 26.903 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126904 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Improved video coding support (3GPP TR 26.904 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126911 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Codec(s) for Circuit-Switched (CS) multimedia telephony service – Terminal implementor's guide (3GPP TR 26.911 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126914 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia telephony over IP Multimedia Subsystem (IMS) – Optimization opportunities (3GPP TR 26.914 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126917 V 16.0.0	LTE – Multimedia Broadcast Multicast Services (MBMS) and Packet-switched Streaming Service (PSS) enhancements to support television services (3GPP TR 26.917 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126922 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Video telephony robustness improvements extensions – Performance evaluation (3GPP TR 26.922 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TR 126923 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on media handling aspects of IP Multimedia Subsystem (IMS) based telepresence (3GPP TR 26.923 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126924 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia telephony over IP Multimedia Subsystem (IMS) – Study on improved end-to-end Quality of Service (QoS) handling for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.924 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TR 126931 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Evaluation of Additional Acoustic Tests for Speech Telephony (3GPP TR 26.931 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126935 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Packet Switched (PS) conversational multimedia applications – Performance characterisation of default codecs (3GPP TR 26.935 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126936 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Performance characterization of 3GPP audio codecs (3GPP TR 26.936 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126937 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Real-time Transport Protocol (RTP) usage model (3GPP TR 26.937 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126938 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Packet-switched Streaming Service (PSS) – Improved support for dynamic adaptive streaming over HTTP in 3GPP (3GPP TR 26.938 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TR 126943 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Recognition performance evaluations of codecs for Speech Enabled Services (SES) (3GPP TR 26.943 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126946 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) user service guidelines (3GPP TR 26.946 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126947 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Broadcast/Multicast Service (MBMS) – Selection and characterisation of application layer Forward Error Correction (FEC) (3GPP TR 26.947 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126948 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Study on video enhancements in 3GPP multimedia services (3GPP TR 26.948 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126949 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Video formats for 3GPP services (3GPP TR 26.949 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126950 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on Surround Sound codec extension for Packet Switched Streaming (PSS) and Multimedia Broadcast/Multicast Service (MBMS) (3GPP TR 26.950 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126953 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Interactivity support for 3GPP-based streaming and download services (3GPP TR 26.953 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126954 V 16.0.0	LTE – Test plan for speech quality and delay through a headset electrical interface (3GPP TR 26.954 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126957 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Study on Server And Network-assisted Dynamic Adaptive Streaming over HTTP (DASH) (SAND) for 3GPP multimedia services (3GPP TR 26.957 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126967 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – eCall data transfer – In-band modem solution (3GPP TR 26.967 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126969 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – eCall data transfer – In-band modem solution – Characterization report (3GPP TR 26.969 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126973 V 16.1.0	5G – Update to fixed-point basic operators (3GPP TR 26.973 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TR 126975 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Performance characterization of the Adaptive Multi-Rate (AMR) speech codec (3GPP TR 26.975 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126976 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec (3GPP TR 26.976 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TR 126978 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase (3GPP TR 26.978 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126980 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia telephony over IP Multimedia Subsystem (IMS) – Media handling aspects of multi-stream multiparty conferencing for Multimedia Telephony Service for IMS (MTSI) (3GPP TR 26.980 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126981 V 16.0.0	LTE – MBMS Extensions for Provisioning and Content Ingestion (3GPP TR 26.981 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 126989 V 16.0.0	LTE – Mission Critical Push To Talk (MCPTT) – Media, codecs and Multimedia Broadcast/Multicast Service (MBMS) enhancements for MCPTT over LTE (3GPP TR 26.989 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128062 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Inband Tandem Free Operation (TFO) of speech codecs – Service description – Stage 3 (3GPP TS 28.062 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128302 V 16.0.0	LTE – Telecommunication management – Licensed Shared Access (LSA) Controller (LC) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.302 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128304 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP) – Requirements (3GPP TS 28.304 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128305 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Control and monitoring of Power, Energy and Environmental (PEE) parameters Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.305 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128390 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Fixed Mobile Convergence (FMC) – Interface Integration Reference Point (IRP) Solution Profiles (SPs) (3GPP TS 28.390 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 128627 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Self-Organizing Networks (SON) Policy Network Resource Model (NRM) Integration Reference Point (IRP) – Requirements (3GPP TS 28.627 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 129994 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults (3GPP TR 29.994 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 131124 V 15.8.0	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 15.8.0 Release 15)	33.070.50	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 131124 V 16.0.0	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 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 136101 V 13.19.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio transmission and reception (3GPP TS 36.101 version 13.19.1 Release 13)	33.070.50; 33.070.99	2020-09
ETSI TS 136113 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 16.2.0 Release 16)	33.070.50	2020-09
ETSI TS 136124 V 16.1.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 36.124 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TS 136133 V 14.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 14.15.0 Release 14)	33.070.50; 33.070.99	2020-09
ETSI TS 136133 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 15.10.0 Release 15)	33.070.50; 33.070.99	2020-09
ETSI TS 136133 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 16.6.0 Release 16)	33.070.50; 33.070.99	2020-09
ETSI TS 136211 V 14.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 14.15.0 Release 14)	33.070.50	2020-09
ETSI TS 136211 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 15.10.0 Release 15)	33.070.50	2020-09
ETSI TS 136211 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical channels and modulation (3GPP TS 36.211 version 16.2.0 Release 16)	33.070.50	2020-09
ETSI TS 136213 V 14.15.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 14.15.0 Release 14)	33.070.50	2020-09
ETSI TS 136213 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 15.10.0 Release 15)	33.070.50	2020-09
ETSI TS 136213 V 16.2.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer procedures (3GPP TS 36.213 version 16.2.0 Release 16)	33.070.50	2020-09
ETSI TS 136412 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 signalling transport (3GPP TS 36.412 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 136422 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 signalling transport (3GPP TS 36.422 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 136443 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – M2 Application Protocol (M2AP) (3GPP TS 36.443 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 136455 V 16.0.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – LTE Positioning Protocol A (LPPa) (3GPP TS 36.455 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 136508 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Common test environments for User Equipment (UE) conformance testing (3GPP TS 36.508 version 16.5.0 Release 16)	33.070.50	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136521-1 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Conformance testing (3GPP TS 36.521-1 version 16.5.0 Release 16)	33.070.50	2020-09
ETSI TS 136521-3 V 16.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 3: Radio Resource Management (RRM) conformance testing (3GPP TS 36.521-3 version 16.5.0 Release 16)	33.070.50	2020-09
ETSI TS 136523-3 V 16.5.1	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 3: Test suites (3GPP TS 36.523-3 version 16.5.1 Release 16)	33.070.50	2020-09
ETSI TS 137104 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 15.11.0 Release 15)	33.070.50	2020-09
ETSI TS 137104 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 16.6.0 Release 16)	33.070.50	2020-09
ETSI TS 137105 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 15.9.0 Release 15)	33.070.99	2020-09
ETSI TS 137105 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 16.4.0 Release 16)	33.070.99	2020-09
ETSI TS 137106 V 16.0.0	LTE – User Equipment (UE) requirements for shared spectrum channel access (3GPP TS 37.106 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137107 V 15.2.0	LTE – Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 15.2.0 Release 15)	33.070.99	2020-09
ETSI TS 137107 V 16.0.0	LTE – Base Station (BS) requirements and conformance tests for shared spectrum channel access (3GPP TS 37.107 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137113 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 15.9.0 Release 15)	33.070.50	2020-09
ETSI TS 137113 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 137114 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 15.9.0 Release 15)	33.070.99	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137114 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.114 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137141 V 15.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 15.11.0 Release 15)	33.070.50	2020-09
ETSI TS 137141 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR, E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) conformance testing (3GPP TS 37.141 version 16.6.0 Release 16)	33.070.50	2020-09
ETSI TS 137145-1 V 15.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 15.7.0 Release 15)	33.070.99	2020-09
ETSI TS 137145-1 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 1: conducted conformance testing (3GPP TS 37.145-1 version 16.4.0 Release 16)	33.070.99	2020-09
ETSI TS 137145-2 V 15.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 15.7.0 Release 15)	33.070.99	2020-09
ETSI TS 137145-2 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) conformance testing – Part 2: radiated conformance testing (3GPP TS 37.145-2 version 16.4.0 Release 16)	33.070.99	2020-09
ETSI TS 137171 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) performance requirements for RAT-Independent positioning enhancements (3GPP TS 37.171 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137324 V 16.1.0	LTE – 5G – Evolved Universal Terrestrial Radio Access (E-UTRA) and NR – Service Data Adaptation Protocol (SDAP) specification (3GPP TS 37.324 version 16.1.0 Release 16)	33.070.99	2020-09
ETSI TS 137340 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.2.0 Release 16)	33.070.99	2020-09
ETSI TS 137460 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – luan interface: General aspects and principles (3GPP TS 37.460 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137461 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – luan interface: Layer 1 (3GPP TS 37.461 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137462 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – luan interface: Signalling transport (3GPP TS 37.462 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137466 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – luan interface: Application part (3GPP TS 37.466 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 137470 V 16.2.0	LTE – 5G – W1 interface – General aspects and principles (3GPP TS 37.470 version 16.2.0 Release 16)	33.070.50	2020-09

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ETSI TS 137471 V 16.1.0	LTE – 5G – W1 interface – Layer 1 (3GPP TS 37.471 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TS 137472 V 16.1.0	LTE – 5G – W1 interface – Signalling transport (3GPP TS 37.472 version 16.1.0 Release 16)	33.070.50	2020-09
ETSI TS 137473 V 16.2.0	LTE – 5G – W1 interface – Application Protocol (W1AP) (3GPP TS 37.473 version 16.2.0 Release 16)	33.070.50	2020-09
ETSI TS 137544 V 15.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) Over The Air (OTA) performance – Conformance testing (3GPP TS 37.544 version 15.0.0 Release 15)	33.070.99	2020-09
ETSI TS 137544 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) – User Equipment (UE) Over The Air (OTA) performance – Conformance testing (3GPP TS 37.544 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TR 137900 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Radio Frequency (RF) requirements for Multicarrier and Multiple Radio Access Technology (Multi-RAT) Base Station (BS) (3GPP TR 37.900 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 137902 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Measurements of User Equipment (UE) radio performances for LTE/UMTS terminals – Total Radiated Power (TRP) and Total Radiated Sensitivity (TRS) test methodology (3GPP TR 37.902 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 137941 V 15.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 15.0.0 Release 15)	33.070.50	2020-09
ETSI TR 137941 V 16.0.1	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Radio Frequency (RF) conformance testing background for radiated Base Station (BS) requirements (3GPP TR 37.941 version 16.0.1 Release 16)	33.070.50	2020-09
ETSI TR 137976 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Measurement of radiated performance for Multiple Input Multiple Output (MIMO) and multi-antenna reception for High Speed Packet Access (HSPA) and LTE terminals (3GPP TR 37.976 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 137977 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Verification of radiated multi-antenna reception performance of User Equipment (UE) (3GPP TR 37.977 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 138113 V 16.0.0	5G – NR – Base Station (BS) ElectroMagnetic Compatibility (EMC) (3GPP TS 38.113 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 138124 V 15.3.0	5G – NR – Electromagnetic compatibility (EMC) requirements for mobile terminals and ancillary equipment (3GPP TS 38.124 version 15.3.0 Release 15)	33.070.99	2020-09
ETSI TS 138133 V 15.10.0	5G – NR – Requirements for support of radio resource management (3GPP TS 38.133 version 15.10.0 Release 15)	33.070.99	2020-09
ETSI TS 138201 V 16.0.0	5G – NR – Physical layer – General description (3GPP TS 38.201 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 138412 V 16.0.0	5G – NG-RAN – NG signalling transport (3GPP TS 38.412 version 16.0.0 Release 16)	33.070.99	2020-09

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ETSI TS 138422 V 16.0.0	5G – NG-RAN – Xn signalling transport (3GPP TS 38.422 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 138455 V 16.0.0	5G – NG-RAN – NR Positioning Protocol A (NRPPa) (3GPP TS 38.455 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 138472 V 16.0.0	5G – NG-RAN – F1 signalling transport ž(3GPP TS 38.472 version 16.0.0 Release 16)	33.070.99	2020-09
ETSI TS 138521-1 V 16.4.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 1: Range 1 standalone (3GPP TS 38.521-1 version 16.4.0 Release 16)	33.070.99	2020-09
ETSI TS 138533 V 16.4.0	5G – NR – User Equipment (UE) conformance specification – Radio Resource Management (RRM) (3GPP TS 38.533 version 16.4.0 Release 16)	33.070.99	2020-09
ETSI TS 142043 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Support of Localised Service Area (SoLSA) – Service description – Stage 1 (3GPP TS 42.043 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 142056 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – GSM Cordless Telephony System (CTS), Phase 1 – Service description – Stage 1 (3GPP TS 42.056 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 142068 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Voice Group Call Service (VGCS) – Stage 1 (3GPP TS 42.068 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 142069 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Voice Broadcast Service (VBS) – Stage 1 (3GPP TS 42.069 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 143050 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system (3GPP TS 43.050 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146001 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Processing functions (3GPP TS 46.001 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146002 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Half rate speech processing functions (3GPP TS 46.002 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146006 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – ANSI-C code for the GSM half rate speech codec (3GPP TS 46.006 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146008 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half Rate Speech – Performance Characterization of the GSM Half Rate speech codec (3GPP TS 46.008 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146010 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Transcoding (3GPP TS 46.010 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146011 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Substitution and muting of lost frames for full rate speech channels (3GPP TS 46.011 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146012 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Comfort noise aspect for full rate speech traffic channels (3GPP TS 46.012 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146020 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Half rate speech transcoding (3GPP TS 46.020 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TS 146022 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Comfort noise aspects for the half rate speech traffic channels (3GPP TS 46.022 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146031 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Discontinuous Transmission (DTX) for full rate speech traffic channels (3GPP TS 46.031 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146032 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Full rate speech – Voice Activity Detector (VAD) for full rate speech traffic channels (3GPP TS 46.032 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146041 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Discontinuous Transmission (DTX) for half rate speech traffic channels (3GPP TS 46.041 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146042 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Half rate speech – Voice Activity Detector (VAD) for half rate speech traffic channels (3GPP TS 46.042 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146051 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Enhanced Full Rate (EFR) speech processing functions – General description (3GPP TS 46.051 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146053 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.053 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146054 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Test sequences for the GSM Enhanced Full Rate (EFR) speech codec (3GPP TS 46.054 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 146055 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec (3GPP TR 46.055 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146060 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Enhanced Full Rate (EFR) speech transcoding (3GPP TS 46.060 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146061 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.061 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146062 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.062 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TR 146076 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Adaptive Multi-Rate (AMR) speech codec – Study phase report (3GPP TR 46.076 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146081 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.081 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 146082 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels (3GPP TS 46.082 version 16.0.0 Release 16)	33.070.50	2020-09

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ETSI TR 146085 V 16.0.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation (3GPP TR 46.085 version 16.0.0 Release 16)	33.070.50	2020-09
ETSI TS 186001-5 V 2.4.0	Core Network and Interoperability Testing (INT) – Network Integration Testing between SIP and ISDN/PSTN network signalling protocols – Part 5: Test Suite Structure and Test Purposes (TSS&TP) for Network Integration Tests between ISDN-ISDN and ISDN-PSTN over SIP II NNI/SIP-I NNI	33.040.99	2020-09
ETSI GR NFV-EVE 016 V 1.1.1	Network Functions Virtualisation (NFV) – Evolution and Ecosystem – Report on Connection-based Virtual Services	35.110	2020-09
ETSI GS NFV-SOL 001 V 2.8.1	Network Functions Virtualisation (NFV) Release 2 – Protocols and Data Models – NFV descriptors based on TOSCA specification	35.110	2020-09
ETSI GS NFV-SOL 001 V 3.3.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – NFV descriptors based on TOSCA specification	35.110	2020-09
ETSI GS NFV-SOL 005 V 2.8.1	Network Functions Virtualisation (NFV) Release 2 – Protocols and Data Models – RESTful protocols specification for the Os-Ma-nfvo Reference Point	35.110	2020-09
ETSI GS NFV-SOL 005 V 3.3.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – RESTful protocols specification for the Os-Ma-nfvo Reference Point	35.110	2020-09
ETSI GS NFV-SOL 013 V 2.8.1	Network Functions Virtualisation (NFV) Release 2 – Protocols and Data Models – Specification of common aspects for RESTful NFV MANO APIs	35.110	2020-09
ETSI GS NFV-SOL 013 V 3.3.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – Specification of common aspects for RESTful NFV MANO APIs	35.110	2020-09
ETSI GS NFV-TST 010 V 2.6.1	Network Functions Virtualisation (NFV) Release 2 – Testing – API Conformance Testing Specification	35.110	2020-09
EN 301489-17 V 3.2.4	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband Data Transmission Systems – Harmonised Standard for ElectroMagnetic Compatibility	33.100.10	2020-09
EN 303213-4-1 V 2.1.1	Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces – Sub-part 1: Generic requirements for non-cooperative sensor	49.090	2020-09
EN 303213-4-2 V 2.1.1	Advanced Surface Movement Guidance and Control System (A-SMGCS) – Part 4: Community Specification for a deployed non-cooperative sensor including its interfaces – Sub-part 2: Specific requirements for a deployed Surface Movement Radar sensor	49.090	2020-09
EN 303340 V 1.2.1	Digital Terrestrial TV Broadcast Receivers – Harmonised Standard for access to radio spectrum	33.160.25	2020-09

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 719	Glass – Hydrolytic resistance of glass grains at 98 °C – Method of test and classification	81.040.01	2020-09
ISO 720	Glass – Hydrolytic resistance of glass grains at 121 °C – Method of test and classification	81.040.01	2020-09
ISO 1170	Coal and coke – Calculation of analyses to different bases	73.040; 75.160.10	2020-09
ISO 1213-1	Coal and coke – Vocabulary – Part 1: Terms relating to coal preparation	01.040.73; 73.040	2020-09
ISO 1460	Metallic coatings – Hot dip galvanized coatings on ferrous materials – Gravimetric determination of the mass per unit area	25.220.40	2020-09
ISO 1891-2 AMD 1	Fasteners – Terminology – Part 2: Vocabulary and definitions for coatings; Amendment 1	01.040.21; 21.060.01	2020-09
ISO 2302	Isobutene-isoprene rubber (IIR) – Evaluation procedure	83.060	2020-09
ISO 2810	Paints and varnishes – Natural weathering of coatings – Exposure and assessment	87.040	2020-09
ISO 3104	Petroleum products – Transparent and opaque liquids – Determination of kinematic viscosity and calculation of dynamic viscosity	75.080	2020-09
ISO 3303-1	Rubber- or plastics-coated fabrics – Determination of bursting strength – Part 1: Steel-ball method	59.080.40	2020-09
ISO 3548-2	Plain bearings – Thin-walled half bearings with or without flange – Part 2: Measurement of wall thickness and flange thickness	21.100.10	2020-09
ISO 4126-3	Safety devices for protection against excessive pressure – Part 3: Safety valves and bursting disc safety devices in combination	13.240	2020-09
ISO 4250-3	Earth-mover tyres and rims – Part 3: Rims	53.100	2020-09
ISO/TR 4450	Quality management systems – Guidance for the application of ISO 19443:2018	03.100.70; 03.120.10; 27.120.01	2020-09
ISO 5011	Inlet air cleaning equipment for internal combustion engines and compressors – Performance testing	43.060.20	2020-09
ISO 5893 AMD 1	Rubber and plastics test equipment – Tensile, flexural and compression types (constant rate of traverse) – Specification; Amendment 1	83.200	2020-09
ISO 6259-2	Thermoplastics pipes – Determination of tensile properties – Part 2: Pipes made of unplasticized poly(vinyl chloride) (PVC-U), oriented unplasticized poly(vinyl chloride) (PVC-O), chlorinated poly(vinyl chloride) (PVC-C) and high-impact poly(vinyl chloride) (PVC-HI)	23.040.20	2020-09
ISO 7240-13	Fire detection and alarm systems – Part 13: Compatibility assessment of system components	13.220.20	2020-09
ISO 8502-15	Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 15: Extraction of soluble contaminants for analysis by acid extraction	25.220.10	2020-09
ISO 8549-1	Prosthetics and orthotics – Vocabulary – Part 1: General terms for external limb prostheses and external orthoses	01.040.11; 11.040.40	2020-09
ISO 8549-2	Prosthetics and orthotics – Vocabulary – Part 2: Terms relating to external limb prostheses and wearers of these prostheses	01.040.11; 11.040.40	2020-09
ISO 8549-3	Prosthetics and orthotics – Vocabulary – Part 3: Terms relating to orthoses	01.040.11; 11.040.40	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 8549-4	Prosthetics and orthotics – Vocabulary – Part 4: Terms relating to limb amputation	01.040.11; 11.040.40	2020-09
ISO 8600-6	Endoscopes – Medical endoscopes and endotherapy devices – Part 6: Vocabulary	01.040.37; 11.040.55; 37.020	2020-09
ISO 8794	Steel wire ropes – Spliced eye terminations for slings	77.140.65	2020-09
ISO 9022-3 AMD 1	Optics and photonics – Environmental test methods – Part 3: Mechanical stress; Amendment 1	37.020	2020-09
ISO 9053-2	Acoustics – Determination of airflow resistance – Part 2: Alternating airflow method	91.100.60	2020-09
ISO 9182-3	Tools for pressing – Guide pillars – Part 3: Type B, end-locking pillars	25.120.10	2020-09
ISO 9182-4	Tools for pressing – Guide pillars – Part 4: Type C, pillars with taper lead and bush	25.120.10	2020-09
ISO 9182-5	Tools for pressing – Guide pillars – Part 5: Type D, end-locking pillars with flange	25.120.10	2020-09
ISO 9198	Paper, board and pulp – Determination of water-soluble sulfates	85.040; 85.060	2020-09
ISO 9453	Soft solder alloys – Chemical compositions and forms	25.160.50	2020-09
ISO 11063	Soil quality – Direct extraction of soil DNA	13.080.30	2020-09
ISO/TR 11064-10	Ergonomic design of control centres – Part 10: Introduction to the control room design series of standards	13.180	2020-09
ISO 11929-4	Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 4: Guidelines to applications	17.240	2020-09
ISO 11979-5	Ophthalmic implants – Intraocular lenses – Part 5: Biocompatibility	11.040.70	2020-09
ISO 12140-1	Agricultural trailers and trailed equipment – Drawbar jacks – Part 1: Design safety, test methods and acceptance criteria	65.060.01	2020-09
ISO 12140-2	Agricultural trailers and trailed equipment – Drawbar jacks – Part 2: Application safety, test methods and acceptance criteria	65.060.01	2020-09
ISO 12647-6	Graphic technology – Process control for the production of half-tone colour separations, proofs and production prints – Part 6: Flexographic printing	37.100.01	2020-09
ISO 12925-2	Lubricants, industrial oils and related products (class L) – Family C (gears) – Part 2: Specifications of categories CKH, CKJ and CKM (lubricants open and semi-enclosed gear systems)	75.100	2020-09
ISO 13616-1	Financial services – International bank account number (IBAN) – Part 1: Structure of the IBAN	03.060	2020-09
ISO 13616-2	Financial services – International bank account number (IBAN) – Part 2: Role and responsibilities of the Registration Authority	03.060	2020-09
ISO 14040 AMD 1	Environmental management – Life cycle assessment – Principles and framework – Amendment 1	13.020.10; 13.020.60	2020-09
ISO 14044 AMD 2	Environmental management – Life cycle assessment – Requirements and guidelines – Amendment 2	13.020.10; 13.020.60	2020-09
ISO 14160	Sterilization of health care products – Liquid chemical sterilizing agents for single-use medical devices utilizing animal tissues and their derivatives – Requirements for characterization, development, validation and routine control of a sterilization process for medical devices	11.080.01	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 14411-2	Preparation of particulate reference materials – Part 2: Polydisperse spherical particles	19.120	2020-09
ISO 15118-8	Road vehicles – Vehicle to grid communication interface – Part 8: Physical layer and data link layer requirements for wireless communication	43.120	2020-09
ISO 15500-14	Road vehicles – Compressed natural gas (CNG) fuel system components – Part 14: Excess flow valve	43.060.40	2020-09
ISO 15661	Copper and nickel sulfide ores and concentrates – Determination of total chlorine content – Alkaline fusion and potentiometric titration method	73.060.99	2020-09
ISO 16079-2	Condition monitoring and diagnostics of wind turbines – Part 2: Monitoring the drivetrain	27.180	2020-09
ISO/TR 16219	Fans – System effects and system effect factors	23.120	2020-09
ISO 16273	Ships and marine technology – Night vision equipment for high-speed craft – Operational and performance requirements, methods of testing and required test results	47.020.70	2020-09
ISO 16400-1	Automation systems and integration – Equipment behaviour catalogues for virtual production system – Part 1: Overview	25.040.01	2020-09
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	75.200; 83.140.30	2020-09
ISO 16486-3	Plastics piping systems for the supply of gaseous fuels – Unplasticized polyamide (PA-U) piping systems with fusion jointing and mechanical jointing – Part 3: Fittings	75.200; 83.140.30	2020-09
ISO/TS 16791	Health informatics – Requirements for international machine-readable coding of medicinal product package identifiers	35.240.80	2020-09
ISO 17069	Accessible design – Consideration and assistive products for accessible meeting	11.180.01; 13.180	2020-09
ISO 17200	Nanotechnology – Nanoparticles in powder form – Characteristics and measurements	07.120	2020-09
ISO 17730	Dentistry – Fluoride varnishes	97.170	2020-09
ISO 18496	Brazing – Fluxes for brazing – Classification and technical delivery conditions	25.160.50	2020-09
ISO 18861	Cosmetics – Sun protection test methods – Percentage of water resistance	71.100.70	2020-09
ISO 19168-1	Geographic information – Geospatial API for features – Part 1: Core	35.240.70	2020-09
ISO/TS 19303-1	Graphic technology – Guidelines for schema writers – Part 1: Packaging printing	37.100.01	2020-09
ISO/TS 19321	Intelligent transport systems – Cooperative ITS – Dictionary of in-vehicle information (IVI) data structures	35.240.60; 43.040.15	2020-09
ISO 19698	Sludge recovery, recycling, treatment and disposal – Beneficial use of biosolids – Land application	13.030.20	2020-09
ISO 19935-2	Plastics – Temperature modulated DSC – Part 2: Measurement of specific heat capacity cp	83.080.01	2020-09
ISO 20176	Road vehicles – H-point machine (HPM-II) – Specifications and procedure for H-point determination	43.020	2020-09
ISO 20305	Mine closure and reclamation – Vocabulary	01.040.73; 73.020	2020-09
ISO 20326 AMD 1	Resilient floor coverings – Specification for floor panels/assembly for loose laying – Amendment 1: Requirements depending on the substrate	97.150	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 20329	Plastics – Determination of abrasive wear by reciprocating linear sliding motion	83.080.01	2020-09
ISO 20349-1 AMD 1	Personal protective equipment – Footwear protecting against risks in foundries and welding – Part 1: Requirements and test methods for protection against risks in foundries; Amendment 1	13.340.50	2020-09
ISO 20349-2 AMD 1	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; Amendment 1	13.340.50	2020-09
ISO 20560-1	Safety information for the content of piping systems and tanks – Part 1: Piping systems	01.080.20	2020-09
ISO/TS 20721	Implants for surgery – General guidelines and requirements for assessment of absorbable metallic implants	11.040.40	2020-09
ISO 21072-3	Ships and marine technology – Marine environment protection: performance testing of oil skimmers – Part 3: High viscosity oil	13.020.99; 47.020.99	2020-09
ISO/TS 21176	Cooperative intelligent transport systems (C-ITS) – Position, velocity and time functionality in the ITS station	03.220.01; 35.240.60	2020-09
ISO 21308-2	Road vehicles – Product data exchange between chassis and bodywork manufacturers (BEP) – Part 2: Dimensional bodywork exchange parameters	43.080.01	2020-09
ISO 21308-3	Road vehicles – Product data exchange between chassis and bodywork manufacturers (BEP) – Part 3: General, mass and administrative exchange parameters	43.080.01	2020-09
ISO/TS 21387	Sterilization of medical devices – Guidance on the requirements for the validation and routine processing of ethylene oxide sterilization processes using parametric release	11.080.01	2020-09
ISO 21583	Firework displays – General guidance	71.100.30	2020-09
ISO 21586	Reference data for financial services – Specification for the description of banking products or services (BPOS)	03.060	2020-09
ISO 21806-1	Road vehicles – Media Oriented Systems Transport (MOST) – Part 1: General information and definitions	43.040.15	2020-09
ISO 21806-2	Road vehicles – Media Oriented Systems Transport (MOST) – Part 2: Application layer	43.040.15	2020-09
ISO 21806-4	Road vehicles – Media Oriented Systems Transport (MOST) – Part 4: Transport layer and network layer	43.040.15	2020-09
ISO 21806-5	Road vehicles – Media Oriented Systems Transport (MOST) – Part 5: Transport layer and network layer conformance test plan	43.040.15	2020-09
ISO 21806-6	Road vehicles – Media Oriented Systems Transport (MOST) – Part 6: Data link layer	43.040.15	2020-09
ISO 21806-7	Road vehicles – Media Oriented Systems Transport (MOST) – Part 7: Data link layer conformance test plan	43.040.15	2020-09
ISO 21876	Machinery for forestry – Saw chain shot protective windows – Test method and performance criteria	65.060.80	2020-09
ISO 21963	Ships and marine technology – Marine environment protection – Tanks and piping systems for facilitating 5 ppm oil-water separation	13.020.99; 47.020.99	2020-09
ISO 22066	Water quality – Determination of total cyanide – Method using segmented flow injection, in-line ultraviolet digestion analysis by gas diffusion and amperometric detection	13.060.50	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 22232-2	Non-destructive testing – Characterization and verification of ultrasonic test equipment – Part 2: Probes	19.100	2020-09
ISO 22383	Security and resilience – Authenticity, integrity and trust for products and documents – Guidelines for the selection and performance evaluation of authentication solutions for material goods	03.100.01	2020-09
ISO/TR 22428-1	Managing records in cloud computing environments – Part 1: Issues and concerns	01.140.20	2020-09
ISO 22442-1	Medical devices utilizing animal tissues and their derivatives – Part 1: Application of risk management	11.100.20	2020-09
ISO 22442-2	Medical devices utilizing animal tissues and their derivatives – Part 2: Controls on sourcing, collection and handling	11.100.20	2020-09
ISO 22476-9	Geotechnical investigation and testing – Field testing – Part 9: Field vane test (FVT and FVT-F)	93.020	2020-09
ISO 22509	Glass in building – Heat strengthened soda lime silicate glass	81.040.20	2020-09
ISO 22579	Infant formula and adult nutritionals – Determination of fructans – High performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) after enzymatic treatment	67.050	2020-09
ISO 22731	Carbonaceous materials used in the production of aluminium – Cathode – Cathode abrasion testing	71.100.10	2020-09
ISO/TS 22756	Health Informatics – Requirements for a knowledge base for clinical decision support systems to be used in medication-related processes	35.240.80	2020-09
ISO 22836	Fibre-reinforced composites – Method for accelerated moisture absorption and supersaturated conditioning by moisture using sealed pressure vessel	83.120	2020-09
ISO 23052	Anodizing of aluminium and its alloys – Test method for chemical resistance of anodic oxidation coatings on aluminium and its alloys using electromotive force apparatus	25.220.20	2020-09
ISO 23056	Water reuse in urban areas – Guidelines for decentralized/onsite water reuse system – Design principles of a decentralized/onsite system	13.060.01	2020-09
ISO 23130	Milking and cooling machine installations – Monitoring device for bulk milk cooling tanks – Requirements	65.040.10	2020-09
ISO 23381	Determination of salt out (crystallization) temperature of liquid fertilizers	65.080	2020-09
ISO 23402-1	Dentistry – Portable dental equipment for use in non-permanent healthcare environment – Part 1: General requirements	11.060.20	2020-09
ISO 23498	Graphic technology – Visual opacity of printed white ink	87.080	2020-09
ISO/TR 23891	Plastics – Recycling and recovery – Necessity of standards	13.030.50; 83.080.01	2020-09
ISO 23906-1	Cigarettes – Determination of benzo[a]pyrene in cigarette mainstream smoke with an intense smoking regime using GC/MS – Part 1: Method using methanol as extraction solvent	65.160	2020-09
ISO 23921	Cigarettes – Determination of tobacco specific nitrosamines in mainstream cigarette smoke with an intense smoking regime – Method using LC-MS/MS	65.160	2020-09
ISO 23922	Cigarettes – Determination of selected carbonyls in the mainstream smoke of cigarettes with an intense smoking regime – Method using high performance liquid chromatography	65.160	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 23923	Cigarettes – Determination of selected volatile organic compounds in the mainstream smoke of cigarettes with an intense smoking regime – Method using GC/MS	65.160	2020-09
ISO 23978	Natural gas – Upstream area – Determination of composition by Laser Raman spectroscopy	75.060	2020-09
ISO 24016	Jewellery and precious metals – Grading polished diamonds – Terminology, classification and test methods	01.040.39; 39.060	2020-09
ISO/TS 24667	Sports and recreational facilities – Impact surfacing testing device	97.220.01	2020-09
ISO 25178-72 AMD 1	Geometrical product specifications (GPS) – Surface texture: Areal – Part 72: XML file format x3p – AMENDMENT 1	17.040.20	2020-09
ISO 25539-2	Cardiovascular implants – Endovascular devices – Part 2: Vascular stents	11.040.40	2020-09
ISO 27875 AMD 1	Space systems – Re-entry risk management for unmanned spacecraft and launch vehicle orbital stages; Amendment 1: Formula to obtain E_c by the product of the probability of impact on a specific latitude band, and the population within the band, which is integrated over the latitude range covered by the orbital inclination	49.140	2020-09
ISO 29991	Language-learning services – Requirements	03.180	2020-09
ISO 37163	Smart community infrastructures – Smart transportation for parking lot allocation in cities	13.020.20	2020-09
ISO 37165	Smart community infrastructures – Guidance on smart transportation with the use of digitally processed payment (d-payment)	03.220.01; 13.020.20	2020-09
ISO 41014	Facility management – Development of a facility management strategy	03.080.10	2020-09
ISO 50049	Calculation methods for energy efficiency and energy consumption variations at country, region and city levels	27.010	2020-09

Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
CISPR 14-1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission	33.100.10	2020-09
IEC 60050-103 AMD 3	International Electrotechnical Vocabulary (IEV) – Part 103: Mathematics – Functions; Amendment 3	01.040.07; 01.040.29; 07.020; 29.020	2020-09
IEC 60127-2 AMD 1	Miniature fuses – Part 2: Cartridge fuse-links; Amendment 1	29.120.50	2020-09
IEC 60127-2 Edition 3.1	Miniature fuses – Part 2: Cartridge fuse-links	29.120.50	2020-09
IEC 60268-7 AMD 1	Sound system equipment – Part 7: Headphones and earphones; Amendment 1	33.160.50	2020-09
IEC 60268-7 Edition 3.1	Sound system equipment – Part 7: Headphones and earphones	33.160.50	2020-09
IEC 60268-16	Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index	17.140.50; 33.160.01	2020-09
IEC 60268-22	Sound system equipment – Part 22: Electrical and mechanical measurements on transducers	33.160.01	2020-09
IEC 60335-1	Household and similar electrical appliances – Safety – Part 1: General requirements	13.120; 97.030	2020-09
IEC 60335-2-24	Household and similar electrical appliances – Safety – Part 2-24: Particular requirements for refrigerating appliances, ice-cream appliances and ice-makers	97.040.30	2020-09
IEC 60404-8-7	Magnetic materials – Part 8-7: Specifications for individual materials – Cold-rolled grain-oriented electrical steel strip and sheet delivered in the fully-processed state	29.030	2020-09
IEC 60436 Corrigendum 1	Electric dishwashers for household use – Methods for measuring the performance; Corrigendum 1	97.040.40	2020-09
IEC 60601-1-2 AMD 1	Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests; Amendment 1	11.040.01; 33.100.10; 33.100.20	2020-09
IEC 60601-1-2 Edition 4.1	Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests	11.040.01; 33.100.10; 33.100.20	2020-09
IEC 60601-2-19	Medical electrical equipment – Part 2-19: Particular requirements for the basic safety and essential performance of infant incubators	11.040.10	2020-09
IEC 60601-2-20	Medical electrical equipment – Part 2-20: Particular requirements for the basic safety and essential performance of infant transport incubators	11.040.10	2020-09
IEC 60601-2-21	Medical electrical equipment – Part 2-21: Particular requirements for the basic safety and essential performance of infant radiant warmers	11.040.10	2020-09
IEC 60601-2-35	Medical electrical equipment – Part 2-35: Particular requirements for the basic safety and essential performance of heating devices using blankets, pads or mattresses and intended for heating in medical use	11.140	2020-09
IEC 60601-2-50	Medical electrical equipment – Part 2-50: Particular requirements for the basic safety and essential performance of infant phototherapy equipment	11.040.60	2020-09
IEC 60645-3	Electroacoustics – Audiometric equipment – Part 3: Test signals of short duration	13.140; 17.140.50	2020-09
IEC 60747-16-5 AMD 1 Corrigendum 1	Semiconductor devices – Part 16-5: Microwave integrated circuits – Oscillators; Amendment 1; Corrigendum 1	31.080.99	2020-09
IEC 60747-17	Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation	31.080.01; 31.080.99	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60794-6	Optical fibre cables – Part 6: Indoor-outdoor cables – Sectional specification for indoor-outdoor cables	33.180.10	2020-09
IEC 60794-6-10	Optical fibre cables – Part 6-10: Indoor-outdoor cables – Family specification for universal indoor-outdoor cables	33.180.10	2020-09
IEC 60794-6-20	Optical fibre cables – Part 6-20: Indoor-outdoor cables – Family specification for flame retardant outdoor cables	33.180.10	2020-09
IEC 60794-6-30	Optical fibre cables – Part 6-30: Indoor-outdoor cables – Family specification for weatherised indoor cables	33.180.10	2020-09
IEC 60904-1	Photovoltaic devices – Part 1: Measurement of photovoltaic current-voltage characteristics	27.160	2020-09
IEC 60904-4 Corrigendum 1	Photovoltaic devices – Part 4: Photovoltaic reference devices – Procedures for establishing calibration traceability; Corrigendum 1	27.160	2020-09
IEC 60904-9	Photovoltaic devices – Part 9: Classification of solar simulator characteristics	27.160	2020-09
IEC 60904-10	Photovoltaic devices – Part 10: Methods of linear dependence and linearity measurements	27.160	2020-09
IEC 61000-4-3	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency electromagnetic field immunity test	33.100.20	2020-09
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	31.220.10	2020-09
IEC 61290-1-1	Optical amplifiers – Test methods – Part 1-1: Power and gain parameters – Optical spectrum analyzer method	33.180.30	2020-09
IEC/TR 61400-12-4	Wind energy generation systems – Part 12-4: Numerical site calibration for power performance testing of wind turbines	27.180	2020-09
IEC/TR 61431	Guidelines for the use of monitor systems for lead-acid traction batteries	29.220.20	2020-09
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	33.180.20	2020-09
IEC 61837-2 AMD 1	Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures; Amendment 1	01.100.25; 31.140; 31.240	2020-09
IEC 61837-2 Edition 3.1	Surface mounted piezoelectric devices for frequency control and selection – Standard outlines and terminal lead connections – Part 2: Ceramic enclosures	01.100.25; 31.140; 31.240	2020-09
IEC/TR 61850-90-9	Communication networks and systems for power utility automation – Part 90-9: Use of IEC 61850 for Electrical Energy Storage Systems	33.040.40; 33.200	2020-09
IEC/TR 61850-90-11	Communication networks and systems for power utility automation – Part 90-11: Methodologies for modelling of logics for IEC 61850 based applications	33.040.40; 33.200	2020-09
IEC 61937-3 AMD 1	Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats; Amendment 1	33.160.30; 35.040.40	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 61937-3 Edition 3.1	Digital audio – Interface for non-linear PCM encoded audio bitstreams applying IEC 60958 – Part 3: Non-linear PCM bitstreams according to the AC-3 and enhanced AC-3 formats	33.160.30; 35.040.40	2020-09
IEC 61966-12-1	Multimedia systems and equipment – Colour measurement and management – Part 12-1: Metadata for identification of colour gamut (Gamut ID)	17.180.20; 33.160.01; 33.160.40; 37.040.10	2020-09
IEC/TR 62362	Selection of optical fibre cable specifications relative to mechanical, ingress, climatic or electromagnetic characteristics – Guidance	33.180.10	2020-09
IEC 62433-6	EMC IC modelling – Part 6: Models of integrated circuits for pulse immunity behavioural simulation – Conducted pulse immunity modelling (ICIM-CPI)	31.200; 33.100.20	2020-09
IEC/TR 62572-4	Fibre optic active components and devices – Reliability standards – Part 4: Guidelines for optical connector end-face cleaning methods for receptacle style optical transceivers	31.260; 33.180.01	2020-09
IEC 62595-2-4	Display lighting unit – Part 2-4: Electro-optical measuring methods of laser module	31.120; 31.260	2020-09
IEC/TS 62600-4	Marine energy – Wave, tidal and other water current converters – Part 4: Specification for establishing qualification of new technology	07.060; 27.140; 27.190	2020-09
IEC/TS 62607-3-3	Nanomanufacturing – Key control characteristics – Part 3-3: Luminescent nanomaterials – Determination of fluorescence lifetime of semiconductor quantum dots using time correlated single photon counting (TCSPC)	07.030; 07.120	2020-09
IEC 62715-6-3	Flexible display devices – Part 6-3: Mechanical test methods – Impact and hardness tests	31.120	2020-09
IEC 62769-100	Field device integration (FDI) – Part 100: Profiles – Generic protocols	25.040.40; 35.100.05; 35.240.50	2020-09
IEC 62769-115-2	Field device integration (FDI) – Part 115-2: Profiles – Modbus-RTU	25.040.40; 35.100.05	2020-09
IEC 62793	Thunderstorm warning systems – Protection against lightning	07.060; 29.020; 91.120.40	2020-09
IEC 62801	Measurement method of half-wavelength voltage for Mach-Zehnder optical modulator in wireless communication and broadcasting systems	31.260; 33.060.20; 33.180.99	2020-09
IEC/TS 62882	Hydraulic machines – Francis turbine pressure fluctuation transposition	27.140	2020-09
IEC/TS 62898-3-1	Microgrids – Part 3-1: Technical requirements – Protection and dynamic control	29.240.01	2020-09
IEC 62977-2-2	Electronic displays – Part 2-2: Measurements of optical characteristics – Ambient performance	31.120; 31.260	2020-09
IEC 63092-1	Photovoltaics in buildings – Part 1: Requirements for building-integrated photovoltaic modules	27.160	2020-09
IEC 63092-2	Photovoltaics in buildings – Part 2: Requirements for building-integrated photovoltaic systems	27.160	2020-09
IEC 63182-2	Magnetic powder cores – Guidelines on dimensions and the limits of surface irregularities – Part 2: Ring-cores	29.100.10	2020-09
IEC 63211-3-5	Durability test methods for electronic displays – Part 3-5: Mechanical tests – Surface durability	31.120	2020-09
IEC/TR 63289	Conceptual model for TC 100 standardization on multimedia cyber technology	33.160.60; 43.040.15	2020-09
ISO/IEC 9995-12	Information technology – Keyboard layouts for text and office systems – Part 12: Keyboard group selection	35.180	2020-09

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/IEC 13888-1	Information security – Non-repudiation – Part 1: General	35.030	2020-09
ISO/IEC 13888-3	Information security – Non-repudiation – Part 3: Mechanisms using asymmetric techniques	35.030	2020-09
ISO/IEC TR 15067-3-7	Information technology – Home Electronic System (HES) application model – Part 3-7: GridWise transactive energy systems research, development and deployment roadmap	35.200	2020-09
ISO/IEC TR 15067-3-8	Information technology – Home Electronic System (HES) application model – Part 3-8: GridWise transactive energy framework	35.200	2020-09
ISO/IEC TR 19075-9	Information technology database languages – Guidance for the use of database language SQL – Part 9: Online analytic processing (OLAP) capabilities	35.060	2020-09
ISO/IEC 19785-1	Information technology – Common Biometric Exchange Formats Framework – Part 1: Data element specification	35.240.15	2020-09
ISO/IEC 19785-3	Information technology – Common Biometric Exchange Formats Framework – Part 3: Patron format specifications	35.240.15	2020-09
ISO/IEC 19989-1	Information security – Criteria and methodology for security evaluation of biometric systems – Part 1: Framework	35.030	2020-09
ISO/IEC 19989-3	Information security – Criteria and methodology for security evaluation of biometric systems – Part 3: Presentation attack detection	35.030	2020-09
ISO/IEC 20547-4	Information technology – Big data reference architecture – Part 4: Security and privacy	35.020	2020-09
ISO/IEC 23009-2	Information technology – Dynamic adaptive streaming over HTTP (DASH) – Part 2: Conformance and reference software	35.040.40	2020-09
ISO/IEC TS 23078-1	Information technology – Specification of DRM technology for digital publications – Part 1: Overview of copyright protection technologies in use in the publishing industry	35.240.30	2020-09
ISO/IEC TS 23078-2	Information technology – Specification of DRM technology for digital publications – Part 2: User key-based protection	35.240.30	2020-09
ISO/IEC 23836	Information technology – User interfaces – Universal interface for human language selection	35.180	2020-09
ISO/IEC 27035-3	Information technology – Information security incident management – Part 3: Guidelines for ICT incident response operations	35.030	2020-09
ISO/IEC 30112	Information technology – Specification methods for cultural conventions	35.240.20	2020-09