

Hrvatski zavod za norme

Oglasnik za normativne dokumente

4/2017 travanj, 2017.

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

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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Rezultati hrvatske normizacije

1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 12101-2:2017 en pr
Sustavi za upravljanje dimom i toplinom – 2. dio: Ventilatori za prirodno odvođenje dima i topline (EN 12101-2:2017)
Smoke and heat control systems – Part 2: Natural smoke and heat exhaust ventilators (EN 12101-2:2017)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 14916:2017 en pr
Toplinsko naštrcavanje – Određivanje vlačne čvrstoće prijanjanja (ISO 14916:2017; EN ISO 14916:2017)
Thermal spraying – Determination of tensile adhesive strength (ISO 14916:2017; EN ISO 14916:2017)

HRN EN ISO 14917:2017 en pr
Toplinsko naštrcavanje – Nazivlje, razredba (ISO 14917:2017; EN ISO 14917:2017)
Thermal spraying – Terminology, classification (ISO 14917:2017; EN ISO 14917:2017)

HZN/TO 47, *Kemija*

HRN ISO 1770:2001/A1:2017 en pr
Štapni termometri opće namjene (ISO 1770:1981/Amd 1:1983)
Solid-stem general purpose thermometers (ISO 1770:1981/Amd 1:1983)

HZN/TO 54, *Eterična ulja*

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

HRN ISO 3063:2017 en pr
Ulje ilang ilanga (Cananga odorata (Lam.) Hook. f. et Thomson forma genuina) (ISO 3063:2004)
Oil of ylang-ylang (Cananga odorata (Lam.) Hook. f. et Thomson forma genuina) (ISO 3063:2004)

HRN ISO 3064:2017 en pr
Eterično ulje petitgraina, paragvajski tip (Citrus aurantium L. var. Paraguay (syn. Citrus aurantium var. bigaradia Hook f.)) (ISO 3064:2015)
Essential oil of petitgrain, Paraguayan type (Citrus aurantium L. var. Paraguay (syn. Citrus aurantium var. bigaradia Hook f.)) (ISO 3064:2015)

HRN ISO 3527:2017 en pr
Eterično ulje ploda peršina (Petroselinum sativum Hoffm.) (ISO 3527:2016)
Essential oil of parsley fruits (Petroselinum sativum Hoffm.) (ISO 3527:2016)

HRN ISO 3848:2017 en pr
Eterično ulje citronele, javanski tip (ISO 3848:2016)
Essential oil of citronella, Java type (ISO 3848:2016)

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

HRN ISO 8896:2017 en pr
Eterično ulje kima (Carum carvi L.) (ISO 8896:2016)
Essential oil of caraway (Carum carvi L.) (ISO 8896:2016)

HRN ISO 8902:2017 en pr
Eterično ulje lavandina Grosso (Lavandula angustifolia Mill. x Lavandula latifolia Medik.), francuski tip (ISO 8902:2009)
Oil of lavender Grosso (Lavandula angustifolia Mill. x Lavandula latifolia Medik.), French type (ISO 8902:2009)

HZN/TO 89, *Furniri i drvene ploče*

HRN EN 14322:2017 en pr
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Definicija, zahtjevi i razredba (EN 14322:2017)
Wood-based panels – Melamine faced board for interior uses – Definition, requirements and classification (EN 14322:2017)

HZN/TO 135, *Nerazorna ispitivanja*

HRN EN ISO 16946:2017 en pr
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Specifikacija za stepeničasti radni etalon (ISO 16946:2017; EN ISO 16946:2017)
Non-destructive testing – Ultrasonic testing – Specification for step wedge calibration block (ISO 16946:2017; EN ISO 16946:2017)

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

HRS CEN/TS 1453-2:2017 en pr
Plastični cijevni sustavi s cijevima sa strukturiranom stjenkom za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar zgrada – Neomekšani poli(vinil-klorid) (PVC-U) – 2. dio: Upute za ocjenu sukladnosti (CEN/TS 1453-2:2017)
Plastics piping systems with structured wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Guidance for the assessment of conformity (CEN/TS 1453-2:2017)

HZN/TO 145, *Grafički simboli*

HRN ISO 3864-2:2017 en pr
Grafički simboli – Boje i znakovi sigurnosti – 2. dio: Načela oblikovanja sigurnosnih oznaka na proizvodima (ISO 3864-2:2016)
Graphical symbols – Safety colours and safety signs – Part 2: Design principles for product safety labels (ISO 3864-2:2016)

HZN/TO 146, *Kvaliteta zraka*

HRI CEN/TR 17078:2017 en pr
Emisije iz nepokretnih izvora – Upute za primjenu norme EN ISO 16911-1 (CEN/TR 17078:2017)
Stationary source emissions – Guidance on the application of EN ISO 16911-1 (CEN/TR 17078:2017)

HZN/TO 159, *Ergonomija*

HRN EN ISO 9241-112:2017 en pr
Ergonomija interakcije čovjek-sustav – 112. dio: Načela predstavljanja informacija (ISO 9241-112:2017; EN ISO 9241-112:2017)
Ergonomics of human-system interaction – Part 112: Principles for the presentation of information (ISO 9241-112:2017; EN ISO 9241-112:2017)

HZN/TO 167, *Metalne konstrukcije*

HRN EN 1090-5:2017 en pr
Izvođenje čeličnih i aluminijskih konstrukcija – 5. dio: Tehnički zahtjevi za hladno oblikovane aluminijske konstrukcijske elemente i hladno oblikovane konstrukcije za krovove, stropove, podove i zidove (EN 1090-5:2017)
Execution of steel structures and aluminium structures – Part 5: Technical requirements for cold-formed structural aluminium elements and cold-formed structures for roof, ceiling, floor and wall applications (EN 1090-5:2017)

HZN/TO 179, Zidane konstrukcije

HRN EN 772-5:2016/Ispr.1:2017 en pr
Metode ispitivanja zidnih elemenata – 5. dio: Određivanje sadržaja aktivnih topivih soli u opečnim zidnim elementima (EN 772-5:2016/AC:2017)
Methods of test for masonry units – Part 5: Determination of the active soluble salts content of clay masonry units (EN 772-5:2016/AC:2017)

HRN EN 1052-2:2016/Ispr.1:2017 en pr
Metode ispitivanja zida – 2. dio: Određivanje čvrstoće pri savijanju (EN 1052-2:2016/AC:2017)
Methods of test for masonry – Part 2: Determination of flexural strength (EN 1052-2:2016/AC:2017)

HZN/TO 182, Geotehničke konstrukcije

HRN EN ISO 17892-5:2017 en pr
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 5. dio: Edometarsko ispitivanje s inkrementalnim opterećenjem (ISO 17892-5:2017; EN ISO 17892-5:2017)
Geotechnical investigation and testing – Laboratory testing of soil – Part 5: Incremental loading oedometer test (ISO 17892-5:2017; EN ISO 17892-5:2017)

HRN EN ISO 17892-6:2017 en pr
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 6. dio: Pokus s padajućim šiljkom (ISO 17892-6:2017; EN ISO 17892-6:2017)
Geotechnical investigation and testing – Laboratory testing of soil – Part 6: Fall cone test (ISO 17892-6:2017; EN ISO 17892-6:2017)

HZN/TO 190, Kvaliteta tla

HRN EN ISO 11272:2017 en pr
Kvaliteta tla – Određivanje volumne gustoće suhog tla (ISO 11272:2017; EN ISO 11272:2017)
Soil quality – Determination of dry bulk density (ISO 11272:2017; EN ISO 11272:2017)

HZN/TO 217, Kozmetika

HRN EN ISO 29621:2017 en pr
Kozmetika – Mikrobiologija – Smjernice za procjenu rizika i identifikaciju proizvođača niskoga mikrobiološkog rizika (ISO 29621:2017; EN ISO 29621:2017)
Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products (ISO 29621:2017; EN ISO 29621:2017)

HZN/TO 228, Usluge u turizmu

HRN EN ISO 11121:2017 en pr
Usluge rekreativnog ronjenja – Zahtjevi za uvodne programe ronjenja sa samostalnom ronilačkom opremom (ISO 11121:2017; EN ISO 11121:2017)
Recreational diving services – Requirements for introductory programmes to scuba diving (ISO 11121:2017; EN ISO 11121:2017)

HRN EN ISO 24803:2017 en pr
Usluge rekreativnog ronjenja – Zahtjevi za pružatelje usluga rekreativnog ronjenja (ISO 24803:2017; EN ISO 24803:2017)
Recreational diving services – Requirements for recreational diving providers (ISO 24803:2017; EN ISO 24803:2017)

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN ISO 19496-1:2017 en pr
Staklasti i porculanski emajli – Nazivlje – 1. dio: Nazivi i definicije (ISO 19496-1:2017; EN ISO 19496-1:2017)
Vitreous and porcelain enamels – Terminology – Part 1: Terms and definitions (ISO 19496-1:2017; EN ISO 19496-1:2017)

HRN EN ISO 19496-2:2017 en pr
Staklasti i porculanski emajli – Nazivlje – 2. dio: Vizualni prikaz i opis (ISO 19496-2:2017; EN ISO 19496-2:2017)
Vitreous and porcelain enamels – Terminology – Part 2: Visual representations and descriptions (ISO 19496-2:2017; EN ISO 19496-2:2017)

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

HRN EN ISO 16530-1:2017 en pr
Industrija nafte i prirodnoga plina – Integritet kanala bušotine – 1. dio: Upravljanje životnim vijekom (ISO 16530-1:2017; EN ISO 16530-1:2017)
Petroleum and natural gas industries – Well integrity – Part 1: Life cycle governance (ISO 16530-1:2017; EN ISO 16530-1:2017)

HZN/TO 508, Ambalaža i pakiranje

HRN EN 15007:2017 en pr
Spremnici za aerosole – Pokositreni metalni spremnici – Dimenzije dvodijelnih i trodijelnih limenki (EN 15007:2017)
Aerosol containers – Tinplate containers – Dimensions of two and three-piece cans (EN 15007:2017)

HRN EN 15008:2017 en pr
Spremnici za aerosole – Aluminijski spremnici – Dimenzije jednodijelnih limenki s otvorom 25,4 mm (EN 15008:2017)
Aerosol containers – Aluminium containers – Dimensions of one-piece cans with 25,4 mm aperture (EN 15008:2017)

HZN/TO 509, Cestovna oprema

HRN EN 1793-1:2017 en pr
Barijere za zaštitu od buke s cesta – Metoda ispitivanja za određivanje akustičkih svojstava – 1. dio: Unutarnje značajke zvučne apsorpcije u uvjetima difuznog zvučnog polja (EN 1793-1:2017)
Road traffic noise reducing devices – Test method for determining the acoustic performance – Part 1: Intrinsic characteristics of sound absorption under diffuse sound field conditions (EN 1793-1:2017)

HZN/TO 513, Mjerne jedinice i mjerila

HRN ISO 22412:2017 en pr
Analiza veličine čestica – Dinamičko raspršenje svjetlosti (ISO 22412:2017)
Particle size analysis – Dynamic light scattering (DLS) (ISO 22412:2017)

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 13796-1:2017 en pr
Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila – 1. dio: Stezni uređaji, vozna kolica, kočnice u vozilu, kabine, sjedala, vagoni, vozila za održavanje, vučni uređaji (EN 13796-1:2017)
Safety requirements for cableway installations designed to carry persons – Carriers – Part 1: Grips, carrier trucks, on-board brakes, cabins, chairs, carriages, maintenance carriers, tow-hangers (EN 13796-1:2017)

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

HRN EN 12039:2016/Ispr.1:2017 en pr
Savijljive hidroizolacijske trake – Bitumenske hidroizolacijske trake za krovove – Određivanje prionljivosti posipa (EN 12039:2016/AC:2017)
Flexible sheets for waterproofing – Bitumen sheets for roof waterproofing – Determination of adhesion of granules (EN 12039:2016/AC:2017)

HRN EN 13653:2017 en pr
Savijljive hidroizolacijske trake – Savijljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje posmične čvrstoće (EN 13653:2017)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of shear strength (EN 13653:2017)

HRN EN 14223:2017 en pr
Savijljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje upijanja vode (EN 14223:2017)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of water absorption (EN 14223:2017)

HRN EN 14691:2017 en pr
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Kompatibilnost pri zagrijavanju (EN 14691:2017)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Compatibility by heat conditioning (EN 14691:2017)

HRN EN 14692:2017 en pr
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje otpornosti prema zbijanju asfaltnog sloja (EN 14692:2017)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of the resistance to compaction of an asphalt layer (EN 14692:2017)

HRN EN 14694:2017 en pr
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje otpornosti prema dinamičkom tlaku vode nakon prethodnog oštećivanja (EN 14694:2017)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of resistance to dynamic water pressure after damage by pre-treatment (EN 14694:2017)

HZN/TO 533, Kolničke konstrukcije

HRN EN 14187-2:2017 en pr
Hladne brtvene mase – Metode ispitivanja – 2. dio: Određivanje vremena sušenja (EN 14187-2:2017)
Cold applied joint sealants – Test methods – Part 2: Determination of tack free time (EN 14187-2:2017)

HRN EN 14187-3:2017 en pr
Hladne brtvene mase – Metode ispitivanja – 3. dio: Određivanje samoizravnavajućih svojstava (EN 14187-3:2017)
Cold applied joint sealants – Test methods – Part 3: Determination of self-levelling properties (EN 14187-3:2017)

HRN EN 14187-4:2017 en pr
Hladne brtvene mase – Metode ispitivanja – 4. dio: Određivanje promjene mase i volumena nakon uranjanja u ispitna goriva (EN 14187-4:2017)
Cold applied joint sealants – Test methods – Part 4: Determination of the change in mass and volume after immersion in test fuels and liquid chemicals (EN 14187-4:2017)

HRN EN 14187-6:2017 en pr
Hladne brtvene mase – Metode ispitivanja – 6. dio: Određivanje adhezijskih/koheznijskih svojstava nakon uranjanja u tekuće kemikalije (EN 14187-6:2017)
Cold applied joint sealants – Test method – Part 6: Determination of the adhesion/cohesion properties after immersion in test fuels and liquid chemicals (EN 14187-6:2017)

HRN EN 14187-8:2017 en pr
Hladne brtvene mase – Metode ispitivanja – 8. dio: Određivanje umjetnog starenja UV ozračivanjem (EN 14187-8:2017)
Cold applied joint sealants – Test methods – Part 8: Determination of the artificial weathering by UV-irradiation (EN 14187-8:2017)

HZN/TO 549, Svjetlo i rasvjeta

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

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11138-1:2017 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 1. dio: Opći zahtjevi (ISO 11138-1:2017; EN ISO 11138-1:2017)
Sterilization of health care products – Biological indicators – Part 1: General requirements (ISO 11138-1:2017; EN ISO 11138-1:2017)

HRN EN ISO 11138-2:2017 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 2. dio: Biološki indikatori u sterilizaciji etilen oksidom (ISO 11138-2:2017; EN ISO 11138-2:2017)
Sterilization of health care products – Biological indicators – Part 2: Biological indicators for ethylene oxide sterilization processes (ISO 11138-2:2017; EN ISO 11138-2:2017)

HRN EN ISO 11138-3:2017 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 3. dio: Biološki indikatori u sterilizaciji vodenom parom (ISO 11138-3:2017; EN ISO 11138-3:2017)
Sterilization of health care products – Biological indicators – Part 3: Biological indicators for moist heat sterilization processes (ISO 11138-3:2017; EN ISO 11138-3:2017)

HRN EN ISO 11138-4:2017 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 4. dio: Biološki indikatori za postupke suhe sterilizacije (ISO 11138-4:2017; EN ISO 11138-4:2017)
Sterilization of health care products – Biological indicators – Part 4: Biological indicators for dry heat sterilization processes (ISO 11138-4:2017; EN ISO 11138-4:2017)

HRN EN ISO 11138-5:2017 en pr
Sterilizacija medicinskih proizvoda – Biološki indikatori – 5. dio: Biološki indikatori za postupke sterilizacije niskotemperaturnom parom i formaldehidom (ISO 11138-5:2017; EN ISO 11138-5:2017)
Sterilization of health care products – Biological indicators – Part 5: Biological indicators for low-temperature steam and formaldehyde sterilization processes (ISO 11138-5:2017; EN ISO 11138-5:2017)

HZN/TO 559, Zaporni, regulacijski i sigurnosni uređaji

HRN EN ISO 15848-1:2015/A1:2017 en pr
Industrijski zaporni uređaji – Mjerenje, ispitivanje i kvalifikacijski postupci za propuštanje – 1. dio: Razredbeni sustav i kvalifikacijski postupci za ispitivanje tipa zapornih uređaja (ISO 15848-1:2015/Amd 1:2017; EN ISO 15848-1:2015/A1:2017)
Industrial valves – Measurement, test and qualification procedures for fugitive emissions – Part 1: Classification system and qualification procedures for type testing of valves (ISO 15848-1:2015/Amd 1:2017; EN ISO 15848-1:2015/A1:2017)

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

HRN EN ISO 6887-1:2017 en pr
Mikrobiologija u lancu hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološko ispitivanje – 1. dio: Opća pravila za pripremu osnovnog i ostalih decimalnih razrjeđenja (ISO 6887-1:2017; EN ISO 6887-1:2017)
Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 1: General rules for the preparation of the initial suspension and decimal dilutions (ISO 6887-1:2017; EN ISO 6887-1:2017)

HRN EN ISO 6887-2:2017 en pr
Mikrobiologija u lancu hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološko ispitivanje – 2. dio: Posebna pravila za pripremu mesa i proizvoda od mesa (ISO 6887-2:2017; EN ISO 6887-2:2017)
Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 2: Specific rules for the preparation of meat and meat products (ISO 6887-2:2017; EN ISO 6887-2:2017)

HRN EN ISO 6887-3:2017 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 (ISO 6887-3:2017; EN ISO 6887-3:2017)
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 (ISO 6887-3:2017; EN ISO 6887-3:2017)

HRN EN ISO 6887-4:2017 en pr
Mikrobiologija u lancu hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološko ispitivanje – 4. dio: Posebna pravila za pripremu raznih proizvoda (ISO 6887-4:2017; EN ISO 6887-4:2017)
Microbiology of the food chain – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of miscellaneous products (ISO 6887-4:2017; EN ISO 6887-4:2017)

HRN EN ISO 15216-1:2017 en pr
Mikrobiologija u lancu hrane – Horizontalna metoda za određivanje virusa hepatitisa A i norovirusa upotrebom RT-PCR u stvarnom vremenu – 1. dio: Metoda za kvantitativno određivanje (ISO 15216-1:2017; EN ISO 15216-1:2017)
Microbiology of the food chain – Horizontal method for determination of hepatitis A virus and norovirus using real-time RT-PCR – Part 1: Method for quantification (ISO 15216-1:2017; EN ISO 15216-1:2017)

HZN/TO E9, Električna oprema za željeznicu

HRN EN 61375-2-3:2015/A11:2017 en pr
Elektronička oprema za željeznice – Komunikacijska mreža vlaka (TCN) – Dio 2-3: Komunikacijski profil TCN-a (EN 61375-2-3:2015/A11:2017)
Electronic railway equipment – Train communication network (TCN) – Part 2-3: TCN communication profile (EN 61375-2-3:2015/A11:2017)

HRN EN 61375-3-4:2014/A11:2017 en pr
Elektronička oprema za željeznice – Komunikacijska mreža vlaka (TCN) – Dio 3-4: Mreža zasnovana na Ethernetu (EN 61375-3-4:2014/A11:2017)
Electronic railway equipment – Train communication network (TCN) – Part 3-4: Ethernet Consist Network (ECN) (EN 61375-3-4:2014/A11:2017)

HRN EN 62625-1:2014/A11:2017 en pr
Elektronička oprema za željeznice – Sustav snimanja podataka o vožnji na vozilu – 1. dio: Specifikacija sustava (EN 62625-1:2013/A11:2017)
Electronic railway equipment – On board driving data recording system – Part 1: System specification (EN 62625-1:2013/A11:2017)

HZN/TO E11, Nadzemni vodovi

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

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

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

HRN EN 62052-11:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Opći zahtjevi, ispitivanja i ispitni uvjeti – 11. dio: Mjerna oprema (IEC 62052-11:2003/am1:2016; EN 62052-11:2003/A1:2017)
Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment (IEC 62052-11:2003/am1:2016; EN 62052-11:2003/A1:2017)

HRN EN 62053-23:2008/A1:2017 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 23. dio: Statička brojila jalove energije (razreda 2 i 3) (IEC 62053-23:2003/am1:2016; EN 62053-23:2003/A1:2017)
Electricity metering equipment (a.c.) – Particular requirements – Part 23: Static meters for reactive energy (classes 2 and 3) (IEC 62053-23:2003/am1:2016; EN 62053-23:2003/A1:2017)

HRN EN 62053-24:2015/A1:2017 en pr
Električna brojila za izmjeničnu struju – Posebni zahtjevi – 24. dio: Statička brojila jalove energije osnovne frekvencije (razreda 0,5 S, 1S i 1) (IEC 62053-24:2014/am1:2016; EN 62053-24:2015/A1:2017)
Electricity metering equipment (a.c.) – Particular requirements – Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S; 1 S and 1) (IEC 62053-24:2014/am1:2016; EN 62053-24:2015/A1:2017)

HZN/TO E15, Čvrsti elektrotehnički izolacijski materijali

HRN EN 60674-3-8:2014/A1:2017 en pr
Plastične folije za elektrotehničke svrhe – 3. dio: Specifikacije za pojedinačne materijale – 8. list: Folije od uravnoteženog dvoosno orijentiranog polietilen naftalata (PEN) za električnu izolaciju (IEC 60674-3-8:2011/am1:2016; EN 60674-3-8:2011/A1:2017)
Plastic films for electrical purposes – Part 3: Specifications for individual materials – Sheet 8: Balanced biaxially oriented polyethylene naphthalate (PEN) films used for electrical insulation (IEC 60674-3-8:2011/am1:2016; EN 60674-3-8:2011/A1:2017)

HZN/TO E23, Električni instalacijski pribor

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

HZN/TO E34, Žarulje, svjetiljke i pripadna oprema

HRN EN 60061-1:2008/A55:2017 en pr
Podnošci i grla za žarulje, granična mjerila za kontrolu zamjenjivosti i sigurnosti – 1. dio: Podnošci za žarulje (IEC 60061-1:1969/am55:2016; EN 60061-1:1993/A55:2017)
Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/am55:2016; EN 60061-1:1993/A55:2017)

HZN/TO E56, Pouzdanost

HRN EN 62550:2017 en pr
Opremanje rezervnim dijelovima (IEC 62550:2017; EN 62550:2017)
Spare parts provisioning (IEC 62550:2017; EN 62550:2017)

HZN/TO E57, Upravljanje energetskim sustavom i pridružene komunikacije

HRN EN 61970-301:2017 en pr
Sučelje za aplikacije vođenja elektroenergetskog sustava (EMS-API) – 301. dio: Osnove zajedničkog modela podataka (CIM) (IEC 61970-301:2016; EN 61970-301:2017)
Energy management system application program interface (EMS-API) – Part 301: Common information model (CIM) base (IEC 61970-301:2016; EN 61970-301:2017)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN 60601-1-8:2009/A11:2017 en pr
Medicinski električni uređaji – Dio 1-8: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Opći zahtjevi, ispitivanja i smjernice za alarmne sustave u medicinskim električnim uređajima i opremi (EN 60601-1-8:2007/A11:2017)
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 (EN 60601-1-8:2007/A11:2017)

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

HRN EN 62264-3:2017 en pr
Integracija sustava za vođenje poduzeća – 3. dio: Modeli aktivnosti za upravljanje proizvodnim postupcima (IEC 62264-3:2016; EN 62264-3:2017)
Enterprise-control system integration – Part 3: Activity models of manufacturing operations management (IEC 62264-3:2016; EN 62264-3:2017)

HRN EN 62453-1:2017 en pr
Specifikacija sučelja alata za uređaje u postrojenju (FDT)
– 1. dio: Pregled i upute (IEC 62453-1:2016; EN 62453-1:2017)
Field Device Tool (FDT) interface specification – Part 1:
Overview and guidance (IEC 62453-1:2016; EN 62453-1:2017)

HRN EN 62453-2:2017 en pr
Specifikacija sučelja alata za uređaje u postrojenju (FDT)
– 2. dio: Pojmovi i detaljan opis (IEC 62453-2:2016;
EN 62453-2:2017)
Field Device Tool (FDT) Interface Specification – Part 2:
Concepts and detailed Description (IEC 62453-2:2016;
EN 62453-2:2017)

HZN/TO E79, Alarmni sustavi

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

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

HRN EN 62827-3:2017 en pr
Wireless power transfer – Management – Part 3:
Multiple source control management (IEC 62827-3:2016;
EN 62827-3:2017)

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

HRN EN 62368-1:2014/Ispr.3:2017 en pr
Oprema audio/video, informacijske i komunikacijske
tehnologije – Zahtjevi sigurnosti (EN 62368-1:2014/AC:2017)
Audio/video, information and communication technology
equipment – Part 1: Safety requirements (EN 62368-1:2014/AC:2017)

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

HRN EN 60505:2013/Ispr.1:2017 en pr
Procjena i ocjenjivanje električnih izolacijskih sustava
(IEC 60505:2011/Corr.1:2017; EN 60505:2011/AC:2017)
Evaluation and qualification of electrical insulation systems
(IEC 60505:2011/Corr.1:2017; EN 60505:2011/AC:2017)

HZN/TO T4, Normizacija u telekomunikacijama

HRN EN 300 422-2 V2.1.1:2017 en pr
Bežični mikrofoni – Audio PMSE do 3 GHz – 2. dio:
Prijamnici klase B – Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU
(EN 300 422-2 V2.1.1:2017)
Wireless Microphones – Audio PMSE up to 3 GHz – Part 2:
Class B Receivers – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
(EN 300 422-2 V2.1.1:2017)

HRN EN 300 720 V2.1.1:2017 en pr
Ultra visoko frekvencijski (UHF) brodski komunikacijski
sustavi i oprema; Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU
(EN 300 720 V2.1.1:2017)
Ultra-High Frequency (UHF) on-board vessels communications
systems and equipment – Harmonised Standard
covering the essential requirements of article 3.2 of the
Directive 2014/53/EU (EN 300 720 V2.1.1:2017)

HRN EN 301 502 V12.5.2:2017 en pr
Globalni sustav pokretnih komunikacija (GSM) – Oprema
baznih postaja (BS) – Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU
(EN 301 502 V12.5.2:2017)
Global System for Mobile communications (GSM) – Base
Station (BS) equipment – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
(EN 301 502 V12.5.2:2017)

HRN EN 301 908-3 V11.1.3:2017 en pr
Celularne mreže IMT – Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 direktive 2014/53/EU – 3. dio:
Bazne postaje (BS) sa CDMA s izravnim raspršenjem spektra
(UTRA FDD) (EN 301 908-3 V11.1.3:2017)
IMT cellular networks – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
– Part 3: CDMA Direct Spread (UTRA FDD) Base Stations
(BS) (EN 301 908-3 V11.1.3:2017)

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

HRN EN 301 908-14 V11.1.2:2017 en pr
IMT celularne mreže – Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 14. dio:
Bazne postaje (BS) za razvijeni univerzalni terestrijalni radijski
pristup (E-UTRA) (EN 301 908-14 V11.1.2:2017)
IMT cellular networks – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
– Part 14: Evolved Universal Terrestrial Radio Access
(E-UTRA) Base Stations (BS) (EN 301 908-14 V11.1.2:2017)

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

HRN EN 301 908-18 V11.1.2:2017 en pr
IMT celularne mreže – Harmonizirana norma koja obuhvaća
bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU
– 18. dio: E-UTRA, UTRA i GSM/EDGE bazna postaja (BS)
multistandardnog radija (MSR) (EN 301 908-18 V11.1.2:2017)
IMT cellular networks – Harmonised Standard
covering the essential requirements of article 3.2 of
Directive 2014/53/EU – Part 18: E-UTRA, UTRA and
GSM/EDGE Multi-Standard Radio (MSR) Base Station (BS)
(EN 301 908-18 V11.1.2:2017)

HRN EN 302 064 V2.1.1:2017 en pr
Bežični video linkovi koje rade u frekvencijskom pojasu
od 1,3 GHz do 50 GHz – Harmonizirana norma koja
obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU
(EN 302 064 V2.1.1:2016)
Wireless Video Links operating in the 1,3 GHz to 50 GHz
frequency band – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
(EN 302 064 V2.1.1:2016)

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

HRN EN 2311:2017 en pr
Zrakoplovstvo – Čahure sa samopodmazujućom površinom
– Tehničke specifikacije (EN 2311:2017)
Aerospace series – Bushes with self-lubricating liner
– Technical specification (EN 2311:2017)

HRN EN 2713-012:2017 en pr
Zrakoplovstvo – Kabeli, električni, jednožilni i višezilni za
opću upotrebu – Radna temperatura između – 55 °C i
200 °C – Dio 012: MNA (jednožilni), MNB (par), MNC (trožilni),
MND (četverožilni), porodica kablova – Obloženi posrebnim
bakrenim žicama (spiralno), za ispis UV laserskim pisačem
– Norma za proizvod (EN 2713-012:2017)
Aerospace series – Cables, electrical, single and multicore
for general purpose – Operating temperatures between
-55 °C and 200 °C – Part 012: MNA (1 core), MNB (pair), MNC
(3 cores), MND (4 cores), cables family – Silver plated copper
screened (spiral) and jacketed, UV laser printable – Product
standard (EN 2713-012:2017)

HRN EN 3375-011:2017 en pr
Zrakoplovstvo – Električni kabeli za prijenos digitalnih podataka
– Dio 011: Jednostruko pleteni – Četverožilni 100 oma – Male
težine – Tip KL – Norma za proizvod (EN 3375-011:2017)
Aerospace series – Cable, electrical for digital data transmission
– Part 011: Single braid – Star Quad 100 ohms – Light weight
– Type KL – Product standard (EN 3375-011:2017)

HRN EN 3745-516:2017 en pr
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove
– Metode ispitivanja – 516. dio: Ispitivanje kabela velikim savijanjem (EN 3745-516:2017)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 516: Severe cable bend test (EN 3745-516:2017)

HRN EN 3745-517:2017 en pr
Zrakoplovstvo – Vlakna i kabeli, optički, za zrakoplove
– Metode ispitivanja – 517. dio: Ispitivanje stezanja pričvršćivača kabela (EN 3745-517:2017)
Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 517: Cable tie clamping test (EN 3745-517:2017)

HRN EN 4674-001:2017 en pr
Zrakoplovstvo – Električni kabeli, ugradnja – Samoosmatujuća, oklopljena (EMI) zaštitna navlaka – Dio 001: Tehnička specifikacija (EN 4674-001:2017)
Aerospace series – Electrical cables, installation – Self-wrapping shielding (EMI) protective sleeve – Part 001: Technical specification (EN 4674-001:2017)

HRN EN 6059-301:2017 en pr
Zrakoplovstvo – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 301. dio: Izlaganje sunčevoj svjetlosti (EN 6059-301:2017)
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 301: Sun light exposure (EN 6059-301:2017)

HRN EN 6059-302:2017 en pr
Zrakoplovstvo – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 302. dio: Izlaganje visokoj temperaturi (EN 6059-302:2017)
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 302: High temperature exposure (EN 6059-302:2017)

HRN EN 6059-304:2017 en pr
Zrakoplovstvo – Električni kabeli, ugradnja – Zaštitne navlake – Metode ispitivanja – 304. dio: Zapaljivost (EN 6059-304:2017)
Aerospace series – Electrical cables, installation – Protection sleeves – Test methods – Part 304: Flammability (EN 6059-304:2017)

HRN EN 6138:2017 en pr
Zrakoplovstvo – Nemetalni zaštitni poklopci za spojnice za hidrauličke sustave ≤ 3 000 PSI (EN 6138:2017)
Aerospace series – Cap, protective, non-metallic for fitting ends ≤ 3 000 PSI hydraulic systems (EN 6138:2017)

HRN EN 12312-6:2017 en pr
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 6. dio: Vozila i oprema za odleđivanje i zaštitu od zaledivanja (EN 12312-6:2017)
Aircraft ground support equipment – Specific requirements – Part 6: Deicers and de-icing/anti-icing equipment (EN 12312-6:2017)

HZN/TU V1, Elektronika 1

HRN EN 60794-1-2:2017 en pr
Optical fibre cables – Part 1-2: Basic optical cable test procedures – General and definitions (IEC 60794-1-2:2017; EN 60794-1-2:2017)

HRN EN 61202-1:2017 en pr
Fibre optic interconnecting devices and passive components – Fibre optic isolators – Part 1: Generic specification (IEC 61202-1:2016; EN 61202-1:2017)

HRN EN 61300-2-9:2017 en pr
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 2-9: Tests – Shock (IEC 61300-2-9:2017; EN 61300-2-9:2017)

HRN EN 61755-3-10:2017 en pr
Fibre optic interconnecting devices and passive components – Connector optical interfaces – Part 3-10: Connector parameters of non-dispersion shifted single mode physically contacting fibres – Non-angled, ferrule-less, bore alignment connectors (IEC 61755-3-10:2016; EN 61755-3-10:2017)

HRN EN 62435-5:2017 en pr
Electronic components – Long-term storage of electronic semiconductor devices – Part 5: Die and wafer devices (IEC 62435-5:2017; EN 62435-5:2017)

HRN EN 62739-3:2017 en pr
Test method for erosion of wave soldering equipment using molten lead-free solder alloy – Part 3: Selection guidance of erosion test method (IEC 62739-3:2017; EN 62739-3:2017)

1.3 Prijedlozi za prihvaćanje stranih norma u izvorniku

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

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

HZN/TO 8, Brodogradnja

FprEN ISO 8846 en
Small craft – Electrical devices – Protection against ignition of surrounding flammable gases (ISO 8846:1990)
Mala plovila – Električni uređaji – Zaštita od zapaljenja okolnih zapaljivih plinova (ISO 8846:1990)

FprEN ISO 8848 en
Small craft – Remote steering systems (ISO 8848:1990)
Mala plovila – Sustav daljinskoga kormilarjenja (ISO 8848:1990)

FprEN ISO 9094 en
Small craft – Fire protection (ISO 9094:2015)
Mala plovila – Protupožarna zaštita (ISO 9094:2015)

FprEN ISO 9775 en
Small craft – Remote steering systems for single outboard motors of 15 kW to 40 kW power (ISO 9775:1990)
Mala plovila – Daljinsko kormilarjenje za izvanbrodske motore snage od 15 kW do 40 Kw (ISO 9775:1990)

FprEN ISO 10239 en
Small craft – Liquefied petroleum gas (LPG) systems (ISO 10239:2014)
Mala plovila – Sustavi ukapljenih naftnih plinova (LPG) (ISO 10239:2014)

FprEN ISO 10592 en
Small craft – Hydraulic steering systems (ISO 10592:1994)
Mala plovila – Hidraulički kormilarski sustav (ISO 10592:1994)

FprEN ISO 11105 en
Small craft – Ventilation of petrol engine and/or tank compartments (ISO 11105:1997)
Mala plovila – Ventilacija prostora za smještaj benzinskih motora i/ili benzinskih spremnika (ISO 11105:1997)

FprEN ISO 12217-1 en
Small craft – Stability and buoyancy assessment and categorization – Part 1: Non-sailing boats of hull length greater than or equal to 6 m (ISO 12217-1:2015)
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 1. dio: Plovila bez jedara duljine trupa 6 m ili više (ISO 12217-1:2015)

FprEN ISO 12217-2 en
Small craft – Stability and buoyancy assessment and categorization – Part 2: Sailing boats of hull length greater than or equal to 6 m (ISO 12217-2:2015)
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 2. dio: Plovila s jedrima duljine trupa 6 m ili više (ISO 12217-2:2015)

FprEN ISO 12217-3 en
Small craft – Stability and buoyancy assessment and categorization – Part 3: Boats of hull length less than 6 m (ISO 12217-3:2015)
Mala plovila – Ocjenjivanje i razredba stabiliteta i plovnosti – 3. dio: Plovila duljine trupa manje od 6 m (ISO 12217-3:2015)

FprEN ISO 13929 en
Small craft – Steering gear – Geared link systems (ISO 13929:2001)
Mala plovila – Kormilarski uređaj – Sustavi sa zupčano-polužnim prijenosom (ISO 13929:2001)

FprEN ISO 15584 en
Small craft – Inboard petrol engines – Engine-mounted fuel and electrical components (ISO 15584:2001)
Mala plovila – Ugrađeni benzinski motori – Komponente sustava goriva i elektruoređaja (ISO 15584:2001)

FprEN ISO 15652
Small craft – Remote steering systems for inboard mini jet boats (ISO 15652:2003)
Mala plovila – Sustav daljinskog kormilarenja za brodice s ugrađenim motorom koji pogoni mali vodomlazni propulzor (ISO 15652:2003)

FprEN ISO 16147 en
Small craft – Inboard diesel engines – Engine-mounted fuel and electrical components (ISO 16147:2002)
Mala plovila – Ugrađeni dizelski motori – Komponente sustava goriva i elektruoređaja ovješene na motor (ISO 16147:2002)

HZN/TO 22, Cestovna vozila

prEN 1645-1 en
Leisure accommodation vehicles – Caravans – Part 1: Habitation requirements relating to health and safety
Vozila za odmor – Prikolice za stanovanje (kamp-prikolice) – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost

prEN 1646-1 en
Leisure accommodation vehicles – Motor caravans – Part 1: Habitation requirements relating to health and safety
Vozila za odmor – Motorna vozila za stanovanje – 1. dio: Smještajni zahtjevi koji se odnose na zdravlje i sigurnost

prEN 1647 en
Leisure accommodation vehicles – Caravan holiday homes – Habitation requirements relating to health and safety
Vozila za odmor – Pokretni domovi za stanovanje – Smještajni zahtjevi koji se odnose na zdravlje i sigurnost

prEN 1648-1 en
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 1: Caravans
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 1. dio: Prikolice za stanovanje (kamp-prikolice)

prEN 1648-2 en
Leisure accommodation vehicles – 12 V direct current extra low voltage electrical installations – Part 2: Motor caravans
Vozila za odmor – Električne instalacije za istosmjernu struju vrlo niskoga napona od 12 V – 2. dio: Motorna vozila za stanovanje

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

prEN ISO 19932-1 en
Equipment for crop protection – Knapsack sprayers – Part 1: Safety and environmental requirements (ISO/DIS 19932-1:2017)
Oprema za zaštitu bilja – Leđno nosive prskalice – 1. dio: Zahtjevi za sigurnost i s obzirom na zaštitu okoliša (ISO/DIS 19932-1:2017)

prEN ISO 19932-2 en
Equipment for crop protection – Knapsack sprayers – Part 2: Test methods (ISO/DIS 19932-2:2017)
Oprema za zaštitu bilja – Leđno nosive prskalice – 2. dio: Metode ispitivanja (ISO/DIS 19932-2:2017)

prEN ISO 19932-3 en
Equipment for crop protection – Knapsack sprayers – Part 3: Inspection of knapsack sprayers in use (ISO/DIS 19932-3:2017)

HZN/TO 44, Zavarivanje i srodni postupci

prEN ISO 18592 en
Resistance welding – Destructive testing of welds – Method for the fatigue testing of multi-spot-welded specimens (ISO/DIS 18592:2017)
Elektrotoporno zavarivanje – Razorno ispitivanje zavara – Metoda ispitivanja dinamičke čvrstoće zavarenih uzoraka s više točkastih zavara (ISO/DIS 18592:2017)

HZN/TO 46, Bibliotekarstvo, dokumentacija i informacije

ISO 12029:2010 en
Document management – Machine-readable paper forms – Optimal design for user friendliness and electronic document management systems (EDMS)
Upravljanje dokumentima – Strojno-čitljivi papirnati medij – Optimalan dizajn za jednostavnu uporabu i elektroničke sustave upravljanja dokumentima (EDMS)

ISO/TR 13028:2010 en
Information and documentation – Implementation guidelines for digitization of records
Informacije i dokumentacija – Smjernice za provedbu digitalizacije zapisa

ISO 16175-1:2010 en
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 1: Overview and statement of principles
Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 1. dio: Pregled i načela

ISO 16175-2:2011 en
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 2: Guidelines and functional requirements for digital records management systems
Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 2. dio: Smjernice i funkcionalni zahtjevi za sustave upravljanja digitalnim dokumentima

ISO 16175-3:2010 en
Information and documentation – Principles and functional requirements for records in electronic office environments – Part 3: Guidelines and functional requirements for records in business systems
Informacije i dokumentacija – Načela i funkcionalni zahtjevi za zapise u elektroničkom uredskom okruženju – 3. dio: Smjernice i funkcionalni zahtjevi za zapise u poslovnim sustavima

ISO 25577:2013 en
Information and documentation – MarcXchange
Informacije i dokumentacija – MarcXchange

ISO 26324:2012 en
Information and documentation – Digital object identifier system
Informacije i dokumentacija – Sustav digitalnog identifikatora objekta

ISO 27729:2012/Cor 1:2013 en
Information and documentation – International standard name identifier (ISNI)
Informacije i dokumentacija – Međunarodni standardni identifikator imena (ISNI)

ISO 27729:2012 en
Information and documentation – International standard name identifier (ISNI)
Informacije i dokumentacija – Međunarodni standardni identifikator imena (ISNI)

ISO 27730:2012 en
Information and documentation – International standard collection identifier (ISCI)
Informacije i dokumentacija – Međunarodni standardni identifikator zbirke (ISCI)

ISO/PRF 28500 en
Information and documentation – WARC file format
Informacije i dokumentacija – WARC format datoteke

ISO 28560-1:2014 en
Information and documentation – RFID in libraries – Part 1: Data elements and general guidelines for implementation
Informacije i dokumentacija – RFID u knjižnicama – 1. dio: Elementi podataka i opće smjernice za provedbu

ISO 28560-2:2014 en
Information and documentation – RFID in libraries – Part 2: Encoding of RFID data elements based on rules from ISO/IEC 15962
Informacije i dokumentacija – RFID u knjižnicama – 2. dio: Kodiranje RFID elemenata podataka na temelju pravila iz ISO/IEC 15962

ISO 28560-3:2014 en
Information and documentation – RFID in libraries – Part 3:
Fixed length encoding
Informacije i dokumentacija – RFID u knjižnicama – 3. dio:
Kodiranje fiksne dužine

ISO 30300:2011 en
Information and documentation – Management systems for
records – Fundamentals and vocabulary
Informacije i dokumentacija – Sustavi upravljanja zapisima
– Osnove i terminološki rječnik

ISO 30301:2011 en
Information and documentation – Management systems for
records – Requirements
Informacije i dokumentacija – Sustavi upravljanja zapisima
– Zahtjevi

HZN/TO 54, Eterična ulja

ISO 4720:2009 en
Essential oils – Nomenclature
Eterična ulja – Nomenklatura

HZN/TO 71, Beton

prEN 12390-10 en
Testing hardened concrete – Part 10: Determination of the
carbonation resistance of concrete at atmospheric levels of
carbon dioxide
Ispitivanje očvrslunoga betona – 10. dio: Određivanje
otpornosti betona na karbonizaciju pri atmosferskim razinama
ugljičnog dioksida

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

prEN 16855-2 en
Walk-in cold rooms – Definition, thermal insulation performance
and test methods – Part 2: Customized cold rooms
Rashladne komore (walk-in) – Definicije, radne značajke
toplinske izolacije i metode ispitivanja – 2. dio: Rashladne
komore (walk-in) po narudžbi

HZN/TO 92, Zaštita od požara

prEN 1366-13 en
Fire resistance tests for service installations – Part 13:
Chimneys
Ispitivanja otpornosti na požar servisnih instalacija – 13. dio:
Dimnjaci

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

prEN ISO 2507-1 en
Thermoplastics pipes and fittings – Vicat softening temperature
– Part 1: General test method (ISO 2507-1:1995)

prEN ISO 2507-2 en
Thermoplastics pipes and fittings – Vicat softening temperature
– Part 2: Test conditions for unplasticized poly(vinyl chloride)
(PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes
and fittings and for high impact resistance poly(vinyl chloride)
(PVC-HI) pipes (ISO 2507-2:1995)

prEN ISO 2507-3 en
Thermoplastics pipes and fittings – Vicat softening temperature
– Part 3: Test conditions for acrylonitrile/butadiene/styrene
(ABS) and acrylonitrile/styrene/acrylic ester (ASA) pipes and
fittings (ISO 2507-3:1995)

prEN ISO 3127 en
Thermoplastics pipes – Determination of resistance to external
blows – Round-the-clock method (ISO 3127:1994)

prEN ISO 9852 en
Unplasticized poly(vinyl chloride) (PVC-U) pipes
– Dichloromethane resistance at specified temperature
(DCMT) – Test method (ISO 9852:2007)

prEN ISO 11173 en
Thermoplastics pipes – Determination of resistance to external
blows – Staircase method (ISO 11173:1994)

prEN ISO 11296-4 en
Plastics piping systems for renovation of underground non-
pressure drainage and sewerage networks – Part 4: Lining
with cured-in-place pipes (ISO/DIS 11296-4:2017)
Plastični cijevni sustavi za obnavljanje podzemnih netlačnih
mreža za odvodnju i kanalizaciju – 4. dio: Oblaganje
nanošenjem strukturiranih duromernih slojeva na terenu
(ISO/DIS 11296-4:2017)

prEN ISO 11297-4 en
Plastics piping systems for renovation of underground
drainage and sewerage networks under pressure – Part 4:
Lining with cured-in-place pipes (ISO/DIS 11297-4:2017)

prEN ISO 13254 en
Thermoplastics piping systems for non-pressure applications
– Test method for watertightness (ISO 13254:2010)

prEN ISO 13257 en
Thermoplastics piping systems for non-pressure applications
– Test method for resistance to elevated temperature cycling
(ISO 13257:2010)

prEN ISO 13259 en
Thermoplastics piping systems for underground non-pressure
applications – Test method for leaktightness of elastomeric
sealing ring type joints (ISO 13259:2010)

prEN ISO 13262 en
Thermoplastics piping systems for non-pressure underground
drainage and sewerage – Thermoplastics spirally-formed
structured-wall pipes – Determination of the tensile strength
of a seam (ISO 13262:2010)

prEN ISO 13263 en
Thermoplastics piping systems for non-pressure underground
drainage and sewerage – Thermoplastics fittings – Test
method for impact strength (ISO 13263:2010)

prEN ISO 13264 en
Thermoplastics piping systems for non-pressure underground
drainage and sewerage – Thermoplastics fittings – Test
method for mechanical strength or flexibility of fabricated
fittings (ISO 13264:2010)

HZN/TO 159, Ergonomija

prEN ISO 9241-306 en
Ergonomics of human-system interaction – Part 306:
Field assessment methods for electronic visual displays
(ISO/DIS 9241-306:2017)
Ergonomija interakcije čovjek-sustav – 306. dio: Metode
procjene zaslona na licu mjesta (ISO/DIS 9241-306:2017)

HZN/TO 172, Optika i optički instrumenti

prEN ISO 11990 en
Lasers and laser-related equipment – Determination of
laser resistance of tracheal tube shaft and tracheal cuffs
(ISO/DIS 11990:2017)

HZN/TO 181, Sigurnost igraćaka i proizvodi za djecu

EN 16232:2013/prA1 en
Child use and care articles – Infant swings
Proizvodi za dojenčad i malu djecu – Njihaljke za dojenčad

HZN/TO 182, Geotehničke konstrukcije

prEN 12716 en
Execution of special geotechnical work – Jet grouting
Izvedba posebnih geotehničkih radova – Mlazno injektiranje

HZN/TO 211, Geoinformacije/Geomatika

EN ISO 19115-1:2014/prA1 en
Geographic information – Metadata – Part 1: Fundamentals
(ISO 19115-1:2014/DAmD 1:2017)
Geoinformacije – Metapodaci – 1. dio: Osnove
(ISO 19115-1:2014/DAmD 1:2017)

EN ISO 19157:2013/prA1 en
Geographic information – Data quality – Amendment 1: Describing
data quality using coverages (ISO 19157:2013/DAmD 1:2017)

HZN/TO 228, Usluge u turizmu

- ISO 11107:2009 en
Recreational diving services – Requirements for training programmes on enriched air nitrox (EAN) diving
Usluge rekreativnog ronjenja – Zahtjevi za programe obuke ronjenja sa nitroxom
- ISO 13289:2011 en
Recreational diving services – Requirements for the conduct of snorkelling excursions
Usluge rekreativnog ronjenja – Zahtjevi za vođenje izleta ronjenja na dah
- ISO/TS 13811:2015 en
Tourism and related services – Guidelines on developing environmental specifications for accommodation establishments
Turističke i srodne usluge – Smjernice za razvoj specifikacija za smještajne kapacitete s obzirom na okoliš
- ISO 13970:2011 en
Recreational diving services – Requirements for the training of recreational snorkelling guides
Usluge rekreativnog ronjenja – Zahtjevi za obuku voditelja rekreativnog ronjenja na dah
- ISO 17679:2016 en
Tourism and related services – Wellness spa – Service requirements
Turističke i srodne usluge – Wellnes spa – Zahtjevi za usluge

HZN/TO 503, Metalni materijali

- prEN ISO 9443 en
Surface quality classes for hot-rolled bars and wire rod (ISO/DIS 9443:2017)

HZN/TO 504, Korozija i zaštita metala i legura

- prEN 13144 en
Metallic and other inorganic coatings – Method for quantitative measurement of adhesion by tensile test
Metalne i ostale anorganske prevlake – Metoda kvantitativnog mjerenja prijanjanja vlačnim ispitivanjem

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

- prEN ISO 15138 en
Petroleum and natural gas industries – Offshore production installations – Heating, ventilation and air-conditioning (ISO/DIS 15138:2017)
Industrija nafte i prirodnog plina – Odobalna proizvodna postrojenja – Grijanje, ventilacija i klimatizacija (ISO/DIS 15138:2017)

- prEN ISO 24817 en
Petroleum, petrochemical and natural gas industries – Composite repairs for pipework – Qualification and design, installation, testing and inspection (ISO/FDIS 24817:2017)
Industrija nafte, petrokemije i prirodnoga plina – Popravci cijevovoda kompozitnim materijalima – Ocjena i proračun, izvedba, ispitivanje i inspekcija (ISO/FDIS 24817:2017)

HZN/TO 524, Inteligentni transportni sustavi

- prEN ISO 18750 en
Intelligent transport systems – Cooperative ITS – Local dynamic maps (ISO/DIS 18750:2017)

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

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

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

- ISO 4302:2016 en
Cranes – Wind load assessment
Granici – Opterećenje vjetrom

- ISO 4306-3:2016 en
Cranes – Vocabulary – Part 3: Tower cranes
Granici – Rječnik – 3 dio: Toranjski granici

HZN/TO 531, Plastika i guma

- prEN ISO 2555 en
Plastics – Resins in the liquid state or as emulsions or dispersions – Determination of apparent viscosity using a single cylinder type rotational viscometer method (ISO/DIS 2555:2017)

- prEN ISO 11357-3 en
Plastics – Differential scanning calorimetry (DSC) – Part 3: Determination of temperature and enthalpy of melting and crystallization (ISO/DIS 11357-3:2017)
Plastika – Diferencijalna pretražna kalorimetrija – 3. dio: Određivanje tališta, kristališta i topline taljenja i kristalizacije (ISO/DIS 11357-3:2017)

- prEN ISO 11357-6 en
Plastics – Differential scanning calorimetry (DSC) – Part 6: Determination of oxidation induction time (isothermal OIT) and oxidation induction temperature (dynamic OIT) (ISO/DIS 11357-6:2017)
Plastika – Diferencijalna pretražna kalorimetrija – 6. dio: Određivanje indukcijskoga vremena oksidacije (izotermna OIT) i indukcijske temperature oksidacije (dinamička OIT) (ISO/DIS 11357-6:2017)

HZN/TO 532, Dimnjaci

- prEN 1443 en
Chimneys – General requirements
Dimnjaci – Opći zahtjevi

HZN/TO 534, Spremnici za teret

- prEN 13317 en
Tanks for transport of dangerous goods – Service equipment for tanks – Manhole cover assembly
Spremnici za prijevoz opasnih tvari – Pomoćna oprema za spremnike – Sklop poklopca ulaznog otvora

- prEN 14596 en
Tanks for transport of dangerous goods – Service equipment for tanks – Emergency pressure relief valve
Spremnici za prijevoz opasnih tvari – Pomoćna oprema spremnika – Sigurnosni tlačni ventil

- prEN 17110 en
Tanks for transport of dangerous goods – Service equipment for tanks – Vapour manifold vent valve

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

- prEN ISO 25178-600 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 600: Metrological characteristics for areal-topography measuring methods (ISO/DIS 25178-600:2017)

- prEN ISO 25178-607 en
Geometrical product specifications (GPS) – Surface texture: Areal – Part 607: Nominal characteristics of non-contact (confocal microscopy) instruments (ISO/DIS 25178-607:2017)

HZN/TO 539, Kemijski dezinficijensi i antiseptici

- prEN 17111 en
Chemical disinfectants and antiseptics – Quantitative carrier test for the evaluation of virucidal activity for instruments used in the medical area – Test method and requirements (phase 2, step 2)
Kemijski dezinficijensi i antiseptici – Kvantitativni test na nosaču za procjenu virucidne djelotvornosti za instrumente koji se upotrebljavaju u medicini – Metode ispitivanja i zahtjevi (faza 2/korak 2)

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

- CEN/TR 12831-2:2017 en
Energy performance of buildings – Method for calculation of the design heat load – Part 2: Explanation and justification of EN 12831-1, Module M3-3
Energijaska svojstva zgrada – Metoda proračuna projektnog toplinskog opterećenja – 2. dio: Objašnjenje i obrazloženje norme EN 12831-1, Modul M3-3

CEN/TR 15316-6-1:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-1: Explanation and justification of EN 15316-1, Module M3-1, M3-4, M3-9, M8-1, M8-4
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva i učinkovitosti sustava – Dio 6-1: Objašnjenje i obrazloženje norme EN 15316-1, Moduli M3-1, M3-4, M3-9, M8-1, M8-4

CEN/TR 15316-6-10:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-10: Explanation and justification of EN 15316-5, Module M3-7, M8-7
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-10: Objašnjenje i obrazloženje norme EN 15316-5, Moduli M3-7, M8-7

CEN/TR 15316-6-2:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-2: Explanation and justification of EN 15316-2, Module M3-5, M4-5
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-2: Objašnjenje i obrazloženje norme EN 15316-2, Moduli M3-5, M4-5

CEN/TR 15316-6-3:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-3: Explanation and justification of 15316-3, Module M3-6, M4-6, M8-6
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-3: Objašnjenje i obrazloženje norme EN 15316-3, Module M3-6, M4-6, M8-6

CEN/TR 15316-6-5:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-5: Explanation and justification of EN 15316-4-2, Module M3-8
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-5: Objašnjenje i obrazloženje norme EN 15316-4-2, Modul M3-8

CEN/TR 15316-6-6:2017 en
Energy performance of buildings – Method for calculation of system energy performance and system efficiencies – Part 6-6: Explanation and justification of EN 15316-4-3, Module M3-8-3 M8-8-3
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-3: Objašnjenje i obrazloženje norme EN 15316-4-3, Moduli M3-8-3 M8-8-3

CEN/TR 15316-6-7:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-7: Explanation and justification of EN 15316-4-4, Module M8-3-4, M8-8-4, M8-11-4
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-7: Objašnjenje i obrazloženje norme EN 15316-4-4, Moduli M8-3-4, M8-8-4, M8-11-4

CEN/TR 15316-6-9:2017 en
Energy performance of buildings – Method for calculation of system energy requirements and system efficiencies – Part 6-9: Explanation and justification of EN 15316-4-8, Module M3-8-8
Energijiska svojstva zgrada – Metoda proračuna energijskih zahtjeva sustava i njegove učinkovitosti – Dio 6-9: Objašnjenje i obrazloženje norme EN 15316-4-8, Modul M3-8-8

CEN/TR 15378-2:2017 en
Energy performance of buildings – Heating systems and DHW in buildings – Part 2: Explanation and justification of EN 15378-1, Module M3-11 and M8-11
Energijiska svojstva zgrada – Sustavi grijanja i pripreme potrošne tople vode (PTV) u zgradama – 2. dio: Objašnjenje i obrazloženje norme EN 15378-1, Moduli M3-11 i M8-11

CEN/TR 15378-4:2017 en
Energy performance of buildings – Measured energy performance – Part 4: Explanation and justification of EN 15378-3, Module M3-10, M8-10
Energijiska svojstva zgrada – (Iz)mjerena svojstva zgrada – Objašnjenje i obrazloženje norme EN 15378-3, Moduli M3-10, M8-10

CEN/TR 16798-6:2017 en
Energy performance of buildings – Part 6: Ventilation for buildings – Modules M5-6, M5-8, M6-5, M6-8, M7-5, M7-8 – Calculation methods for energy requirements of ventilation and air conditioning systems – Technical report - interpretation of the requirements in EN 16798-5-1 and EN 16798-5-2
Energijiska svojstva zgrada – 6. dio: Ventilacija u zgradama – Moduli M5-6, M5-8, M6-5, M6-8, M7-5, M7-8 – Metoda proračuna energijskih zahtjeva za sustave ventilacije i klimatizacije – Tehnički izvještaj - tumačenje zahtjeva u EN 16798-5-1 i EN 16798-5-2

HZN/TO 551, *Gradnja*

prEN ISO 8394-2 en
Buildings and civil engineering works – Joining products – Part 2: Using standardized apparatus (ISO/DIS 8394-2:2017)
Zgrade i inženjerske građevine – Proizvodi za spajanje – 2. dio: Upotreba normiranog uređaja (ISO/DIS 8394-2:2017)

HZN/TO 553, *Predgotovljeni proizvodi*

prEN 13369 en
Common rules for precast concrete products
Opća pravila za predgotovljene betonske elemente

HZN/TO 556, *Osobna zaštitna oprema*

prEN 13634 en
Protective footwear for motorcycle riders – Requirements and test methods
Zaštitna obuća za vozače motocikla – Zahtjevi i metode ispitivanja

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

prEN 303-6 en
Heating boilers – Part 6: Heating boilers with forced draught burners – Specific requirements for the domestic hot water operation and energy performance of water heaters and combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW

prEN 15332 en
Heating boilers – Energy assessment of hot water storage systems
Toplovodni kotlovi – Procjena energije za akumulacijske sustave sanitarne tople vode

HZN/TO 566, *Mlijeko i mliječni proizvodi*

ISO 27105:2016 en
Milk and cheese – Determination of hen's egg white lysozyme content by high performance liquid chromatography
Mlijeko i sir – Određivanje sadržaja lizozima bjelanjka kokošjeg jajeta tekućom kromatografijom visokog učinka

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

FprCEN/TS 17061 en
Foodstuffs – Guidelines for the calibration and quantitative determination of pesticide residues and organic contaminants using chromatographic methods
Hrana – Smjernice za kalibriranje i kvantitativno određivanje ostataka pesticida i organskih kontaminanata primjenom kromatografskih metoda

FprCEN/TS 17062 en
Foods of plant origin – Multimethod for the determination of pesticide residues in vegetable oils by LC-MS/MS
Hrana biljnog podrijetla – Multirezidualna metoda za određivanje ostataka pesticida u uzorcima biljnog ulja metodom LC-MS/MS

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

prEN 17109 en
Ropes courses – Individual safety system – Safety requirements and test methods

HZN/TO 573, *Elektronički račun*

FprCEN/TS 16931-2 en
Electronic invoicing – Part 2: List of syntaxes that comply with EN 16931-1
Elektronički račun – 2. dio: Lista sintaksi u skladu s EN 16931-1

FprCEN/TS 16931-3-1 en
Electronic invoicing – Part 3-1: Methodology for syntax bindings of the core elements of an electronic invoice
Elektronički račun – 4. dio: Smjernice za uspostavu povezivanja osnovnih elemenata elektroničkog računa

FprCEN/TR 16931-4 en
Electronic invoicing – Part 4: Guidelines on interoperability of electronic invoices at the transmission level
Elektronički račun – 4. dio: Smjernice za uspostavu interoperabilnosti u razmjeni elektroničkog računa na tehničkoj razini

FprCEN/TR 16931-5 en
Electronic invoicing – Part 5: Guidelines on the use of sector or country extensions in conjunction with EN 16931-1, methodology to be applied in the real environment
Elektronički račun – 5. dio: Smjernice za primjenu opcionalnih sektorskih ili nacionalnih proširenja u svezi s EN 16931-1, metodologija primjene u stvarnoj okolini

HZN/TO E2, *Rotacijski strojevi*

prEN 60276:2017 en
Definitions and nomenclature for carbon brushes, brush-holders, commutators and slip-rings (IEC 60276:201X)
Definicije i nomenklatura ugljenih četkica, držača četkica, komutatora i kliznih koluta (IEC 60276:201X)

HZN/TO E23, *Električni instalacijski pribor*

EN 61242:1997/A13:2017 en
Electrical accessories – Cable reels for household and similar purposes
Električni pribor – Namatalice kabela za kućanstvo i slične svrhe

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

prEN 61347-2-14:2017 en
Lamp controlgear – Part 2-14: Particular requirements for d.c. and/or a.c. supplied electronic controlgear for fluorescent induction lamps (IEC 61347-2-14:201X)

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

prEN 60335-2-114:2017 en
Household and similar electrical appliances – Safety – Part 2-114: Particular requirements for self-balancing personal transport devices incorporating batteries containing alkaline or other non-acid electrolytes (IEC 60335-2-114:201X)

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

prEN 61158-1:2017 en
Industrial communication networks – Fieldbus specifications – Part 1: Overview and guidance for the IEC 61158 and IEC 61784 series (IEC 61158-1:201X)
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – 1. dio: Pregled i smjernice za niz norma IEC 61158 i 61784 (IEC 61158-1:201X)

prEN 61158-3-x:2017 en
Industrial communication networks – Fieldbus specifications – Part 3-X: Data-link layer service definition – Type X elements (IEC 61158-3-X:201X)
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 3-X: Definicija usluge sloja podatkovne veze OSI referentnog modela – Elementi tipa X (IEC 61158-3-X:201X)

prEN 61158-5-x:2017 en
Industrial communication networks – Fieldbus specifications – Part 5-X: Application layer service definition – Type X elements (IEC 61158-5-X:201X)
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 5-X: Definicija usluge aplikacijskog sloja OSI referentnog modela – Elementi tipa X (IEC 61158-5-X:201X)

prEN 61158-6-x:2017 en
Industrial communication networks – Fieldbus specifications – Part 6-X: Application layer protocol specification – Type X elements (IEC 61158-6-X:201X)
Industrijske komunikacijske mreže – Specifikacije industrijske sabirnice (fieldbus) – Dio 6-X: Specifikacija protokola aplikacijskog sloja OSI referentnog modela – Elementi tipa X (IEC 61158-6-X:201X)

prEN 61784-1:2017 en
Industrial communication networks – Profiles – Part 1: Fieldbus profiles (IEC 61784-1:201X)
Industrijske komunikacijske mreže – Profili – 1. dio: Profili industrijske sabirnice (fieldbus) (IEC 61784-1:201X)

prEN 61784-2:2017 en
Industrial communication networks – Profiles – Part 2: Additional fieldbus profiles for real-time networks based on ISO/IEC 8802-3 (IEC 61784-2:201X)
Industrijske komunikacijske mreže – Profili – 2. dio: Dodatni profili industrijske sabirnice (fieldbus) za mreže u realnom vremenu temeljene na ISO/IEC 8802-3 (IEC 61784-2:201X)

prEN 61918:2017 en
Industrial communication networks – Installation of communication networks in industrial premises (IEC 61918:201X)
Industrijske komunikacijske mreže – Instalacija komunikacijskih mreža u industrijskim uvjetima (IEC 61918:201X)

HZN/TO E69, *Cestovna i industrijska električna vozila*

prEN 62576:2017 en
Electric double-layer capacitors for use in hybrid electric vehicles – Test methods for electrical characteristics (IEC 62576:201X)
Električni dvoslojni kondenzatori za uporabu u hibridnim električnim vozilima – Ispitne metode električnih značajki (IEC 62576:201X)

HZN/TO E78, *Rad pod naponom*

prEN 61482-1-1:2017 en
Live working – Protective clothing against the thermal hazards of an electric arc – Part 1-1: Test methods – Method 1: Determination of the arc rating (ELIM, ATPV and/or EBT) of clothing materials and of protective clothing using an open arc (IEC 61482-1-1:201X)

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

prEN 62684:2017 en
Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones (IEC 62684:201X)

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

FprEN 50360:2017 en
Product standard to demonstrate the compliance of wireless communication devices, with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 300 MHz to 6 GHz; devices used next to the ear
Norma proizvoda za pokazivanje sukladnosti bežičnih komunikacijskih uređaja s temeljnim ograničenjima i graničnim vrijednostima izloženosti koja se odnose na izloženost ljudi elektromagnetskim poljima u frekvencijskom području od 300 MHz do 6 GHz; uređaji koji se koriste u blizini uha

FprEN 50385:2017 en
Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits (110 MHz - 100 GHz), when placed on the market
Norma za proizvode za pokazivanje sukladnosti opreme bazne postaje s granicama izloženosti radiofrekvencijskom elektromagnetskom polju (110 MHz - 100 GHz), kada je stavljena na tržište

FprEN 50401:2017 en
Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits (110 MHz - 100 GHz), when put into service
Norma za proizvode za pokazivanje sukladnosti opreme bazne postaje s granicama izloženosti radiofrekvencijskom elektromagnetskom polju (110 MHz - 100 GHz), kada je puštena u rad

FprEN 50566:2017 en

Product standard to demonstrate the compliance of wireless communication devices with the basic restrictions and exposure limit values related to human exposure to electromagnetic fields in the frequency range from 30 MHz to 6 GHz: hand-held and body mounted devices in close proximity to the human body

Norma proizvođača za pokazivanje sukladnosti bežičnih komunikacijskih uređaja s temeljnim ograničenjima i graničnim vrijednostima izloženosti koja se odnose na izloženost ljudi elektromagnetskim poljima u frekvencijskom području od 30 MHz do 6 GHz; ručni uređaji i uređaji koji se pričvrste neposredno uz tijelo

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 224 V2.0.0:2017 en

Land Mobile Service – Radio Equipment for use in a Paging Service operating within the frequency range 25 MHz - 470 MHz – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Kopnena pokretna služba – Radijska oprema za uporabu u jednosmjernom pozivanju koja radi u frekvencijskom području 25 MHz - 470 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

EN 300 422-1 V2.1.2:2017 en

Wireless Microphones – Audio PMSE up to 3 GHz – Part 1: Class A Receivers – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU (EN 300 422-1 V2.1.2:2017)

Bežični mikrofoni – Audio PMSE do 3 GHz – 1. dio: Prijamnici klase A – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 301 357 V2.0.1:2017 en

Cordless audio devices in the range 25 MHz to 2 000 MHz – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Bežični audio uređaji u području od 25 MHz do 2 000 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 301 489-1 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 1: Common technical requirements – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 1. dio: Zajednički tehnički zahtjevi – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU i bitne zahtjeve iz članka 6 Direktive 2014/30/EU

Draft EN 301 489-2 V2.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 2: Specific conditions for radio paging equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 2. dio: Posebni zahtjevi za radijsku opremu za jednosmjerno pozivanje – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 301 489-4 V3.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 4: Specific conditions for fixed radio links and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 4. dio: Posebni uvjeti za nepokretne radijske veze i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-5 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 5: Specific conditions for Private Land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) and Terrestrial Trunked Radio (TETRA) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 5. dio: Posebni uvjeti za privatni kopneni pokretni radio (PMR) i pomoćnu opremu (s govorom i bez govora) i terestrijalni trunking radio (TETRA) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-6 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 6: Specific conditions for Digital Enhanced Cordless Telecommunications (DECT) equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 6. dio: Posebni uvjeti za opremu digitalnih poboljšanih bežičnih telekomunikacija (DECT) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-15 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 15: Specific conditions for commercially available amateur radio equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 15. dio: Posebni uvjeti za komercijalno dostupnu opremu za radioamatere – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-17 V3.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 17: Specific conditions for Broadband Data Transmission Systems – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 17. dio: Posebni uvjeti za sustave širokopojasnog prijenosa podataka – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-19 V2.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 19: Specific conditions for Receive Only Mobile Earth Stations (ROMES) operating in the 1,5 GHz band providing data communications and GNSS receivers operating in the RNSS band (ROGNSS) providing positioning, navigation, and timing data – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 19. dio: Posebni uvjeti samo za prijemne pokretne zemaljske postaje (ROMES) koje rade u frekvencijskom pojasu 1,5 GHz omogućavajući komunikaciju podataka i GNSS prijarnike u RNSS pojasu (ROGNSS) osiguravajući pozicioniranje, navigaciju i pravovremenost podataka – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-27 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) operating in the 402 MHz to 405 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 27. dio: Posebni uvjeti za aktivne medicinske implantate veoma male snage (ULP-AMI) i odgovarajuće periferne naprave (ULP-AMI-P) koji rade u frekvencijskim pojasima od 402 MHz do 405 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-29 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 29: Specific conditions for Medical Data Service Devices (MEDS) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 29. dio: Posebni uvjeti za uređaje službe medicinskih podataka (MEDS) koji rade u frekvencijskim pojasima od 401 MHz do 402 MHz i od 405 MHz do 406 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-31 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 31: Specific conditions for equipment in the 9 kHz to 315 kHz band for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 31. dio: Posebni uvjeti za aktivne medicinske implantate veoma male snage (ULP-AMI) i odgovarajuće periferne naprave (ULP-AMI-P) koji rade u frekvencijskom pojasu od 9 kHz do 315 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-33 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 33: Specific conditions for Ultra-WideBand (UWB) devices – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) radijske opreme i servisa – 33. dio: Posebni uvjeti za ultra širokopojasne uređaje (UWB) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-35 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2 483,5 MHz to 2 500 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost radijske (EMC) za radijsku opremu i službe – 35. dio: Posebni uvjeti za aktivne medicinske implantate male snage (LP-AMI) koji rade u frekvencijskim pojasima od 2 483,5 MHz do 2 500 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-50 V2.2.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost radijske (EMC) opreme i servisa – 50. dio: Posebni uvjeti za baze postaje (BS) pokretnih komunikacija, repetitore i pomoćnu opremu – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-51 V2.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 51: Specific conditions for Automotive, Ground based Vehicles and Surveillance Radar Devices using 24,05 GHz to 24,25 GHz, 24,05 GHz to 24,5 GHz, 76 GHz to 77 GHz and 77 GHz to 81 GHz – Harmonised Standard covering the essential requirements of article 3.1b of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 51. dio: Posebni uvjeti za automobile, zemaljska vozila i nadzornu radarsku opremu u frekvencijskim pojasima od 24,05 GHz do 24,25 GHz, od 24,05 GHz do 24,5 GHz, od 76 GHz do 77 GHz i od 77 GHz do 81 GHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 301 489-53 V1.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 53: Specific conditions for terrestrial sound broadcasting and digital TV broadcasting service transmitters and associated ancillary equipment – Harmonised standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) za radijsku opremu i službe – 53. dio: Posebni uvjeti za odašiljače i pridruženu pomoćnu opremu zemaljskih audio difuznih i digitalnih TV difuznih servisa – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 302 065-5 V1.1.0:2017 en

Short Range Devices (SRD) using Ultra Wide Band technology (UWB) – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU – Part 5: Devices using UWB technology onboard aircraft

Uređaji kratkoga dometa (SRD) koji upotrebljavaju ultra širokopojasnu tehnologiju (UWB) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU – 5. dio: Uređaji u kabini zrakoplova koji upotrebljavaju UWB tehnologiju

EN 302 480 V2.1.2:2017 en

Mobile Communication On Board Aircraft (MCOBA) systems – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Sustavi pokretnih komunikacija u zrakoplovu (MCOBA) – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 303 413 V1.1.0:2017 en

Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers – Radio equipment operating in the 1 164 MHz to 1 300 MHz and 1 559 MHz to 1 610 MHz frequency bands – Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU

Satelitske zemaljske postaje i sustavi (SES) – Prijamnici globalnoga satelitskog navigacijskog sustava (GNSS) – Radijska oprema koja radi u frekvencijskim pojasima od 1 164 MHz do 1 300 MHz i od 1 559 MHz do 1 610 MHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 303 446-1 V1.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment – Part 1: Requirements for equipment intended to be used in residential, commercial and light industry locations – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) kombinirane i/ili integrirane radijske i neradijske opreme – 1. dio: Zahtjevi za opremu namijenjenu za uporabu u stambenim, trgovačkim područjima i područjima lake industrije – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 303 446-2 V1.1.0:2017 en

ElectroMagnetic Compatibility (EMC) standard for combined and/or integrated radio and non-radio equipment – Part 2: Specific conditions for equipment intended to be used in industrial locations – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

Norma za elektromagnetsku kompatibilnost (EMC) kombinirane i/ili integrirane radijske i ne-radijske opreme – 2. dio: Posebni uvjeti za opremu namijenjenu za uporabu u industrijskim područjima – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.1(b) Direktive 2014/53/EU

Draft EN 303 454 V1.1.0:2017 en

Short Range Devices (SRD) – Metal and object detection sensors in the frequency range 1 kHz to 148,5 kHz – Harmonised standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Uređaji kratkoga dometa (SRD) – Senzori za detekciju metala i objekta u frekvencijskom području od 1 kHz do 148,5 kHz – Harmonizirana norma koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

Draft EN 303 980 V1.1.0:2017 en

Satellite Earth Stations and Systems (SES) – Harmonised Standard for fixed and in-motion Earth Stations communicating with non-geostationary satellite systems (NEST) in the 11 GHz to 14 GHz frequency bands covering essential requirements of article 3.2 of the Directive 2014/53/EU

Satelitske zemaljske postaje i sustavi (SES) – Harmonizirana norma za nepokretne i pokretne zemaljske postaje koje komuniciraju s negeostacionarnim satelitskim sustavima (NEST) u frekvencijskim pojasima od 11 GHz do 14 GHz, koja obuhvaća bitne zahtjeve iz članka 3.2 Direktive 2014/53/EU

HZN/TO Z1, *Informacijska tehnologija*

prEN 419231 en
Protection profile for trustworthy systems supporting time stamping

prEN 419241-1 en
Trustworthy Systems Supporting Server Signing – Part 1: General System Security Requirements

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

prEN ISO 22315 en
Societal security – Mass evacuation – Guidelines for planning (ISO 22315:2014)
Društvena sigurnost – Masovne evakuacije – Smjernice za planiranje (ISO 22315:2014)

prEN ISO 22397 en
Societal security – Guidelines for establishing partnering arrangements
Društvena sigurnost – Smjernice za za uspostavu partnerskih dogovora

HZN/TU I2, *Strojarstvo 2*

prEN 474-1 en
Earth-moving machinery – Safety – Part 1: General requirements
Strojevi za zemljane radove – Sigurnost – 1. dio: Opći zahtjevi

prEN 474-2 en
Earth-moving machinery – Safety – Part 2: Requirements for tractor-dozers
Strojevi za zemljane radove – Sigurnost – 2. dio: Zahtjevi za traktorske dozere

prEN 474-3 en
Earth-moving machinery – Safety – Part 3: Requirements for loaders
Strojevi za zemljane radove – Sigurnost – 3. dio: Zahtjevi za utovarivače

prEN 474-4 en
Earth-moving machinery – Safety – Part 4: Requirements for backhoe loaders
Strojevi za zemljane radove – Sigurnost – 4. dio: Zahtjevi za bagere utovarivače

prEN 474-5 en
Earth-moving machinery – Safety – Part 5: Requirements for hydraulic excavators
Strojevi za zemljane radove – Sigurnost – 5. dio: Zahtjevi za hidraulične bagere

prEN 474-6 en
Earth-moving machinery – Safety – Part 6: Requirements for dumpers
Strojevi za zemljane radove – Sigurnost – 6. dio: Zahtjevi za kamione kipere

prEN 474-7 en
Earth-moving machinery – Safety – Part 7: Requirements for scrapers
Strojevi za zemljane radove – Sigurnost – 7. dio: Zahtjevi za strugače

prEN 474-8 en
Earth-moving machinery – Safety – Part 8: Requirements for graders
Strojevi za zemljane radove – Sigurnost – 8. dio: Zahtjevi za ralice

prEN 474-9 en
Earth-moving machinery – Safety – Part 9: Requirements for pipelayers
Strojevi za zemljane radove – Sigurnost – 9. dio: Zahtjevi za polagače cijevi

prEN 474-10 en
Earth-moving machinery – Safety – Part 10: Requirements for trenchers
Strojevi za zemljane radove – Sigurnost – 10. dio: Zahtjevi za rovokopače

prEN 474-11 en
Earth-moving machinery – Safety – Part 11: Requirements for earth-and landfill compactors
Strojevi za zemljane radove – Sigurnost – 11. dio: Zahtjevi za strojeve za zbijanje zemlje i otpada na odlagalištima

prEN 474-12 en
Earth-moving machinery – Safety – Part 12: Requirements for cable excavators
Strojevi za zemljane radove – Sigurnost – 12. dio: Zahtjevi za kabelaške bagere

prEN 474-13 en
Earth-moving machinery – Safety – Part 13: Requirements for rollers
Strojevi za zemljane radove – Sigurnost – 13. dio: Zahtjevi za valjke

prEN 17106-3-2 en
Road operation machinery – Safety – Part 3-2: Winter service machines – Specific requirements for spreading machines

prEN ISO 20238 en
Conveyor belts – Drum friction testing (ISO/DIS 20238:2017)
Transportne trake – Ispitivanje trenja na bubnjevima (ISO/DIS 20238:2017)

HZN/TU M1, *Metalni materijali 1*

prEN ISO 4490 en
Metallic powders – Determination of flow rate by means of a calibrated funnel (Hall flowmeter) (ISO/DIS 4490:2017)
Metalni prah – Određivanje protoka pomoću umjernoga lijevka (Hallow mjerjač protoka) (ISO/DIS 4490:2017)

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

prEN ISO 7492 rev en
Dental explorers (ISO/DIS 7492:2017)
Stomatološke sonde (ISO/DIS 7492:2017)

EN ISO 9687:2015/prA1 en
Dentistry – Graphical symbols for dental equipment (ISO 9687:2015/DAmD 1:2017)
Stomatologija – Grafički simboli za stomatološku opremu (ISO 9687:2015/DAmD 1:2017)

FprEN ISO 10555-6 en
Intravascular catheters – Sterile and single-use catheters – Part 6: Subcutaneous implanted ports (ISO 10555-6:2015)
Intravaskularni kateteri – Sterilni i jednokratni kateteri – 6. dio: Potkožni priključci za kateter (ISO 10555-6:2015)

prEN ISO 20608 en
Dentistry – Powder jet handpieces and powders (ISO/DIS 20608:2017)
Stomatologija – Instrumenti i abrazivni prašci za pjeskarenje (ISO/DIS 20608:2017)

prEN ISO 28158 en
Dentistry – Integrated dental floss and handles (ISO/DIS 28158:2017)
Stomatologija – Zubna svila s držačem (ISO/DIS 28158:2017)

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

prEN ISO 15952 en
Soil quality – Effects of pollutants on juvenile land snails (Helicidae) – Determination of the effects on growth by soil contamination (ISO/DIS 15952:2017)
Kvaliteta tla – Učinci onečišćivača na mlade zemljišne puževe (Helicidae) – Određivanje učinaka onečišćenosti tla na razvoj (ISO/DIS 15952:2017)

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

FprEN 2132 en
Aerospace series – Electrodeposition of Chromium for Engineering Purposes

FprEN 2287 en
Aerospace series – Bushes, plain corrosion resisting steel with self-lubricating liner – Dimensions and loads
Zrakoplovstvo – Čahure izrađene od običnog čelika otpornog na koroziju sa samopodmazujućom površinom – Dimenzije i opterećenja

- FprEN 2321 en
Aerospace series – Aluminium Alloy 2024-T3 – Bars and Sections a < or = 150 mm
- FprEN 2850 en
Aerospace series – Carbon fibre thermosetting resin unidirectional laminates – Compression test parallel to fibre direction
- FprEN 3094 en
Aerospace series – Sealants – Test method – determination of the application time
- FprEN 3460 en
Aerospace series – Titanium TI-P99002 – Annealed – Bar for machining – a or D ≤ 150 mm – Rm ≥ 390 MPa
- FprEN 3820 en
Aerospace series – Metric bolts, normal hexagon head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1 100 MPa (at ambient temperature)/315 °C
Zrakoplovstvo – Metričke matice, normalna šesterokutna glava, normalnog struka grube tolerancije, kratki navoj, od legure titana, anodizirane, podmazane s MoS2 – Klasifikacija: 1100 MPa (pri temperaturi okoline)/315 °C
- FprEN 4289 en
Aerospace series – Aluminium alloy AL-P7175 – Forging stock
- FprEN 6018 en
Aerospace series – Test methods for metallic materials – Determination of density according to displacement method
- FprEN 6040 en
Aerospace series – Non-metallic materials – Test method – Analysis of thermoset systems by High Performance Liquid Chromatography (HPLC)
- FprEN 6128 en
Aerospace series – Blind bolt, 100° flush head, high strength

HZN/TU U1, *Opća elektrotehnika 1*

- prEN 60695-6-2:2017 en
Fire hazard testing – Part 6-2: Smoke obscuration – Summary and relevance of test methods (IEC 60695-6-2:201X)
Ispitivanje opasnosti od požara – Dio 6-2: Dimno zamračenje – Sažetak i značaj metode ispitivanja (IEC 60695-6-2:201X)
- prEN 81346-2:2017 en
Industrial systems, installations and equipment and industrial products – Structuring principles and reference designations – Part 2: Classification of objects and codes for classes (IEC 81346-2:201X)
Industrijski sustavi, instalacije i oprema te industrijski proizvodi – Strukturiranje načela i referencijske oznake – 2. dio: Klasifikacija objekata i kodova za razrede (IEC 81346-2:201X)

HZN/TU V1, *Elektronika 1*

- EN 60122-1:2002/prA1:2017 en
Quartz crystal units of assessed quality – Part 1: Generic specification (IEC 60122-1:2002/am1:201X)
- prEN 60512-8-3:2017 en
Connectors for electronic equipment – Tests and measurements – Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever (IEC 60512-8-3:201X)

HZN/TU W1, *Energetska elektrotehnika 1*

- EN 62841-3-4:2016/prAB:2017 en
Electric motor-operated hand-held tools; transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders
Ručni elektromotorni alati, prijenosni alati i mehanizacija za travnjake i vrtove – Sigurnost – Dio 3-4: Posebni zahtjevi za prijenosne stolne brusilice
- prEN 62902:2017 en
Secondary batteries: Marking symbols for identification of their chemistry (IEC 62902:201X)

1.4 Povučene hrvatske norme

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

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

HZN/TO 21, *Protupožarna i vatrogasna oprema*

- HRN EN 12101-2:2008 en
Sustavi za upravljanje dimom i toplinom – 2. dio: Specifikacija uređaja za prirodno odvođenje dima i topline (EN 12101-2:2003)
Smoke and heat control systems – Part 2: Specification for natural smoke and heat exhaust ventilators (EN 12101-2:2003)
- zamijenjena s: HRN EN 12101-2:2017

HZN/TO 44, *Zavarivanje i srodni postupci*

- HRN EN 582:2002 en
Toplinsko naštrcavanje – Utvrđivanje vlačne čvrstoće prijanjanja (EN 582:1993)
Thermal spraying – Determination of tensile adhesive strength (EN 582:1993)
- zamijenjena s: HRN EN ISO 14916:2017
- HRN EN 657:2008 en
Toplinsko naštrcavanje – Nazivlje, razredba (EN 657:2005)
Thermal spraying – Terminology, classification (EN 657:2005)
- zamijenjena s: HRN EN ISO 14917:2017

HZN/TO 54, *Eterična ulja*

- HRN ISO 3054:2004 en
Ulje lavandina 'Abrialis' (Lavandula angustifolia Miller x Lavandula latifolia Medicus), francuski tip (ISO 3054:2001)
Oil of lavandin Abrial (Lavandula angustifolia Miller x Lavandula latifolia Medicus), French type (ISO 3054:2001)
- zamijenjena s: HRN ISO 3054:2017
- HRN ISO 3848:2005 en
Ulje citronele, javanski tip (ISO 3848:2001)
Oil of citronella, Java type (ISO 3848:2001)
- zamijenjena s: HRN ISO 3848:2017
- HRN ISO 3848:2005/Ispr.1:2016 en
Ulje citronele, javanski tip (ISO 3848:2001/Cor 1:2002)
Oil of citronella, Java type (ISO 3848:2001/Cor 1:2002)
- zamijenjena s: HRN ISO 3848:2017
- HRN ISO 4730:2004 en
Ulje Melaleuca-e, tip terpinen-4-ol (Ulje australskog čajnog drva) (ISO 4730:1996+Cor 1:1997)
Oil of Melaleuca, terpinen-4-ol type (Tea Tree oil) (ISO 4730:1996+Cor 1:1997)
- zamijenjena s: HRN ISO 4730:2017
- HRN ISO 8902:2005 en
Ulje lavandina Grosso [Lavandula angustifolia Miller x Lavandula latifolia (L. f.) Medikus], francuski tip (ISO 8902:1999)
Oil of lavandin Grosso [Lavandula angustifolia Miller x Lavandula latifolia (L. f.) Medikus], French type (ISO 8902:1999)
- zamijenjena s: HRN ISO 8902:2017

HZN/TO 89, *Furniri i drvene ploče*

- HRN EN 14322:2008 en
Ploče na osnovi drva – Melaminom obložene ploče za unutarnju uporabu – Definicija, zahtjevi i klasifikacija (EN 14322:2004)
Wood-based panels – Melamine faced boards for interior uses – Definition, requirements and classification (EN 14322:2004)
- zamijenjena s: HRN EN 14322:2017

HZN/TO 135, Nerazorna ispitivanja

HRN EN ISO 16946:2015 en
Nerazorno ispitivanje – Ultrazvučno ispitivanje – Specifikacija za stepeničasti radni etalon (ISO 16946:2015; EN ISO 16946:2015)
Non-destructive testing – Ultrasonic testing – Specification for step wedge calibration block (ISO 16946:2015; EN ISO 16946:2015)
- zamijenjena s: HRN EN ISO 16946:2017

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

HRN ENV 1453-2:2003 en
Plastični cijevni sustavi s cijevima sa strukturiranom stijenkom za odvodnju onečišćenih i otpadnih voda (niske i visoke temperature) unutar zgrada – Neomekšani poli(vinil-klorid) (PVC-U) – 2. dio: Upute za ocjenu sukladnosti (ENV 1453-2:2000)
Plastics piping systems with structured wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Guidance for the assessment of conformity (ENV 1453-2:2000)
- zamijenjena s: HRS CEN/TS 1453-2:2017

HZN/TO 145, Grafički simboli

HRN ISO 3864-2:2008 en
Grafički simboli – Boje i znakovi sigurnosti – 2. dio: Načela oblikovanja sigurnosnih oznaka na proizvodima (ISO 3864-2:2004)
Graphical symbols – Safety colours and safety signs – Part 2: Design principles for product safety labels (ISO 3864-2:2004)
- zamijenjena s: HRN ISO 3864-2:2017

HZN/TO 159, Ergonomija

HRN EN ISO 9241-12:2004 en
Ergonomski zahtjevi za uredski rad s vizualnim zaslonima (VDT) – 12. dio: Prikazivanje informacija (ISO 9241-12:1998; EN ISO 9241-12:1998)
Ergonomic requirements for office work with visual display terminals (VDTs) – Part 12: Presentation of information (ISO 9241-12:1998; EN ISO 9241-12:1998)
- zamijenjena s: HRN EN ISO 9241-12:2017

HZN/TO 182, Geotehničke konstrukcije

HRS CEN ISO/TS 17892-5:2008 en
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 5. dio: Edometarsko ispitivanje s inkrementalnim opterećenjem (ISO/TS 17892-5:2004; CEN ISO/TS 17892-5:2004)
Geotechnical investigation and testing – Laboratory testing of soil – Part 5: Incremental loading oedometer test (ISO/TS 17892-5:2004; CEN ISO/TS 17892-5:2004)
- zamijenjena s: HRN EN ISO 17892-5:2017

HRS CEN ISO/TS 17892-6:2008 en
Geotehničko istraživanje i ispitivanje – Laboratorijsko ispitivanje tla – 6. dio: Pokus s padajućim šiljkom (ISO/TS 17892-6:2004; CEN ISO/TS 17892-6:2004)
Geotechnical investigation and testing – Laboratory testing of soil – Part 6: Fall cone test (ISO/TS 17892-6:2004; CEN ISO/TS 17892-6:2004)
- zamijenjena s: HRN EN ISO 17892-6:2017

HZN/TO 190, Kvaliteta tla

HRN EN ISO 11272:2014 en
Kvaliteta tla – Određivanje volumne gustoće suhog tla (ISO 11272:1998; EN ISO 11272:2014)
Soil quality – Determination of dry bulk density (ISO 11272:1998; EN ISO 11272:2014)
- zamijenjena s: HRN EN ISO 11272:2017

HZN/TO 217, Kozmetika

HRN EN ISO 29621:2011 en
Kozmetika – Mikrobiologija – Smjernice za procjenu rizika i identifikaciju proizvoda niskoga mikrobiološkog rizika (ISO 29621:2010; EN ISO 29621:2011)
Cosmetics – Microbiology – Guidelines for the risk assessment and identification of microbiologically low-risk products (ISO 29621:2010; EN ISO 29621:2011)
- zamijenjena s: HRN EN ISO 29621:2017

HZN/TO 228, Usluge u turizmu

HRN EN 14467:2008 en
Usluge rekreativnog ronjenja – Zahtjevi za pružatelje usluga rekreativnog ronjenja sa samostalnom ronilačkom opremom (EN 14467:2004)
Recreational diving services – Requirements for recreational scuba diving service providers (EN 14467:2004)
- zamijenjena s: HRN EN ISO 24803:2017

HZN/TO 504, Korozija i zaštita metala i legura

HRN EN 15826:2010 en
Staklasti i porculanski emajli – Nazivlje (EN 15826:2009)
Vitreous and porcelain enamels – Terminology (EN 15826:2009)
- zamijenjena s: HRN EN ISO 19496-1:2017

HZN/TO 508, Ambalaža i pakiranje

HRN EN 15007:2008 en
Metalni spremnici za aerosole – Pokositreni metalni spremnici – Dimenzije dvodijelnih i trodijelnih limenki (EN 15007:2006)
Metal aerosol containers – Tinplate containers – Dimensions of two and three-piece cans (EN 15007:2006)
- zamijenjena s: HRN EN 15007:2017

HRN EN 15008:2008 en
Spremnici za aerosole – Aluminijski spremnici – Dimenzije jednodijelnih limenki s otvorom 25,4 mm (EN 15008:2006)
Aerosol containers – Aluminium containers – Dimensions of one-piece cans with 25,4 mm aperture (EN 15008:2006)
- zamijenjena s: HRN EN 15008:2017

HZN/TO 509, Cestovna oprema

HRN EN 1793-1:2013 en
Barijere za zaštitu od buke s cesta – Metoda određivanja akustičkih svojstva – 1. dio: Značajke zvučne apsorpcije proizvoda (EN 1793-1:2012)
Road traffic noise reducing devices – Test method for determining the acoustic performance – Part 1: Intrinsic characteristics of sound absorption (EN 1793-1:2012)
- zamijenjena s: HRN EN 1793-1:2017

HZN/TO 513, Mjerne jedinice i mjerila

HRN ISO 13321:2008 en
Analiza veličine čestica – Fotonskokorelacijska spektroskopija (ISO 13321:1996)
Particle size analysis – Photon correlation spectroscopy (ISO 13321:1996)
- zamijenjena s: HRN ISO 22412:2017

HZN/TO 515, Žičare, uspinjače i vučnice

HRN EN 13796-1:2008 en
Sigurnosni zahtjevi za žičare za prijevoz osoba – Vozila – 1. dio: Stezni uređaji, vozna kolica, kočnice u vozilu, kabine, sjedala, vagoni, vozila za održavanje, vučni uređaji (EN 13796-1:2005)
Safety requirements for cableway installations designed to carry persons – Carriers – Part 1: Grips, carrier trucks, on-board brakes, cabins, chairs, carriages, maintenance carriers, tow-hangers (EN 13796-1:2005)
- zamijenjena s: HRN EN 13796-1:2017

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

HRN EN 13653:2005 en
Savitljive hidroizolacijske trake – Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje posmične čvrstoće (EN 13653:2004)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of shear strength (EN 13653:2004)
- zamijenjena s: HRN EN 13653:2017

HRN EN 14223:2008 en
Savitljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih površina – Određivanje upijanja vode (EN 14223:2005)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of water absorption (EN 14223:2005)
- zamijenjena s: HRN EN 14223:2017

HRN EN 14691:2005 en
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih vozni površina – Kompatibilnost pri zagrijavanju (EN 14691:2005)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Compatibility by heat conditioning (EN 14691:2005)
- zamijenjena s: HRN EN 14691:2017

HRN EN 14692:2005 en
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih vozni površina – Određivanje otpornosti prema zbijanju asfaltnog sloja (EN 14692:2005)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of the resistance to compaction of an asphalt layer (EN 14692:2005)
- zamijenjena s: HRN EN 14692:2017

HRN EN 14694:2005 en
Savittljive hidroizolacijske trake – Hidroizolacija betonskih ploča mostova i drugih betonskih vozni površina – Određivanje otpornosti prema dinamičkom tlaku vode nakon prethodnog oštećivanja (EN 14694:2005)
Flexible sheets for waterproofing – Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles – Determination of resistance to dynamic water pressure after damage by pre-treatment (EN 14694:2005)
- zamijenjena s: HRN EN 14694:2017

HZN/TO 533, Kolničke konstrukcije

HRN EN 14187-2:2004 en
Hladne brtvne mase – 2. dio: Ispitna metoda za određivanje vremena sušenja (EN 14187-2:2003)
Cold applied joint sealants – Part 2: Test method for the determination of tack free time (EN 14187-2:2003)
- zamijenjena s: HRN EN 14187-2:2017

HRN EN 14187-3:2005 en
Hladne brtvne mase – 3. dio: Ispitna metoda za određivanje samoizravnavajućih svojstava (EN 14187-3:2003)
Cold applied joint sealants – Part 3: Test method for the determination of self-levelling properties (EN 14187-3:2003)
- zamijenjena s: HRN EN 14187-3:2017

HRN EN 14187-4:2004 en
Hladne brtvne mase – 4. dio: Ispitna metoda za određivanje promjene mase i volumena nakon uranjanja u ispitna goriva (EN 14187-4:2003)
Cold applied joint sealants – Part 4: Test method for the determination of the change in mass and volume after immersion in test fuel (EN 14187-4:2003)
- zamijenjena s: HRN EN 14187-4:2017

HRN EN 14187-6:2004 en
Hladne brtvne mase – 6. dio: Ispitna metoda za određivanje adhezijskih/kohezijskih svojstava nakon uranjanja u tekuće kemikalije (EN 14187-6:2003)
Cold applied joint sealants – Part 6: Test method for the determination of the adhesion/cohesion properties after immersion in chemical liquids (EN 14187-6:2003)
- zamijenjena s: HRN EN 14187-6:2017

HRN EN 14187-8:2004 en
Hladne brtvne mase – 8. dio: Ispitna metoda za određivanje umjetnog starenja UV ozračivanjem (EN 14187-8:2003)
Cold applied joint sealants – Part 8: Test method for the determination of the artificial weathering by UV-irradiation (EN 14187-8:2003)
- zamijenjena s: HRN EN 14187-8:2017

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 11138-1:2008 en
Sterilizacija medicinskih proizvoda – Sustavi bioloških indikatora – 1. dio: Opći zahtjevi (ISO 11138-1:2006; EN ISO 11138-1:2006)
Sterilization of health care products – Biological indicators – Part 1: General requirements (ISO 11138-1:2006; EN ISO 11138-1:2006)
- zamijenjena s: HRN EN ISO 11138-1:2017

HRN EN ISO 11138-2:2010 en
Sterilizacija medicinskih proizvoda – Biološki indikatori – 2. dio: Biološki indikatori u sterilizaciji etilen oksidom (ISO 11138-2:2006; EN ISO 11138-2:2009)
Sterilization of health care products – Biological indicators – Part 2: Biological indicators for ethylene oxide sterilization processes (ISO 11138-2:2006; EN ISO 11138-2:2009)
- zamijenjena s: HRN EN ISO 11138-2:2017

HRN EN ISO 11138-3:2010 en
Sterilizacija medicinskih proizvoda – Biološki indikatori – 3. dio: Biološki indikatori u sterilizaciji vodenom parom (ISO 11138-3:2006; EN ISO 11138-3:2009)
Sterilization of health care products – Biological indicators – Part 3: Biological indicators for moist heat sterilization processes (ISO 11138-3:2006; EN ISO 11138-3:2009)
- zamijenjena s: HRN EN ISO 11138-3:2017

HRN EN ISO 11138-4:2008 en
Sterilizacija medicinskih proizvoda – Sustav bioloških indikatora – 4. dio: Uporaba pri ocjeni suhe sterilizacije (ISO 11138-4:2006; EN ISO 11138-4:2006)
Sterilization of health care products – Biological indicator systems – Part 4: Use in assessing dry heat sterilization processes (ISO 11138-4:2006; EN ISO 11138-4:2006)
- zamijenjena s: HRN EN ISO 11138-4:2017

HRN EN ISO 11138-5:2008 en
Sterilizacija medicinskih proizvoda – Sustav bioloških indikatora – 5. dio: Uporaba pri ocjeni sterilizacije formaldehidom i niskotemperaturnom parom (ISO 11138-5:2006; EN ISO 11138-5:2006)
Sterilization of health care products – Biological indicator systems – Part 5: Use in assessing low-temperature steam and formaldehyde sterilization processes (ISO 11138-5:2006; EN ISO 11138-5:2006)
- zamijenjena s: HRN EN ISO 11138-5:2017

HZN/TO 556, Osobna zaštitna oprema

HRN EN 207:2010/Ispr.1:2013 en
Osobna zaštita očiju – Filtri i sredstva za zaštitu očiju protiv laserskog zračenja (laserski štitičnici za oči) (EN 207:2009/AC:2011)
Personal eye-protection equipment – Filters and eye-protectors against laser radiation (laser eye-protectors) (EN 207:2009/AC:2011)
- zamijenjena s: HRN EN 207:2017

HZN/TO 566, Mlijeko i mliječni proizvodi

HRN EN ISO 6785:2008 en
Mlijeko i mliječni proizvodi – Određivanje Salmonella spp. (ISO 6785:2001; EN ISO 6785:2007)
Milk and milk products – Detection of Salmonella spp. (ISO 6785:2001; EN ISO 6785:2007)
- zamijenjena s: HRN EN ISO 6785-1:2017

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

HRN EN ISO 6887-1:2004 en
Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 1. dio: Opća pravila za pripremu osnovnog i ostalih decimalnih razrjeđenja (ISO 6887-1:1999; EN ISO 6887-1:1999)
Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 1: General rules for the preparation of the initial suspension and decimal dilutions (ISO 6887-1:1999; EN ISO 6887-1:1999)
- zamijenjena s: HRN EN ISO 6887-1:2017

HRN EN ISO 6887-2:2004 en
Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 2. dio: Posebna pravila za pripremu mesa i mesnih proizvoda (ISO 6887-2:2003; EN ISO 6887-2:2003)
Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 2: Specific rules for the preparation of meat and meat products (ISO 6887-2:2003; EN ISO 6887-2:2003)
- zamijenjena s: HRN EN ISO 6887-2:2017

HRN EN ISO 6887-3:2004 en
Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 3. dio: Posebna pravila za pripremu ribe i proizvoda od ribe (ISO 6887-3:2003; EN ISO 6887-3:2003)
Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 3: Specific rules for the preparation of fish and fishery products (ISO 6887-3:2003; EN ISO 6887-3:2003)
- zamijenjena s: HRN EN ISO 6887-3:2017

HRN EN ISO 6887-4:2004 en

Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 4. dio: Posebna pravila za pripremu proizvoda osim mlijeka i mliječnih proizvoda, mesa i mesnih proizvoda i ribe i proizvoda od ribe (ISO 6887-4:2003; EN ISO 6887-4:2003)

Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, fish and fishery products (ISO 6887-4:2003; EN ISO 6887-4:2003)

- zamijenjena s: HRN EN ISO 6887-4:2017

HRN EN ISO 6887-4:2004/A1:2012 en

Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnoga i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 4. dio: Posebna pravila za pripremu proizvoda osim mlijeka i mliječnih proizvoda, mesa i mesnih proizvoda te ribe i proizvoda ribarstva (ISO 6887-4:2003/Amd 1:2011; EN ISO 6887-4:2003/A1:2011)

Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products (ISO 6887-4:2003/Amd 1:2011; EN ISO 6887-4:2003/A1:2011)

- zamijenjena s: HRN EN ISO 6887-4:2017

HRN EN ISO 6887-4:2004/Ispr.1:2008 en

Mikrobiologija hrane i stočne hrane – Priprema ispitnih uzoraka, osnovnog i ostalih decimalnih razrjeđenja za mikrobiološku pretragu – 4. dio: Posebna pravila za pripremu proizvoda osim mlijeka i mliječnih proizvoda, mesa i mesnih proizvoda i ribe i proizvoda od ribe (ISO 6887-4:2003/Cor 1:2004; EN ISO 6887-4:2003/AC:2004)

Microbiology of food and animal feeding stuffs – Preparation of test samples, initial suspension and decimal dilutions for microbiological examination – Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products (ISO 6887-4:2003/Cor 1:2004; EN ISO 6887-4:2003/AC:2004)

- zamijenjena s: HRN EN ISO 6887-4:2017

HRS CEN ISO/TS 15216-1:2013 en

Mikrobiologija hrane i hrane za životinje – Horizontalna metoda za određivanje virusa hepatitisa A i norovirusa u hrani upotrebom RT-PCR u stvarnom vremenu – 1. dio: Metoda za kvantitativno određivanje (ISO/TS 15216-1:2013; Ispravljena verzija 2013-05-01; CEN ISO/TS 15216-1:2013)

Microbiology of food and animal feed – Horizontal method for determination of hepatitis A virus and norovirus in food using real-time RT-PCR – Part 1: Method for quantification (ISO/TS 15216-1:2013; Corrected Version 2013-05-01; CEN ISO/TS 15216-1:2013)

- zamijenjena s: HRN EN ISO 15216-1:2017

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

HRN IEC 60364-5-53:1999 en

Električne instalacije zgrada – 5. dio: Odabir i ugradba električne opreme – 53. poglavlje: Sklopni i upravljački uređaji (IEC 60364-5-53:1994+Corr.1:1996)

Electrical installations of buildings – Part 5: Selection and erection of electrical equipment – Chapter 53: Switchgear and controlgear (IEC 60364-5-53:1994+Corr.1:1996)

- zamijenjena s: HRN HD 60364-5-53:2015

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

HRN EN 2311:2012 en

Nizovi o zrakoplovstvu – Čahure sa samopodmazujućom površinom – Tehničke specifikacije (EN 2311:2012)

Aerospace series – Bushes with self-lubricating liner – Technical specification (EN 2311:2012)

- zamijenjena s: HRN EN 2311:2017

HRN EN 3375-011:2015 en

Zrakoplovstvo – Električni kabeli za prijenos digitalnih podataka – Dio 011: Jednostruko pleteni – Četverožilni 100 oma – Male težine – Tip KL – Norma za proizvod (EN 3375-011:2015)

Aerospace series – Cable, electrical, for digital data transmission – Part 011: Single braid – Star Quad 100 ohms – Light weight – Type KL – Product standard (EN 3375-011:2015)

- zamijenjena s: HRN EN 3375-011:2017

HRN EN 3745-516:2012 en

Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 516. dio: Ispitivanje kabela velikim savijanjem (EN 3745-516:2012)

Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 516: Severe cable bend test (EN 3745-516:2012)

- zamijenjena s: HRN EN 3745-516:2017

HRN EN 3745-517:2012 en

Nizovi o zrakoplovstvu – Vlakna i kabeli, optički, za zrakoplove – Metode ispitivanja – 517. dio: Ispitivanje stezanja pričvršćivača kabela (EN 3745-517:2012)

Aerospace series – Fibres and cables, optical, aircraft use – Test methods – Part 517: Cable tie clamping test (EN 3745-517:2012)

- zamijenjena s: HRN EN 3745-517:2017

HRN EN 4674-001:2015 en

Zrakoplovstvo – Električni kabeli, ugradnja – Samootatajuća, oklopljena (EMI) zaštitna navlaka – Dio 001: Tehnička specifikacija (EN 4674-001:2015)

Aerospace series – Electrical cables, installation – Self-wrapping shielding (EMI) protective sleeve – Part 001: Technical specification (EN 4674-001:2015)

- zamijenjena s: HRN EN 4674-001:2017

HRN EN 12312-6:2010 en

Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 6. dio: Skidanje leda i skidači leda / protuledna oprema (EN 12312-6:2004+A1:2009)

Aircraft ground support equipment – Specific requirements – Part 6: Deicers and deicing/antiicing equipment (EN 12312-6:2004+A1:2009)

- zamijenjena s: HRN EN 12312-6:2017

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 8, Brodogradnja

• umjesto

HRN EN ISO 6185-4:2012

Brodice na napuhavanje – 4. dio: Brodice duljine trupa između 8 m i 24 m sa snagom motora od 15 kW i više (ISO 6185-4:2011; EN ISO 6185-4:2011)

Inflatable boats – Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater (ISO 6185-4:2011; EN ISO 6185-4:2011)

• treba biti

HRN EN ISO 6185-4:2012

Brodice na napuhavanje – 4. dio: Brodice duljine trupa između 8 m i 24 m sa snagom motora od 15 kW i više (ISO 6185-4:2011, **Ispravljena verzija 2014-08-01**; EN ISO 6185-4:2011)

Inflatable boats – Part 4: Boats with a hull length of between 8 m and 24 m with a motor power rating of 15 kW and greater (ISO 6185-4:2011, **Corrected version 2014-08-01**; EN ISO 6185-4:2011)

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

• umjesto

HRN EN ISO 8586:2014

Senzorske analize – Opće upute za odabir, izobrazbu i praćenje odabranih ispitivača i stručnih senzorski ispitivača (ISO 8586:2012; EN ISO 8586:2014)

Sensory analysis – General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO 8586:2012; EN ISO 8586:2014)

• treba biti

HRN EN ISO 8586:2014

Senzorske analize – Opće upute za odabir, izobrazbu i praćenje odabranih ispitivača i stručnih senzorski ispitivača (ISO 8586:2012, **Ispravljena verzija 2014-06-15**; EN ISO 8586:2014)

Sensory analysis – General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors (ISO 8586:2012, **Corrected version 2014-06-15**; EN ISO 8586:2014)

- **umjesto**

HRN EN ISO 15141-1:2009

Namirnice – Određivanje okratoksina A u žitaricama i proizvodima od žitarica – 2. dio: Metoda tekućinske kromatografije visokog učinka s pročišćavanjem s **bikarbonatom** (ISO 15141-1:1998; EN ISO 15141-1:1998)
Foodstuffs – Determination of ochratoxin A in cereals and cereal products – Part 1: High performance liquid chromatographic method with silica gel clean up (ISO 15141-1:1998; EN ISO 15141-1:1998)

- **treba biti**

HRN EN ISO 15141-1:2009

Namirnice – Određivanje okratoksina A u žitaricama i proizvodima od žitarica – 1. dio: Metoda tekućinske kromatografije visokog učinka s pročišćavanjem **sa silika gelom** (ISO 15141-1:1998; EN ISO 15141-1:1998)
Foodstuffs – Determination of ochratoxin A in cereals and cereal products – Part 1: High performance liquid chromatographic method with silica gel clean up (ISO 15141-1:1998; EN ISO 15141-1:1998)

HZN/TO 35, *Boje i lakovi*

- **umjesto**

HRN EN ISO 4628-10:2016

Boje i lakovi – Procjena propadanja prevlaka – Označivanje količine i veličine grešaka i intenzivnosti jednoličnih promjena izgleda – 10. dio: Ocjena stupnja nitaste korozije (ISO 4628-10:2016; EN ISO 4628-10:2016)
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 10: Assessment of degree of filiform corrosion (ISO 4628-10:2016; EN ISO 4628-10:2016)

- **treba biti**

HRN EN ISO 4628-10:2016

Boje i lakovi – Procjena propadanja prevlaka – Označivanje količine i veličine grešaka i intenzivnosti jednoličnih promjena izgleda – 10. dio: Ocjena stupnja nitaste korozije (ISO 4628-10:2016, **Ispravljena verzija 2016-06-01**; EN ISO 4628-10:2016)
Paints and varnishes – Evaluation of degradation of coatings – Designation of quantity and size of defects, and of intensity of uniform changes in appearance – Part 10: Assessment of degree of filiform corrosion (ISO 4628-10:2016, **Corrected version 2016-06-01**; EN ISO 4628-10:2016)

HZN/TO 147/PO 2, *Kvaliteta vode; Fizikalno-kemijske metode ispitivanja*

- **umjesto**

HRN EN ISO 9377-2:2002

Kakvoća vode – Određivanje indeksa ugljikovodika u uljima – 2. dio: Metoda ekstrakcije otapalom i plinske kromatografije (ISO 9377-2:2000; EN ISO 9377-2:2000)
Water quality – Determination of hydrocarbon oil index – Part 2: Method using solvent extraction and gas chromatography (ISO 9377-2:2000; EN ISO 9377-2:2000)

- **treba biti**

HRN EN ISO 9377-2:2002

Kvaliteta vode – Određivanje indeksa **naftnih** ugljikovodika – 2. dio: Metoda ekstrakcije otapalom i plinske kromatografije (ISO 9377-2:2000; EN ISO 9377-2:2000)
Water quality – Determination of hydrocarbon oil index – Part 2: Method using solvent extraction and gas chromatography (ISO 9377-2:2000; EN ISO 9377-2:2000)

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

- **umjesto**

HRN EN ISO 25745-2:2015

Energetske značajke dizala, pokretnih stuba i pokretnih traka – 2. dio: Proračun energije i razredba dizala (ISO 25745-2:2015; EN ISO 25745-2:2015)
Energy performance of lifts, escalators and moving walks – Part 2: Energy calculation and classification for lifts (elevators) (ISO 25745-2:2015; EN ISO 25745-2:2015)

- **treba biti**

HRN EN ISO 25745-2:2015

Energetske značajke dizala, pokretnih stuba i pokretnih traka – 2. dio: Proračun energije i razredba dizala (ISO 25745-2:2015, **Ispravljena verzija 2015-12-15**; EN ISO 25745-2:2015)
Energy performance of lifts, escalators and moving walks – Part 2: Energy calculation and classification for lifts (elevators) (ISO 25745-2:2015, **Corrected version 2015-12-15**; EN ISO 25745-2:2015)

HZN/TO 228, *Usluge u turizmu*

- **umjesto**

HRN EN 14804:2008

Pružatelji usluga **tečajeva stranih jezika** – Zahtjevi (EN 14804:2005)
Language study tour providers – Requirements (EN 14804:2005)

- **treba biti**

HRN EN 14804:2008

Pružatelji usluga **jezičnih putovanja** – Zahtjevi (EN 14804:2005)
Language study tour providers – Requirements (EN 14804:2005)

- **umjesto**

HRI ISO/TR 21102:2016

Pustolovni turizam – Voditelji – **Osobne kompetencije** (ISO/TR 21102:2013)
Adventure tourism – Leaders – Personnel competence (ISO/TR 21102:2013)

- **treba biti**

HRI ISO/TR 21102:2016

Pustolovni turizam – Voditelji – **Kompetencije osoblja** (ISO/TR 21102:2013)
Adventure tourism – Leaders – Personnel competence (ISO/TR 21102:2013)

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

- **umjesto**

HRN ISO 4304:2001

Opći zahtjevi za stabilnošću granika – osim za samovozne i ploveće granike (ISO 4304:1987)
Cranes other than mobile and floating cranes – General requirements for stability (ISO 4304:1987)

- **treba biti**

HRN ISO 4304:2001

Granici izuzev mobilnih i plovećih granika – Opći zahtjevi za stabilnošću (ISO 4304:1987)
Cranes other than mobile and floating cranes – General requirements for stability (ISO 4304:1987)

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

- **umjesto**

HRN EN ISO 16649-3:2015

Mikrobiologija lanca hrane – Horizontalna metoda za brojenje beta-glukuronidaza-pozitivne Escherichia coli – 3. dio: Tehnika za dokazivanje prisutnosti i određivanje najvjerojatnijeg broja bakterija pomoću 5-brom-4-klor-3-indolil-beta-D-glukuronida (ISO 16649-3:2015; EN ISO 16649-3:2015)
Microbiology of the food chain – Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli – Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide (ISO 16649-3:2015; EN ISO 16649-3:2015)

- **treba biti**

HRN EN ISO 16649-3:2015

Mikrobiologija u lancu hrane – Horizontalna metoda za brojenje beta-glukuronidaza-pozitivne Escherichia coli – 3. dio: Tehnika za dokazivanje prisutnosti i određivanje najvjerojatnijeg broja bakterija pomoću 5-brom-4-klor-3-indolil-beta-D-glukuronida (ISO 16649-3:2015, **Ispravljena verzija 2016-12-15**; EN ISO 16649-3:2015)
Microbiology of the food chain – Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli – Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide (ISO 16649-3:2015, **Corrected version 2016-12-15**; EN ISO 16649-3:2015)

• **umjesto**
HRN EN ISO 7218:2008/A1:2013
Mikrobiologija hrane i hrane za životinje – Opći zahtjevi i upute za mikrobiološka ispitivanja – **Amandman 1** (ISO 7218:2007/Amd 1:2013; EN ISO 7218:2007/A1:2013)
Microbiology of food and animal feeding stuffs – General requirements and guidance for microbiological examinations – **Amendment 1** (ISO 7218:2007/Amd 1:2013; EN ISO 7218:2007/A1:2013)

• **treba biti**
HRN EN ISO 7218:2008/A1:2013
Mikrobiologija hrane i hrane za životinje – Opći zahtjevi i upute za mikrobiološka ispitivanja (ISO 7218:2007/Amd 1:2013, **Ispravljena verzija 2014-04-15**; EN ISO 7218:2007/A1:2013)
Microbiology of food and animal feeding stuffs – General requirements and guidance for microbiological examinations (ISO 7218:2007/Amd 1:2013, **Corrected version 2014-04-15**; EN ISO 7218:2007/A1:2013)

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

• **umjesto**
HRN HD 60364-4-443:2016
Niskonaponske električne instalacije – Dio 4-44: Sigurnosna zaštita – Zaštita od naponskih i elektromagnetskih smetnji – 443. odjeljak: **Prenaponska zaštita od atmosferskih ili sklopnih prenapona** (IEC 60364-4-44:2007/am1:2015, MOD; HD 60364-4-443:2016)
Low-voltage electrical installations – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances – Clause 443: Protection against transient overvoltages of atmospheric origin or due to switching (IEC 60364-4-44:2007/am1:2015, MOD; HD 60364-4-443:2016)

• **treba biti**
HRN HD 60364-4-443:2016
Niskonaponske električne instalacije – Dio 4-44: Sigurnosna zaštita – Zaštita od naponskih i elektromagnetskih smetnji – 443. odjeljak: **Zaštita od prolaznih atmosferskih ili sklopnih prenapona** (IEC 60364-4-44:2007/am1:2015, MOD; HD 60364-4-443:2016)
Low-voltage electrical installations – Part 4-44: Protection for safety – Protection against voltage disturbances and electromagnetic disturbances – Clause 443: Protection against transient overvoltages of atmospheric origin or due to switching (IEC 60364-4-44:2007/am1:2015, MOD; HD 60364-4-443:2016)

• **umjesto**
HRN HD 60364-5-534:2016
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Odvajanje, sklapanje i upravljanje – Točka 534: Naprave za zaštitu od prenapona (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Isolation; switching and control – Clause 534: Devices for protection against transient overvoltages (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)

• **treba biti**
HRN HD 60364-5-534:2016
Niskonaponske električne instalacije – Dio 5-53: Odabir i ugradnja električne opreme – Odvajanje, sklapanje i upravljanje – Točka 534: Naprave za zaštitu od **prolaznih prenapona** (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)
Low-voltage electrical installations – Part 5-53: Selection and erection of electrical equipment – Isolation; switching and control – Clause 534: Devices for protection against transient overvoltages (IEC 60364-5-53:2001/am2:2015, MOD; HD 60364-5-534:2016)

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

• **umjesto**
HRN EN ISO 4210-5:2014
Bicikli – Sigurnosni zahtjevi za bicikle – 5. dio: Metode ispitivanja za upravljanje (ISO 4210-5:2014; EN ISO 4210-5:2014)
Cycles – Safety requirements for bicycles – Part 5: Steering test methods (ISO 4210-5:2014; EN ISO 4210-5:2014)

• **treba biti**
HRN EN ISO 4210-5:2014
Bicikli – Sigurnosni zahtjevi za bicikle – 5. dio: Metode ispitivanja za upravljanje (ISO 4210-5:2014, **Ispravljena verzija 2015-02-01**; EN ISO 4210-5:2014)
Cycles – Safety requirements for bicycles – Part 5: Steering test methods (ISO 4210-5:2014, **Corrected version 2015-02-01**; EN ISO 4210-5:2014)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

HZN/TO T4, *Normizacija u telekomunikacijama*

HRN EN 300 220-1 V2.1.1:2009
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Uređaji kratkoga dometa (SRD) – Radijska oprema u uporabi u frekvencijskom području 25 MHz do 1 000 MHz s razinama snage do 500 mW – 1. dio: Tehničke značajke i metode mjerenja (EN 300 220-1 V2.1.1:2006)
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Short Range Devices (SRD) – Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW – Part 1: Technical characteristics and test methods (EN 300 220-1 V2.1.1:2006)

HRN EN 302 510-1 V1.1.1:2009
Elektromagnetska kompatibilnost i radijski spektar (ERM) – Radijska oprema u frekvencijskome području 30 MHz do 37,5 MHz za aktivne medicinske membranske implantate i pribor ultra male snage – 1. dio: Tehničke značajke i metode ispitivanja (EN 302 510-1 V1.1.1:2007)
Electromagnetic compatibility and Radio spectrum Matters (ERM) – Radio equipment in the frequency range 30 MHz to 37,5 MHz for Ultra Low Power Active Medical Membrane Implants and Accessories – Part 1: Technical characteristics and test methods (EN 302 510-1 V1.1.1:2007)

2 Rezultati međunarodne i europske normizacije razvrstani po predmetnom ustroju

01.040.19 Ispitivanje (Rječnici)

Međunarodna normizacija ISO

ISO 5577:2017
Non-destructive testing – Ultrasonic testing – Vocabulary

01.040.29 Elektrotehnika (Rječnici)

Međunarodna normizacija IEC

IECEX 01C:2016
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres – IECEx Terms and Definitions

01.040.65 Poljoprivreda (Rječnici)

Međunarodna normizacija ISO

ISO 7112:2017
Machinery for forestry – Portable brush-cutters and grass-trimmers – Vocabulary

01.040.67 Prehrambena tehnologija (Rječnici)

Europska normizacija CEN

EN ISO 5492:2009/A1:2017
Sensory analysis – Vocabulary – Amendment 1 (ISO 5492:2008/Amd 1:2016)

01.080.20 Grafički simboli za upotrebu na posebnoj opremi

Međunarodna normizacija ISO

ISO 6405-1:2017
Earth-moving machinery – Symbols for operator controls and other displays – Part 1: Common symbols

ISO 6405-2:2017
Earth-moving machinery – Symbols for operator controls and other displays – Part 2: Symbols for specific machines, equipment and accessories

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

Međunarodna normizacija ISO/IEC

ISO/IEC 24779-4:2017
Information technology – Cross-jurisdictional and societal aspects of implementation of biometric technologies - Pictograms, icons and symbols for use with biometric systems – Part 4: Fingerprint applications

01.100.20 Crteži u strojarstvu

Međunarodna normizacija ISO

ISO 1101:2017
Geometrical product specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out

ISO 1660:2017
Geometrical product specifications (GPS) – Geometrical tolerancing – Profile tolerancing

01.100.25 Crteži u elektrotehnici i elektronici

Europska normizacija CENELEC

EN 61240:2017
Piezoelectric devices – Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection – General rules (IEC 61240:2016)

Međunarodna normizacija IEC

IEC 61240:2016
Piezoelectric devices – Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection – General rules

01.120 Normizacija. Opća pravila

Međunarodna normizacija IEC

IECEX 01D:2016
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres – Frequently Asked Questions and the Answers

03.080.20 Usluge za poduzeća

Europska normizacija CEN

EN 16763:2017
Services for fire safety systems and security systems

03.080.99 Ostale usluge

Europska normizacija CEN

EN 16992:2017
Competency for Customs Representatives

03.120.01 Kvaliteta općenito

Međunarodna normizacija IEC

IEC 60300-3-3:2017
Dependability management – Part 3-3: Application guide – Life cycle costing

03.120.10 Upravljanje kvalitetom i osiguravanje kvalitete

Međunarodna normizacija IEC

IEC 62550:2017
Spare parts provisioning

03.120.20 Certificiranje proizvoda i tvrtki. Ocjenjivanje sukladnosti

Međunarodna normizacija IEC

- IECEE 01:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Basic Rules
- IECEE 02:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Rules of Procedure – CB Scheme – Scheme of the IECEE for Mutual Recognition of Test Certificates for Electrotechnical Equipment and Components (CB Scheme)
- IECEE 02-1:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Structure, Constitution & Organization
- IECEE 02-2:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – IECEE Membership
- IECEE 02-3:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Peer Assessment Programme
- IECEE 03:2016
IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Rules of Procedure – CB FCS Scheme – Scheme of the IECEE for Mutual Recognition of Conformity Assessment Certificates for Electrotechnical Equipment and Components (CB FCS Scheme)

03.160 Pravosuđe. Uprava

Europska normizacija CEN

- EN 16992:2017
Competency for Customs Representatives

03.240 Poštanske usluge

Europska normizacija CEN

- EN 14534:2016/AC:2017
Postal services – Quality of service – Measurement of the transit time of end-to-end services for bulk mail

07.100.20 Mikrobiologija vode

Europska normizacija CEN

- CWA 17102:2017
Water analysis – Virus sensor system – Monitoring rotavirus, norovirus and hepatitis A virus in various types of water intended for human use
- EN ISO 9308-1:2014/A1:2017
Water quality – Enumeration of Escherichia coli and coliform bacteria – Part 1: Membrane filtration method for waters with low bacterial background flora (ISO 9308-1:2014/Amd 1:2016)

07.100.30 Mikrobiologija hrane

Međunarodna normizacija ISO

- ISO 18465:2017
Microbiology of the food chain – Quantitative determination of emetic toxin (cereulide) using LC-MS/MS

11.040.01 Medicinska oprema općenito

Međunarodna normizacija IEC

- IEC/TR 80001-2-9:2017
Application of risk management for it-networks incorporating medical devices – Part 2-9: Application guidance – Guidance for use of security assurance cases to demonstrate confidence in IEC TR 80001-2-2 security capabilities

11.040.40 Implantati za kirurgiju, protetiku i ortotiku

Europska normizacija CEN

- EN ISO 7199:2017
Cardiovascular implants and artificial organs – Blood-gas exchangers (oxygenators) (ISO 7199:2016)

ETSI

- EN 302510 V 2.1.1:2017
Short Range Devices (SRD) – Ultra Low Power Active Medical Membrane Implants (ULP-AMI-M) and Peripherals (ULP-AMI-M-P) operating in the frequency range 30 MHz to 37,5 MHz – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Međunarodna normizacija ISO

- ISO 25539-1:2017
Cardiovascular implants – Endovascular devices – Part 1: Endovascular prostheses

11.180.01 Pomagala za osobe s invaliditetom općenito

Europska normizacija CEN

- EN 16585-1:2017
Railway applications – Design for PRM use – Equipment and components onboard rolling stock – Part 1: Toilets
- EN 16585-2:2017
Railway applications – Design for PRM use – Equipment and components on board rolling stock – Part 2: Elements for sitting, standing and moving
- EN 16585-3:2017
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Non-acoustic performance – Part 3: General safety and environmental requirements

13.020.20 Ekogospodarstvo

Međunarodna normizacija ISO

- ISO/TR 37121:2017
Sustainable development in communities – Inventory of existing guidelines and approaches on sustainable development and resilience in cities

13.030.40 Instalacije i oprema za odlaganje i obradu otpada

Europska normizacija CEN

- EN 12574-1:2017
Stationary waste containers – Part 1: Containers with a capacity up to 10000 l with flat or dome lid(s), for trunnion, double trunnion or pocket lifting device – Dimensions and design

EN 12574-2:2017
Stationary waste containers – Part 2: Performance requirements and test methods

EN 12574-3:2017
Stationary waste containers – Part 3: Safety and health requirements

13.040.40 Emisije iz stacionarnih izvora

Europska normizacija CEN

EN 14789:2017
Stationary source emissions – Determination of volume concentration of oxygen – Standard reference method: Paramagnetism

EN 14790:2017
Stationary source emissions – Determination of the water vapour in ducts – Standard reference method

EN 14791:2017
Stationary source emissions – Determination of mass concentration of sulphur oxides – Standard reference method

EN 14792:2017
Stationary source emissions – Determination of mass concentration of nitrogen oxides – Standard reference method: chemiluminescence

EN 14793:2017
Stationary source emissions – Demonstration of equivalence of an alternative method with a reference method

EN 15058:2017
Stationary source emissions – Determination of the mass concentration of carbon monoxide – Standard reference method: non-dispersive infrared spectrometry

GENELEC

EN 50632-3-3:2017
Electric motor-operated tools – Dust measurement procedure – Part 3-3: Particular requirements for transportable planers and thicknessers

13.040.99 Ostale norme koje se odnose na kvalitetu zraka

Europska normizacija CEN

EN 15267-4:2017
Air quality – Certification of automated measuring systems – Part 4: Performance criteria and test procedures for automated measuring systems for periodic measurements of emissions from stationary sources

13.080.05 Ispitivanje tla općenito, uključujući uzorkovanje

Međunarodna normizacija ISO

ISO 18400-100:2017
Soil quality – Sampling – Part 100: Guidance on the selection of sampling standards

ISO 18400-101:2017
Soil quality – Sampling – Part 101: Framework for the preparation and application of a sampling plan

ISO 18400-102:2017
Soil quality – Sampling – Part 102: Selection and application of sampling techniques

ISO 18400-103:2017
Soil quality – Sampling – Part 103: Safety

ISO 18400-105:2017
Soil quality – Sampling – Part 105: Packaging, transport, storage and preservation of samples

ISO 18400-106:2017
Soil quality – Sampling – Part 106: Quality control and quality assurance

ISO 18400-107:2017
Soil quality – Sampling – Part 107: Recording and reporting

ISO 18400-201:2017
Soil quality – Sampling – Part 201: Physical pretreatment in the field

ISO 18400-204:2017
Soil quality – Sampling – Part 204: Guidance on sampling of soil gas

13.140 Utjecaj buke na ljude

Europska normizacija CEN

EN ISO 7029:2017
Acoustics – Statistical distribution of hearing thresholds related to age and gender (ISO 7029:2017)

Međunarodna normizacija ISO

ISO 7029:2017
Acoustics – Statistical distribution of hearing thresholds related to age and gender

13.220.20 Zaštita od požara

Europska normizacija CEN

EN 54-5:2017
Fire detection and fire alarm systems – Part 5: Heat detectors – Point heat detectors

13.230 Zaštita od eksplozija

Europska normizacija CEN

EN 1839:2017
Determination of the explosion limits and the limiting oxygen concentration(LOC) for flammable gases and vapours

13.280 Zaštita od zračenja

Međunarodna normizacija ISO

ISO 16639:2017
Surveillance of the activity concentrations of airborne radioactive substances in the workplace of nuclear facilities

ISO 18310-1:2017
Measurement and prediction of the ambient dose equivalent from patients receiving iodine 131 administration after thyroid ablation – Part 1: During the hospitalization

17.040.10 Granične vrijednosti i prilagodbe

Međunarodna normizacija ISO

ISO 1101:2017
Geometrical product specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out

ISO 1938-2:2017
Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 2: Reference disk gauges

17.040.20 Svojstva površina

Europska normizacija CEN

EN ISO 16610-30:2017
Geometrical product specifications (GPS) – Filtration – Part 30:
Robust profile filters: Basic concepts (ISO 16610-30:2015)

17.040.40 Geometrijska specifikacija proizvoda (GPS)

Europska normizacija CEN

EN ISO 14405-3:2017
Geometrical product specifications (GPS) – Dimensional
tolerancing – Part 3: Angular sizes (ISO 14405-3:2016)

Međunarodna normizacija ISO

ISO 1101:2017
Geometrical product specifications (GPS) – Geometrical
tolerancing – Tolerances of form, orientation, location and
run-out

ISO 9013:2017
Thermal cutting – Classification of thermal cuts – Geometrical
product specification and quality tolerances

17.140.20 Buka koju proizvode strojevi i oprema

Europska normizacija CENELEC

EN 60704-2-13:2017
Household and similar electrical appliances – Test code for
the determination of airborne acoustical noise – Part 2-13:
Particular requirements for range hoods and other cooking
fume extractors (IEC 60704-2-13:2016)

17.140.50 Elektroakustika

Europska normizacija CENELEC

EN 61094-3:2016/AC:2017
Electroacoustics – Measurement microphones – Part 3:
Primary method for free-field calibration of laboratory
standard microphones by the reciprocity technique
(IEC 61094-3:2016/COR1:2016)

17.220.20 Mjerenje električnih i magnetskih veličina

Europska normizacija CENELEC

EN 61869-6:2016
Instrument transformers – Part 6: Additional general
requirements for low-power instrument transformers
(IEC 61869-6:2016)

Međunarodna normizacija IEC

IEC 61010-1 Edition 3.1:2017
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 1: General requirements

IEC 61010-2-030:2017
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 2-030: Particular
requirements for equipment having testing or measuring
circuits

IEC 61010-2-034:2017
Safety requirements for electrical equipment for measurement,
control, and laboratory use – Part 2-034: Particular
requirements for measurement equipment for insulation
resistance and test equipment for electric strength

IEC 61340-4-7:2017
Electrostatics – Part 4-7: Standard test methods for specific
applications – Ionization

IEC 61557-9 Corrigendum 2:2017
Electrical safety in low voltage distribution systems up to
1000 V a.c. and 1500 V d.c. – Equipment for testing, measuring
or monitoring of protective measures – Part 9: Equipment for
insulation fault location in IT systems – Proposed Horizontal
Standard; Corrigendum 2

IEC/TR 61869-100:2017
Instrument transformers – Part 100: Guidance for application
of current transformers in power system protection

17.240 Mjerenja zračenja

Europska normizacija CENELEC

EN 62226-3-1:2007/A1:2017
Exposure to electric or magnetic fields in the low and
intermediate frequency range – Methods for calculating the
current density and internal electric field induced in the human
body – Part 3-1: Exposure to electric fields – Analytical and
2D numerical models (IEC 62226-3-1:2007/A1:2016)

Međunarodna normizacija ISO

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

19.100 Nerazorna ispitivanja

Međunarodna normizacija ISO

ISO 5577:2017
Non-destructive testing – Ultrasonic testing – Vocabulary

ISO 10880:2017
Non-destructive testing – Infrared thermographic testing
– General principles

ISO 15708-4:2017
Non-destructive testing – Radiation methods for computed
tomography – Part 4: Qualification

ISO 18251-1:2017
Non-destructive testing – Infrared thermography – Part 1:
Characteristics of system and equipment

ISO 19675:2017
Non-destructive testing – Ultrasonic testing – Specification for
a calibration block for phased array testing (PAUT)

23.020.30 Tlačne posude, cilindrični plinski spremnici

Europska normizacija CEN

EN 13110+A1:2017
LPG equipment and accessories – Transportable refillable
welded aluminium cylinders for liquefied petroleum gas (LPG)
– Design and construction

23.020.35 Plinske boce

Međunarodna normizacija ISO

ISO 11114-1 AMD 1:2017
Gas cylinders – Compatibility of cylinder and valve materials
with gas contents – Part 1: Metallic materials; Amendment 1

23.040.01 Cjevovodne sastavni dijelovi i cjevovodi općenito

Europska normizacija CEN

EN 1453-1:2017
Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes and the system

EN ISO 15493:2003/A1:2017
Plastics piping systems for industrial applications – Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) – Specifications for components and the system – Metric series – Amendment 1 (ISO 15493:2003/AMD 1:2016 + Cor 1:2004)

Međunarodna normizacija ISO

ISO 15876-1:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 1: General

23.040.05 Cjevovodi i dijelovi za vanjske kanalizacijske sustave

Europska normizacija CEN

EN 1453-1:2017
Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes and the system

23.040.20 Plastične cijevi

Međunarodna normizacija ISO

ISO 15876-2:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes

ISO 15876-5:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system

23.040.45 Plastične spojnice

Međunarodna normizacija ISO

ISO 15876-3:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings

23.040.70 Crijeva i crijevni sklopovi

Europska normizacija CEN

EN ISO 6134:2017
Rubber hoses and hose assemblies for saturated steam – Specification (ISO 6134:2017)

EN ISO 8033:2017
Rubber and plastics hoses – Determination of adhesion between components (ISO 8033:2016)

Međunarodna normizacija ISO

ISO 6134:2017
Rubber hoses and hose assemblies for saturated steam – Specification

23.060.01 Zaporni uređaji općenito

Europska normizacija CEN

EN ISO 6553:2017
Automatic steam traps – Marking (ISO 6553:2016)

23.120 Ventilatori. Klimatizacijski uređaji

Europska normizacija CEN

EN 14986:2017
Design of fans working in potentially explosive atmospheres

25.100.70 Abrazivi

Europska normizacija CEN

EN 13743:2017
Safety requirements for coated abrasive products

25.140.20 Električni alati

Europska normizacija CENELEC

EN 62841-3-4:2016/AC:2017
Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-4: Particular requirements for transportable bench grinders (IEC 62841-3-4:2016/COR1:2016)

25.160.01 Zavarivanje, meko i tvrdo lemljenje općenito

Međunarodna normizacija ISO

ISO/TR 15608:2017
Welding – Guidelines for a metallic materials grouping system

ISO 16338:2017
Welding for aerospace applications – Resistance spot and seam welding

25.160.10 Procesi zavarivanja

Međunarodna normizacija ISO

ISO 9013:2017
Thermal cutting – Classification of thermal cuts – Geometrical product specification and quality tolerances

25.160.50 Tvrdo i meko lemljenje

Međunarodna normizacija IEC

IEC 62739-3:2017
Test method for erosion of wave soldering equipment using molten lead-free solder alloy – Part 3: Selection guidance of erosion test methods

25.220.10 Priprema površina

Međunarodna normizacija ISO

ISO 8502-2:2017
Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 2: Laboratory determination of chloride on cleaned surfaces

ISO 8502-3:2017

Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 3: Assessment of dust on steel surfaces prepared for painting (pressure-sensitive tape method)

ISO 8502-4:2017

Preparation of steel substrates before application of paints and related products – Tests for the assessment of surface cleanliness – Part 4: Guidance on the estimation of the probability of condensation prior to paint application

25.220.40 Metalne prevlake

Međunarodna normizacija

ISO

ISO 8401:2017

Metallic coatings – Review of methods of measurement of ductility

27.010 Tehnika prijenosa energije i topline općenito

Međunarodna normizacija

IEC

IEC 62325-451-1:2017

Framework for energy market communications – Part 451-1: Acknowledgement business process and contextual model for CIM European market

27.070 Gorivi članci

Europska normizacija

CENELEC

EN 62282-6-200:2017

Fuel cell technologies – Part 6-200: Micro fuel cell power systems – Performance test methods (IEC 62282-6-200:2016)

27.080 Dizalice topline

Europska normizacija

CEN

EN 16147:2017

Heat pumps with electrically driven compressors – Testing, performance rating and requirements for marking of domestic hot water units

27.120.30 Fisijski materijali i tehnologija nuklearnog goriva

Međunarodna normizacija

ISO

ISO 21484:2017

Nuclear Energy – Fuel technology – Determination of the O/M ratio in MOX pellets by the gravimetric method

27.160 Solarna energetika

Europska normizacija

CEN

EN 12976-1:2017

Thermal solar systems and components – Factory made systems – Part 1: General requirements

EN 12976-2:2017

Thermal solar systems and components – Factory made systems – Part 2: Test methods

Međunarodna normizacija

IEC

IEC 62788-1-6:2017

Measurement procedures for materials used in photovoltaic modules – Part 1-6: Encapsulants – Test methods for determining the degree of cure in Ethylene-Vinyl Acetate

27.190 Biološki izvori i alternativni izvori energije

Međunarodna normizacija

ISO

ISO 18134-2:2017

Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method

29.020 Elektrotehnika općenito

Međunarodna normizacija

IEC

IECEE 01:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Basic Rules

IECEE 02:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Rules of Procedure – CB Scheme – Scheme of the IECEE for Mutual Recognition of Test Certificates for Electrotechnical Equipment and Components (CB Scheme)

IECEE 02-1:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Structure, Constitution & Organization

IECEE 02-2:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – IECEE Membership

IECEE 02-3:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Peer Assessment Programme

IECEE 03:2016

IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System) – Rules of Procedure – CB FCS Scheme – Scheme of the IECEE for Mutual Recognition of Conformity Assessment Certificates for Electrotechnical Equipment and Components (CB FCS Scheme)

IEC 60300-3-3:2017

Dependability management – Part 3-3: Application guide – Life cycle costing

IEC 62550:2017

Spare parts provisioning

29.060.10 Žice

Međunarodna normizacija

IEC

IEC 60317-67:2017

Specifications for particular types of winding wires – Part 67: Polyvinyl acetal enamelled rectangular aluminium wire, class 105

IEC 60317-68:2017

Specifications for particular types of winding wires – Part 68: Polyvinyl acetal enamelled rectangular aluminium wire, class 120

IEC 60317-69:2017

Specifications for particular types of winding wires – Part 69: Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular aluminium wire, class 220

29.080.30 Izolacijski sustavi

Međunarodna normizacija IEC

IEC 61857-31:2017
Electrical insulation systems – Procedures for thermal evaluation – Part 31: Applications with a designed life of 5000 h or less

29.120.30 Utikači, utičnice, sprežnici

Međunarodna normizacija IEC

IEC 60309-5:2017
Plugs, socket-outlets and couplers for industrial purposes – Part 5: Dimensional compatibility and interchangeability requirements for plugs, socket-outlets, ship connectors and ship inlets for low-voltage shore connection systems (LVSC)

IEC 62873-1:2017
Residual current operated circuit-breakers for household and similar use – Part 1: Outline of blocks and modules for residual current device standards

29.130.10 Visokonaponski rasklopni i upravljački uređaji

Europska normizacija CENELEC

EN 62271-212:2017
High-voltage switchgear and controlgear – Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) (IEC 62271-212:2016)

29.140.10 Kape i držači svjetiljki

Međunarodna normizacija IEC

IEC 60238 AMD 1:2017
Edison screw lampholders

IEC 60238 Edition 9.1:2017
Edison screw lampholders

IEC 60838-1 AMD 1:2017
Miscellaneous lampholders – Part 1: General requirements and tests

IEC 60838-1 Edition 5.1:2017
Miscellaneous lampholders – Part 1: General requirements and tests

29.140.30 Fluorescentne svjetiljke. Svjetiljke s izbojem

Međunarodna normizacija IEC

IEC 60969 Corrigendum 1:2017
Self-ballasted compact fluorescent lamps for general lighting services – Performance requirements; Corrigendum 1

29.140.40 Rasvjetna tijela

Europska normizacija CENELEC

EN 60598-2-20:2015/AC:2017
Luminaires – Part 2-20: Particular requirements – Lighting chains (IEC 60598-2-20:2014/COR1:2016)

EN 60598-2-21:2015/AC:2017
Luminaires – Part 2-21: Particular requirements – Rope lights (IEC 60598-2-21:2014/COR1:2016)

29.140.99 Ostale norme koje se odnose na svjetiljke

Međunarodna normizacija IEC

IEC 62931:2017
GX16t-5 capped tubular led lamp – Safety specifications

29.200 Ispravljači. Pretvarači. Stabilizirano napajanje

Međunarodna normizacija IEC

IEC 62924:2017
Railway applications – Fixed installations – Stationary energy storage system for DC traction systems

29.220.99 Ostali članci i baterije

Međunarodna normizacija IEC

IEC 60623:2017
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Vented nickel-cadmium prismatic rechargeable single cells

29.240.20 Vodovi za prijenos i razdiobu električne energije

Europska normizacija CENELEC

EN 50341-2-13:2017
Overhead electrical lines exceeding AC 1 kV – Part 2-13: National Normative Aspects (NNA) for ITALY (based on EN 50341-1:2012)

29.260.20 Električni uređaji za eksplozivnu atmosferu

Europska normizacija CENELEC

EN 60079-29-1:2016
Explosive atmospheres – Part 29-1: Gas detectors – Performance requirements of detectors for flammable gases (IEC 60079-29-1:2016, modified)

Međunarodna normizacija IEC

IECEx 01C:2016
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres – IECEx Terms and Definitions

IECEx 01D:2016
IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres – Frequently Asked Questions and the Answers

29.280 Oprema za električnu vuču

Europska normizacija CENELEC

EN 50121-1:2017
Railway applications – Electromagnetic compatibility – Part 1: General

EN 50121-2:2017
Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world

EN 50122-1:2011/A4:2017
Railway applications – Fixed installations – Electrical safety, earthing and the return circuit – Part 1: Protective provisions against electric shock

Međunarodna normizacija IEC

IEC 62924:2017
Railway applications – Fixed installations – Stationary energy storage system for DC traction systems

31.020 Elektronički sastavni dijelovi općenito

Europska normizacija CENELEC

EN 62368-1:2014/A11:2017
Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2014, modified)

31.060.01 Kondenzatori općenito

Međunarodna normizacija IEC

IEC 62211:2017
Inductive components – Reliability management

31.060.40 Tantalovi elektrolitski kondenzatori

Europska normizacija CENELEC

EN 60384-24:2015/AC:2017
Fixed capacitors for use in electronic equipment – Part 24: Sectional specification – Fixed tantalum electrolytic surface mount capacitors with conductive polymer solid electrolyte (IEC 60384-24:2015/COR1:2016)

31.080.01 Poluvodičke naprave općenito

Međunarodna normizacija IEC

IEC 62047-27:2017
Semiconductor devices – Micro-electromechanical devices Part 27: Bond strength test for glass frit bonded structures using micro-chevron- tests (MCT)

IEC 62047-28:2017
Semiconductor devices – Micro-electromechanical devices – Part 28: Performance testing method of vibration-driven MEMS electret energy harvesting devices

31.080.10 Diode

Međunarodna normizacija IEC

IEC 60747-4 AMD 1:2017
Semiconductor devices – Discrete devices – Part 4: Microwave diodes and transistors

IEC 60747-4 Edition 2.1:2017
Semiconductor devices – Discrete devices – Part 4: Microwave diodes and transistors

31.080.20 Tiristori

Međunarodna normizacija IEC

IEC 60700-1 Corrigendum 1:2017
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing; Corrigendum 1

31.080.30 Tranzistori

Međunarodna normizacija IEC

IEC 60747-4 AMD 1:2017
Semiconductor devices – Discrete devices – Part 4: Microwave diodes and transistors

IEC 60747-4 Edition 2.1:2017
Semiconductor devices – Discrete devices – Part 4: Microwave diodes and transistors

31.080.99 Ostale poluvodičke naprave

Međunarodna normizacija IEC

IEC 62830-2:2017
Semiconductor devices – Semiconductor devices for energy harvesting and generation – Part 2: Thermo power based thermoelectric energy harvesting

31.120 Elektronički uređaji za prikazivanje

Međunarodna normizacija IEC

IEC 62341-6-1:2017
Organic light emitting diode (OLED) displays – Part 6-1: Measuring methods of optical and electro-optical parameters

31.140 Piezoelektrične naprave

Europska normizacija CENELEC

EN 61240:2017
Piezoelectric devices – Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection – General rules (IEC 61240:2016)

Međunarodna normizacija IEC

IEC 61240:2016
Piezoelectric devices – Preparation of outline drawings of surface-mounted devices (SMD) for frequency control and selection – General rules

31.200 Integrirani krugovi. Mikroelektronika

Međunarodna normizacija IEC

IEC 62433-2:2017
EMC IC modelling – Part 2: Models of integrated circuits for EMI behavioural simulation – Conducted emissions modelling (ICEM-CE)

IEC 62433-3:2017
EMC IC modelling – Part 3: Models of integrated circuits for EMI behavioural simulation – Radiated emissions modelling (ICEM-RE)

IEC 62435-1:2017
Electronic components – Long-term storage of electronic semiconductor devices – Part 1: General

IEC 62435-2:2017
Electronic components – Long-term storage of electronic semiconductor devices – Part 2: Deterioration mechanisms

IEC 62435-5:2017
Electronic components – Long-term storage of electronic semiconductor devices – Part 5: Die and wafer devices

31.220.01 Elektromehanički sastavni dijelovi općenito

Međunarodna normizacija IEC

IEC 62047-27:2017
Semiconductor devices – Micro-electromechanical devices
Part 27: Bond strength test for glass frit bonded structures
using micro-chevron- tests (MCT)

31.220.10 Utikačke i utičničke naprave. Konektori

Europska normizacija CENELEC

EN 60603-7-82:2016
Connectors for electronic equipment – Part 7-82: Detail
specification for 8-way, 12 contacts, shielded, free and fixed
connectors, for data transmission with frequencies up to
2000 MHz (IEC 60603-7-82:2016)

EN 61076-3-120:2016
Connectors for electronic equipment – Product requirements
– Part 3-120: Rectangular connectors – Detail specification
for rewirable power connectors with snap locking for
rated voltage of 250 V d.c. and rated current of 30 A
(IEC 61076-3-120:2016)

Međunarodna normizacija IEC

IEC 62946-02:2017
Connectors for electronic equipment – Part 02: Detail
specification for 8-way, unshielded, free and fixed high density
connectors for data transmission with frequencies up to
250 MHz and with current carrying capacity up to 1 A

31.260 Optoelektronika. Laserska oprema

Međunarodna normizacija IEC

IEC 62341-6-1:2017
Organic light emitting diode (OLED) displays – Part 6-1:
Measuring methods of optical and electro-optical parameters

33.040.01 Telekomunikacijski sustavi općenito

Europska normizacija ETSI

ETSI TR 103273 V 1.1.1:2016
Emergency Communications (EMTEL) – Recommendations
for public warning making use of pre-defined libraries

ETSI TR 103476 V 1.1.1:2017
Environmental Engineering (EE) – Circular Economy (CE) in
Information and Communication Technology (ICT) – Definition
of approaches, concepts and metrics

ETSI TS 119122-3 V 1.1.1:2017
Electronic Signatures and Infrastructures (ESI) – CAeS
digital signatures – Part 3: Incorporation of Evidence Record
Syntax (ERS) mechanisms in CAeS

ETSI EG 202396-3 V 1.6.1:2017
Speech and multimedia Transmission Quality (STQ)
– Speech Quality performance in the presence of background
noise – Part 3: Background noise transmission – Objective
test methods

ETSI ES 202706-1 V 1.5.1:2017
Environmental Engineering (EE) – Metrics and measurement
method for energy efficiency of wireless access network
equipment – Part 1: Power Consumption – Static Measurement
Method

ETSI ES 202737 V 1.5.1:2017
Speech and multimedia Transmission Quality (STQ)
– Transmission requirements for narrowband VoIP terminals
(handset and headset) from a QoS perspective as perceived
by the user

ETSI ES 202738 V 1.5.1:2017
Speech and multimedia Transmission Quality (STQ)
– Transmission requirements for narrowband VoIP
loudspeaking and handsfree terminals from a QoS perspective
as perceived by the user

ETSI ES 202739 V 1.5.1:2017
Speech and multimedia Transmission Quality (STQ)
– Transmission requirements for wideband VoIP terminals
(handset and headset) from a QoS perspective as perceived
by the user

ETSI ES 202740 V 1.5.1:2017
Speech and multimedia Transmission Quality (STQ)
– Transmission requirements for wideband VoIP loudspeaking
and handsfree terminals from a QoS perspective as perceived
by the user

33.040.40 Mreže za prijenos podataka

Europska normizacija ETSI

ETSI TR 103395 V 1.1.1:2016
Smart Body Area Network (SmartBan) – Measurements and
modelling of SmartBAN Radio Frequency (RF) environment

33.040.60 Telekomunikacije putem elektroenergetskih vodova

Europska normizacija ETSI

ETSI TS 104001 V 2.1.1:2016
Open Smart Grid Protocol (OSGP) – Smart Metering/Smart
Grid Communication Protocol

33.040.99 Ostala oprema za komunikacijske sustave

Europska normizacija ETSI

ETSI TS 103374-1 V 1.2.1:2017
Core Network and Interoperability Testing (INT) – Diameter
Conformance testing for Rf/Ro interface – (3GPPTM
Release 10) – Part 1: Protocol Implementation Conformance
Statement (PICS)

ETSI TS 103374-2 V 1.2.1:2017
Core Network and Interoperability Testing (INT) – Diameter
Conformance testing for Rf/Ro interface – (3GPPTM
Release 10) – Part 2: Test Suite Structure (TSS) and Test
Purposes (TP)

ETSI TS 103374-3 V 1.2.1:2017
Core Network and Interoperability Testing (INT) – Diameter
Conformance testing for Rf/Ro interface – (3GPPTM
Release 10) – Part 3: Abstract Test Suite (ATS) and partial
Protocol Implementation eXtra Information for Testing (PIXIT)
pro forma specification

33.050.01 Telekomunikacijska terminalna oprema općenito

Međunarodna normizacija IEC

IEC 62949:2017
Particular safety requirements for equipment to be connected
to information and communication networks

33.060.20 Prijamna i odašiljačka oprema

Europska normizacija ETSI

EN 300720 V 2.1.1:2017
Ultra-High Frequency (UHF) on-board vessels communications
systems and equipment – Harmonised Standard covering the
essential requirements of article 3.2 of the Directive 2014/53/EU

EN 301091-1 V 2.1.1:2017
Short Range Devices – Transport and Traffic Telematics (TTT)
– Radar equipment operating in the 76 GHz to 77 GHz range
– Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU – Part 1: Ground based
vehicular radar

EN 301091-2 V 2.1.1:2017
Short Range Devices – Transport and Traffic Telematics
(TTT) – Radar equipment operating in the 76 GHz to
77 GHz range – Harmonised Standard covering the essential
requirements of article 3.2 of Directive 2014/53/EU – Part 2:
Fixed infrastructure radar equipment

EN 301908-11 V 11.1.2:2017
IMT cellular networks – Harmonised Standard covering the
essential requirements of article 3.2 of the Directive 2014/53/EU
– Part 11: CDMA Direct Spread (UTRA FDD) Repeaters

EN 301908-15 V 11.1.2:2017
IMT cellular networks – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/
EU – Part 15: Evolved Universal Terrestrial Radio Access
(E-UTRA FDD) Repeaters

EN 302066 V 2.1.1:2017
Short Range Devices (SRD) – Ground- and Wall- Probing
Radar applications (GPR/WPR) imaging systems
– Harmonised Standard covering the essential requirements
of article 3.2 of the Directive 2014/53/EU

EN 302480 V 2.1.2:2017
Mobile Communication On Board Aircraft (MCOBA) systems
– Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU

EN 302510 V 2.1.1:2017
Short Range Devices (SRD) – Ultra Low Power Active
Medical Membrane Implants (ULP-AMI-M) and Peripherals
(ULP-AMI-M-P) operating in the frequency range 30 MHz
to 37,5 MHz – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU

EN 302609 V 2.1.1:2016
Short Range Devices (SRD) – Radio equipment for Euroloop
railway systems – Harmonised Standard covering the essential
requirements of article 3.2 of the Directive 2014/53/EU

ETSI TS 103146-4 V 1.1.1:2017
Reconfigurable Radio Systems (RRS) – Mobile Device
(MD) information models and protocols – Part 4: Radio
Programming Interface (RPI)

33.060.40 Kabelski distribucijski sustavi

Europska normizacija ETSI

ETSI TS 105174-2 V 1.2.1:2017
Access, Terminals, Transmission and Multiplexing (ATTM)
– Broadband Deployment and Energy Management – Part 2:
ICT sites

33.060.99 Ostala oprema za radiokomunikacije

Europska normizacija ETSI

ETSI TS 103379 V 1.1.1:2017
Reconfigurable Radio Systems (RRS) – Information elements
and protocols for the interface between LSA Controller (LC)
and LSA Repository (LR) for operation of Licensed Shared
Access (LSA) in the 2300 MHz – 2400 MHz band

33.070.01 Usluge pokretne mreže općenito

Europska normizacija ETSI

EN 301908-15 V 11.1.2:2017
IMT cellular networks – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU
– Part 15: Evolved Universal Terrestrial Radio Access
(E-UTRA FDD) Repeaters

33.070.10 Terestrijalni trunking radio (TETRA)

Europska normizacija ETSI

EN 300392-7 V 3.4.1:2017
Terrestrial Trunked Radio (TETRA) – Voice plus Data (V+D)
– Part 7: Security

33.070.50 Globalni sustavi za pokretne komunikacije (GSM)

Europska normizacija ETSI

ETSI TS 103418 V 1.1.1:2017
Railway Telecommunications (RT) – SMS to Railway
numbering plan in roaming environment

ETSI TS 121101 V 12.0.2:2017
Universal Mobile Telecommunications System (UMTS) – Technical
Specifications and Technical Reports for a UTRAN-based 3GPP
system (3GPP TS 21.101 version 12.0.2 Release 12)

ETSI TS 121101 V 13.0.0:2017
Universal Mobile Telecommunications System (UMTS) – Technical
Specifications and Technical Reports for a UTRAN-based 3GPP
system (3GPP TS 21.101 version 13.0.0 Release 13)

ETSI TS 121201 V 12.0.1:2017
LTE – Technical Specifications and Technical Reports for
an Evolved Packet System (EPS) based 3GPP system
(3GPP TS 21.201 version 12.0.1 Release 12)

ETSI TS 121202 V 13.0.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Technical Specifications and Technical Reports
relating to the Common IP Multimedia Subsystem (IMS)
(3GPP TS 21.202 version 13.0.0 Release 13)

ETSI TR 121900 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Technical Specification Group working methods
(3GPP TR 21.900 version 13.1.0 Release 13)

ETSI TS 122368 V 13.2.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– Service requirements for Machine-Type Communications
(MTC) – Stage 1 (3GPP TS 22.368 version 13.2.0 Release 13)

ETSI TS 123003 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – Numbering, addressing and identification
(3GPP TS 23.003 version 13.8.0 Release 13)

ETSI TS 123008 V 13.7.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Organization of subscriber data
(3GPP TS 23.008 version 13.7.0 Release 13)

ETSI TS 123153 V 13.2.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Out of band transcoder control – Stage 2
(3GPP TS 23.153 version 13.2.0 Release 13)

ETSI TS 123161 V 13.5.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Network-Based IP Flow Mobility (NBIFOM) – Stage 2
(3GPP TS 23.161 version 13.5.0 Release 13)

ETSI TS 123203 V 13.10.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Policy and charging control architecture
(3GPP TS 23.203 version 13.10.0 Release 13)

ETSI TS 123228 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2
(3GPP TS 23.228 version 13.8.0 Release 13)

- ETSI TS 123292 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia Subsystem (IMS) centralized services
– Stage 2 (3GPP TS 23.292 version 13.4.0 Release 13)
- ETSI TS 123303 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Proximity-based services (ProSe) – Stage 2
(3GPP TS 23.303 version 13.6.0 Release 13)
- ETSI TS 123333 V 13.3.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Multimedia Resource Function
- ETSI TS 123334 V 12.11.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – IP Multimedia Subsystem (IMS)
Application Level Gateway (IMS-ALG) – IMS Access
Gateway (IMS-AGW) interface: Procedures descriptions
(3GPP TS 23.334 version 12.11.0 Release 12)
- ETSI TS 123334 V 13.6.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – IP Multimedia Subsystem (IMS)
Application Level Gateway (IMS-ALG) – IMS Access
Gateway (IMS-AGW) interface: Procedures descriptions
(3GPP TS 23.334 version 13.6.0 Release 13)
- ETSI TS 123380 V 13.5.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications
System (UMTS) – LTE – IMS Restoration Procedures
(3GPP TS 23.380 version 13.5.0 Release 13)
- ETSI TS 123401 V 13.9.0:2017
LTE – General Packet Radio Service (GPRS) enhancements
for Evolved Universal Terrestrial Radio Access Network
(E-UTRAN) access (3GPP TS 23.401 version 13.9.0 Release 13)
- ETSI TS 123682 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Architecture enhancements to facilitate
communications with packet data networks and applications
(3GPP TS 23.682 version 13.8.0 Release 13)
- ETSI TS 124008 V 12.13.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Mobile radio interface Layer 3 specification – Core
network protocols – Stage 3 (3GPP TS 24.008 version 12.13.0
Release 12)
- ETSI TS 124008 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– Mobile radio interface Layer 3 specification – Core network
protocols – Stage 3 (3GPP TS 24.008 version 13.8.0 Release 13)
- ETSI TS 124011 V 13.3.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – Point-to-Point (PP) Short Message
Service (SMS) support on mobile radio interface
(3GPP TS 24.011 version 13.3.0 Release 13)
- ETSI TS 124229 V 8.36.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 8.36.0 Release 8)
- ETSI TS 124229 V 9.28.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 9.28.0 Release 9)
- ETSI TS 124229 V 10.25.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 10.25.0 Release 10)
- ETSI TS 124229 V 11.22.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 11.22.0 Release 11)
- ETSI TS 124229 V 12.15.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 12.15.0 Release 12)
- ETSI TS 124229 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – IP multimedia call control protocol based on Session
Initiation Protocol (SIP) and Session Description Protocol
(SDP) – Stage 3 (3GPP TS 24.229 version 13.8.0 Release 13)
- ETSI TS 124237 V 11.17.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia (IM) Core Network (CN) subsystem
IP Multimedia Subsystem (IMS) service continuity – Stage 3
(3GPP TS 24.237 version 11.17.0 Release 11)
- ETSI TS 124237 V 12.14.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia (IM) Core Network (CN) subsystem
IP Multimedia Subsystem (IMS) service continuity – Stage 3
(3GPP TS 24.237 version 12.14.0 Release 12)
- ETSI TS 124237 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – IP Multimedia (IM) Core Network (CN) subsystem
IP Multimedia Subsystem (IMS) service continuity – Stage 3
(3GPP TS 24.237 version 13.6.0 Release 13)
- ETSI TS 124301 V 12.13.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Non-Access-Stratum (NAS) protocol for Evolved Packet
System (EPS) – Stage 3 (3GPP TS 24.301 version 12.13.0
Release 12)
- ETSI TS 124301 V 13.8.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Non-Access-Stratum (NAS) protocol for Evolved Packet
System (EPS) – Stage 3 (3GPP TS 24.301 version 13.8.0
Release 13)
- ETSI TS 124302 V 13.8.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Access to the 3GPP Evolved Packet Core
(EPC) via non-3GPP access networks – Stage 3
(3GPP TS 24.302 version 13.8.0 Release 13)
- ETSI TS 124334 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Proximity-services (ProSe) User Equipment
(UE) to ProSe function protocol aspects – Stage 3
(3GPP TS 24.334 version 13.6.0 Release 13)
- ETSI TS 124503 V 8.22.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – TISPA – IP Multimedia Call Control Protocol based
on Session Initiation Protocol (SIP) and Session Description
Protocol (SDP) Stage 3 [3GPP TS 24.229 (Release 7),
modified] (3GPP TS 24.503 version 8.22.0 Release 8)
- ETSI TR 125996 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS)
– Spatial channel model for Multiple Input Multiple Output
(MIMO) simulations (3GPP TR 25.996 version 13.1.0 Release 13)
- ETSI TS 126234 V 13.2.1:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Transparent end-to-end Packet-switched
Streaming Service (PSS) – Protocols and codecs
(3GPP TS 26.234 version 13.2.1 Release 13)
- ETSI TR 126922 V 13.0.1:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Video telephony robustness improvements extensions
– Performance evaluation (3GPP TR 26.922 version 13.0.1
Release 13)

- ETSI TR 126924 V 13.0.1:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– 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 13.0.1 Release 13)
- ETSI TS 128622 V 11.3.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Generic Network
Resource Model (NRM) Integration Reference Point (IRP)
– Information Service (IS) (3GPP TS 28.622 version 11.3.0
Release 11)
- ETSI TS 128622 V 12.2.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Generic Network
Resource Model (NRM) Integration Reference Point (IRP)
– Information Service (IS) (3GPP TS 28.622 version 12.2.0
Release 12)
- ETSI TS 128622 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Generic Network
Resource Model (NRM) Integration Reference Point (IRP)
– Information Service (IS) (3GPP TS 28.622 version 13.1.0
Release 13)
- ETSI TS 128732 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Transport
Network (TN) interface Network Resource Model (NRM)
Integration Reference Point (IRP) – Information Service (IS)
(3GPP TS 28.732 version 13.1.0 Release 13)
- ETSI TS 129002 V 13.6.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– Mobile Application Part (MAP) specification
(3GPP TS 29.002 version 13.6.0 Release 13)
- ETSI TS 129060 V 13.6.0:2017
Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – General Packet Radio Service (GPRS) – GPRS
Tunnelling Protocol (GTP) across the Gn and Gp interface
(3GPP TS 29.060 version 13.6.0 Release 13)
- ETSI TS 129061 V 13.6.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Interworking between the Public Land Mobile Network
(PLMN) supporting packet based services and Packet Data
Networks (PDN) (3GPP TS 29.061 version 13.6.0 Release 13)
- ETSI TS 129118 V 13.5.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Mobility Management Entity (MME) – Visitor Location
Register (VLR) S-Gs interface specification (3GPP TS 29.118
version 13.5.0 Release 13)
- ETSI TS 129153 V 13.4.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Service capability exposure functionality over Ns reference
point (3GPP TS 29.153 version 13.4.0 Release 13)
- ETSI TS 129154 V 13.4.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Service capability exposure functionality over Nt reference
point (3GPP TS 29.154 version 13.4.0 Release 13)
- ETSI TS 129163 V 12.13.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Interworking between the IP Multimedia (IM) Core
Network (CN) subsystem and Circuit Switched (CS) networks
(3GPP TS 29.163 version 12.13.0 Release 12)
- ETSI TS 129163 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Interworking between the IP Multimedia (IM) Core
Network (CN) subsystem and Circuit Switched (CS) networks
(3GPP TS 29.163 version 13.8.0 Release 13)
- ETSI TS 129165 V 11.19.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 11.19.0 Release 11)
- ETSI TS 129165 V 12.14.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 12.14.0 Release 12)
- ETSI TS 129165 V 13.7.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Inter-IMS Network to Network Interface (NNI)
(3GPP TS 29.165 version 13.7.0 Release 13)
- ETSI TS 129201 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Representational State Transfer (REST) reference point
between Application Function (AF) and Protocol Converter
(PC) (3GPP TS 29.201 version 13.6.0 Release 13)
- ETSI TS 129212 V 13.8.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Policy and Charging Control (PCC) – Reference points
(3GPP TS 29.212 version 13.8.0 Release 13)
- ETSI TS 129213 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control signalling flows
and Quality of Service (QoS) parameter mapping
(3GPP TS 29.213 version 13.8.0 Release 13)
- ETSI TS 129214 V 13.8.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control over Rx reference point
(3GPP TS 29.214 version 13.8.0 Release 13)
- ETSI TS 129215 V 13.8.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and Charging Control (PCC) over S9 reference
point – Stage 3 (3GPP TS 29.215 version 13.8.0 Release 13)
- ETSI TS 129217 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Policy and Charging Control (PCC) – Congestion reporting
over Np reference point (3GPP TS 29.217 version 13.6.0
Release 13)
- ETSI TS 129219 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Policy and charging control: Spending limit reporting
over Sy reference point (3GPP TS 29.219 version 13.4.0
Release 13)
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Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications System
(UMTS) – LTE – IP Multimedia (IM) Subsystem Cx and
Dx Interfaces – Signalling flows and message contents
(3GPP TS 29.228 version 13.3.1 Release 13)
- ETSI TS 129229 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Cx and Dx interfaces based on the Diameter protocol
– Protocol details (3GPP TS 29.229 version 13.1.0 Release 13)
- ETSI TS 129230 V 13.7.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Diameter applications – 3GPP specific codes and
identifiers (3GPP TS 29.230 version 13.7.0 Release 13)
- ETSI TS 129232 V 13.2.0:2017
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– Universal Mobile Telecommunications System (UMTS)
– LTE – Media Gateway Controller (MGC) – Media Gateway
(MGW) interface – Stage 3 (3GPP TS 29.232 version 13.2.0
Release 13)
- ETSI TS 129272 V 13.8.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Evolved Packet System (EPS) – Mobility
Management Entity (MME) and Serving GPRS Support
Node (SGSN) related interfaces based on Diameter protocol
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- ETSI TS 129273 V 13.6.0:2017
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– Evolved Packet System (EPS) – 3GPP EPS AAA interfaces
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Universal Mobile Telecommunications System (UMTS)
– LTE – 3GPP Evolved Packet System (EPS) – Evolved
General Packet Radio Service (GPRS) Tunneling
Protocol for Control plane (GTPv2-C) – Stage 3
(3GPP TS 29.274 version 13.8.0 Release 13)
- ETSI TS 129303 V 13.5.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Domain Name System Procedures – Stage 3
(3GPP TS 29.303 version 13.5.0 Release 13)
- ETSI TS 129328 V 13.7.0:2017
Digital cellular telecommunications system (Phase 2+)
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Sh interface – Signalling flows and message contents
(3GPP TS 29.328 version 13.7.0 Release 13)
- ETSI TS 129329 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Sh interface based on the Diameter protocol – Protocol
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- ETSI TS 129336 V 13.6.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Home Subscriber Server (HSS) diameter interfaces
for interworking with packet data networks and applications
(3GPP TS 29.336 version 13.6.0 Release 13)
- ETSI TS 129337 V 13.2.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Diameter-based T4 Interface for communications
with packet data networks and applications
(3GPP TS 29.337 version 13.2.0 Release 13)
- ETSI TS 129338 V 13.3.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Diameter based protocols to support Short Message
Service (SMS) capable Mobile Management Entities (MMEs)
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Universal Mobile Telecommunications System (UMTS)
– LTE – Proximity-services (ProSe) function to
Home Subscriber Server (HSS) aspects – Stage 3
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- ETSI TS 129345 V 13.3.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Inter-Proximity-services (ProSe) function signalling aspects
– Stage 3 (3GPP TS 29.345 version 13.3.0 Release 13)
- ETSI TS 129414 V 13.2.0:2017
Universal Mobile Telecommunications System (UMTS)
– Core network Nb data transport and transport signalling
(3GPP TS 29.414 version 13.2.0 Release 13)
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Universal Mobile Telecommunications System (UMTS)
– Core network Nb interface user plane protocols
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Universal Mobile Telecommunications System (UMTS)
– LTE – Group Communication System Enablers for
LTE (GCSE LTE) – MB2 reference point – Stage 3
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Universal Mobile Telecommunications System (UMTS) – LTE
– Characteristics of the Universal Subscriber Identity Module
(USIM) application (3GPP TS 31.102 version 13.6.0 Release 13)
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– Universal Subscriber Identity Module (USIM) Application
Toolkit (USAT) (3GPP TS 31.111 version 11.13.0 Release 11)
- ETSI TS 131111 V 12.11.0:2017
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– Universal Mobile Telecommunications System (UMTS)
– LTE – Universal Subscriber Identity Module (USIM) Application
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Digital cellular telecommunications system (Phase 2+)
(GSM) – Universal Mobile Telecommunications
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– LTE – Mobile Equipment (ME) conformance test
specification – Universal Subscriber Identity Module
Application Toolkit (USAT) conformance test specification
(3GPP TS 31.124 version 13.6.0 Release 13)
- ETSI TS 131130 V 13.2.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – (U)SIM Application Programming Interface (API)
– (U)SIM API for Java Card (3GPP TS 31.130 version 13.2.0
Release 13)
- ETSI TS 131213 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS)
– LTE – Test specification for (U)SIM – Application
Programming Interface (API) for Java Card
(3GPP TS 31.213 version 13.1.0 Release 13)
- ETSI TS 132155 V 13.1.1:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Requirements
template (3GPP TS 32.155 version 13.1.1 Release 13)
- ETSI TS 132260 V 9.20.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Charging
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Charging
management – IP Multimedia Subsystem (IMS) charging
(3GPP TS 32.260 version 10.16.0 Release 10)
- ETSI TS 132260 V 11.18.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Charging
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– LTE – Telecommunication management – Charging
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Charging
management – Multimedia Broadcast and Multicast Service
(MBMS) charging (3GPP TS 32.273 version 13.2.1 Release 13)
- ETSI TS 132298 V 9.23.0:2017
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– Universal Mobile Telecommunications System (UMTS) – LTE
– Telecommunication management – Charging management
– Charging Data Record (CDR) parameter description
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– Charging Data Record (CDR) parameter description
(3GPP TS 32.298 version 10.20.0 Release 10)

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– Charging Data Record (CDR) parameter description
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Digital cellular telecommunications system (Phase 2+) (GSM)
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- ETSI TS 132299 V 9.23.0:2017
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– Charging management – Diameter charging applications
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– Charging management – Diameter charging applications
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS) – LTE
– Telecommunication management – Performance Management
(PM) Integration Reference Point (IRP): Information Service (IS)
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Performance
Management (PM) Integration Reference Point (IRP):
Information Service (IS) (3GPP TS 32.412 version 9.2.0
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– Universal Mobile Telecommunications System (UMTS) – LTE
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(PM) Integration Reference Point (IRP): Information Service (IS)
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– Universal Mobile Telecommunications System (UMTS) – LTE
– Telecommunication management – Performance Management
(PM) Integration Reference Point (IRP): Information Service (IS)
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– Universal Mobile Telecommunications System (UMTS) – LTE
– Telecommunication management – Performance Management
(PM) Integration Reference Point (IRP): Information Service (IS)
(3GPP TS 32.412 version 13.1.0 Release 13)
- ETSI TS 132441 V 13.0.1:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Trace Management
Integration Reference Point (IRP) – Requirements
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- ETSI TS 132442 V 13.0.1:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Trace Management
Integration Reference Point (IRP) – Information Service (IS)
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- ETSI TS 132446 V 13.0.1:2017
Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Telecommunication management – Trace
Management Integration Reference Point (IRP) – Solution Set
(SS) definitions (3GPP TS 32.446 version 13.0.1 Release 13)
- ETSI TS 132571 V 13.0.1:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– Telecommunication management – Home Node B (HNB)
and Home eNode B (HeNB) management – Type 2 interface
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Release 13)
- ETSI TS 132591 V 13.0.1:2017
LTE – Telecommunication management – Home enhanced
Node B (HeNB) Operations, Administration, Maintenance and
Provisioning (OAM&P) – Concepts and requirements for Type
1 interface HeNB to HeNB Management System (HeMS)
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- ETSI TS 133107 V 13.5.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– 3G security – Lawful interception architecture and functions
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- ETSI TS 133108 V 12.13.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE
– 3G security – Handover interface for Lawful Interception (LI)
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– 3G security – Handover interface for Lawful Interception (LI)
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LTE – Security of Mission Critical Push To Talk (MCPTT) over
LTE (3GPP TS 33.179 version 13.3.0 Release 13)
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Digital cellular telecommunications system (Phase 2+) (GSM)
– Universal Mobile Telecommunications System (UMTS)
– LTE – Security aspects of Machine-Type Communications
(MTC) and other mobile data applications communications
enhancements (3GPP TS 33.187 version 13.0.1 Release 13)
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Universal Mobile Telecommunications System (UMTS)
– LTE – 3G security – Wireless Local Area Network (WLAN)
interworking security (3GPP TS 33.234 version 13.1.0 Release 13)
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Universal Mobile Telecommunications System (UMTS) – LTE
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(AF) (3GPP TS 33.310 version 13.2.0 Release 13)
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– Universal Mobile Telecommunications System (UMTS)
– LTE – 3GPP System Architecture Evolution (SAE) – Security
architecture (3GPP TS 33.401 version 13.5.0 Release 13)

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Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.123-1 version 12.5.0 Release 12)
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Universal Mobile Telecommunications System (UMTS) – User Equipment (UE) conformance specification – Part 2: Implementation conformance statement (ICS) proforma specification (3GPP TS 34.123-2 version 12.6.0 Release 12)
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Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 34.229-1 version 13.1.0 Release 13)
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Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) specification (3GPP TS 34.229-2 version 13.1.0 Release 13)
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Universal Mobile Telecommunications System (UMTS) – LTE – Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – User Equipment (UE) conformance specification – Part 3: Abstract test suite (ATS) (3GPP TS 34.229-3 version 13.1.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) radio transmission and reception (3GPP TS 36.104 version 8.14.0 Release 8)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 13.3.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Requirements for support of radio resource management (3GPP TS 36.133 version 10.22.0 Release 10)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Base Station (BS) conformance testing (3GPP TS 36.141 version 13.6.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Multiplexing and channel coding (3GPP TS 36.212 version 13.4.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Physical layer – Measurements (3GPP TS 36.214 version 13.4.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 12.12.0 Release 12)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 13.4.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – S1 Application Protocol (S1AP) (3GPP TS 36.413 version 13.5.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – X2 Application Protocol (X2AP) (3GPP TS 36.423 version 13.6.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – Special conformance testing functions for User Equipment (UE) (3GPP TS 36.509 version 13.2.0 Release 13)
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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 13.3.0 Release 13)

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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 1: Protocol conformance specification (3GPP TS 36.523-1 version 13.2.0 Release 13)
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LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification – Part 2: Implementation Conformance Statement (ICS) proforma specification (3GPP TS 36.523-2 version 13.3.0 Release 13)
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Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – E-UTRA, UTRA and GSM/EDGE – Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception (3GPP TS 37.104 version 12.12.0 Release 12)
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Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 13.1.0 Release 13)
- ETSI TS 137571-3 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 13.1.0 Release 13)
- ETSI TS 137571-4 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 13.1.0 Release 13)
- ETSI TS 137571-5 V 13.1.0:2017
Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved UTRA (E-UTRA) and Evolved Packet Core (EPC) – User Equipment (UE) conformance specification for UE positioning – Part 5: Test scenarios and assistance data (3GPP TS 37.571-5 version 13.1.0 Release 13)
- ETSI TS 141101 V 12.0.2:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 12.0.2 Release 12)
- ETSI TS 141101 V 13.0.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Technical Specifications and Technical Reports for a GERAN-based 3GPP system (3GPP TS 41.101 version 13.0.0 Release 13)
- ETSI TS 143020 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Security related network functions (3GPP TS 43.020 version 13.4.0 Release 13)
- ETSI TS 143064 V 13.3.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Overall description of the GPRS radio interface – Stage 2 (3GPP TS 43.064 version 13.3.0 Release 13)
- ETSI TS 143318 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Generic Access Network (GAN) – Stage 2 (3GPP TS 43.318 version 13.1.0 Release 13)
- ETSI TS 144018 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile radio interface layer 3 specification – GSM/EDGE Radio Resource Control (RRC) protocol (3GPP TS 44.018 version 13.4.0 Release 13)
- ETSI TS 144060 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Mobile Station (MS) – Base Station System (BSS) interface – Radio Link Control / Medium Access Control (RLC/MAC) protocol (3GPP TS 44.060 version 13.4.0 Release 13)
- ETSI TS 144064 V 13.3.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station – Serving GPRS Support Node (MS-SGSN) – Logical Link Control (LLC) Layer Specification (3GPP TS 44.064 version 13.3.0 Release 13)
- ETSI TS 144318 V 13.1.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – Generic Access Network (GAN) – Mobile GAN interface layer 3 specification (3GPP TS 44.318 version 13.1.0 Release 13)
- ETSI TS 145001 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Physical layer on the radio path – General description (3GPP TS 45.001 version 13.4.0 Release 13)
- ETSI TS 145002 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Multiplexing and multiple access on the radio path (3GPP TS 45.002 version 13.4.0 Release 13)
- ETSI TS 145004 V 13.4.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Modulation (3GPP TS 45.004 version 13.4.0 Release 13)
- ETSI TS 145005 V 13.3.0:2017
Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Radio transmission and reception (3GPP TS 45.005 version 13.3.0 Release 13)
- ETSI TS 145008 V 13.4.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Radio subsystem link control (3GPP TS 45.008 version 13.4.0 Release 13)

ETSI TS 145010 V 13.4.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – GSM/EDGE Radio subsystem synchronization (3GPP TS 45.010 version 13.4.0 Release 13)

ETSI TS 148018 V 13.4.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – General Packet Radio Service (GPRS) – Base Station System (BSS) – Serving GPRS Support Node (SGSN) – BSS GPRS protocol (BSSGP) (3GPP TS 48.018 version 13.4.0 Release 13)

ETSI TS 151010-1 V 13.2.0:2016

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 1: Conformance specification (3GPP TS 51.010-1 version 13.2.0 Release 13)

ETSI TS 151010-2 V 13.3.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification (3GPP TS 51.010-2 version 13.3.0 Release 13)

ETSI TS 151010-4 V 13.2.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 4: Subscriber Identity Module (SIM) application toolkit conformance test specification (3GPP TS 51.010-4 version 13.2.0 Release 13)

ETSI TS 151010-5 V 10.17.0:2017

Digital cellular telecommunications system (Phase 2+) (GSM) – Mobile Station (MS) conformance specification – Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS) (3GPP TS 51.010-5 version 10.17.0 Release 10)

33.070.99 Ostale pokretne službe

Europska normizacija

ETSI

ETSI TS 123179 V 13.4.0:2017

LTE – Functional architecture and information flows to support mission critical communication services – Stage 2 (3GPP TS 23.179 version 13.4.0 Release 13)

ETSI TS 124161 V 13.3.0:2017

Universal Mobile Telecommunications System (UMTS) – LTE – Network-Based IP Flow Mobility (NBIFOM) – Stage 3 (3GPP TS 24.161 version 13.3.0 Release 13)

ETSI TS 124371 V 12.6.0:2017

Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 12.6.0 Release 12)

ETSI TS 124371 V 13.5.0:2017

Universal Mobile Telecommunications System (UMTS) – LTE – Web Real-Time Communications (WebRTC) access to the IP Multimedia (IM) Core Network (CN) subsystem (IMS) – Stage 3 – Protocol specification (3GPP TS 24.371 version 13.5.0 Release 13)

ETSI TS 124379 V 13.3.0:2017

LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 13.3.0 Release 13)

ETSI TS 124380 V 13.3.0:2017

LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.3.0 Release 13)

ETSI TS 124381 V 13.3.0:2017

LTE – Mission Critical Push To Talk (MCPTT) group management – Protocol specification (3GPP TS 24.381 version 13.3.0 Release 13)

ETSI TS 124382 V 13.2.0:2017

LTE – Mission Critical Push To Talk (MCPTT) identity management – Protocol specification (3GPP TS 24.382 version 13.2.0 Release 13)

ETSI TS 124383 V 13.3.0:2017

LTE – Mission Critical Push To Talk (MCPTT) Management Object (MO) (3GPP TS 24.383 version 13.3.0 Release 13)

ETSI TS 124384 V 13.3.0:2017

LTE – Mission Critical Push To Talk (MCPTT) configuration management – Protocol specification (3GPP TS 24.384 version 13.3.0 Release 13)

ETSI TS 124481 V 13.3.0:2017

LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 13.3.0 Release 13)

ETSI TS 124482 V 13.2.0:2017

LTE – Mission Critical Services (MCS) identity management – Protocol specification (3GPP TS 24.482 version 13.2.0 Release 13)

ETSI TS 124483 V 13.3.0:2017

LTE – Mission Critical Services (MCS) Management Object (MO) (3GPP TS 24.483 version 13.3.0 Release 13)

ETSI TS 124484 V 13.3.0:2017

LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 13.3.0 Release 13)

ETSI TS 129128 V 13.3.0:2017

LTE – Universal Mobile Telecommunications System (UMTS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) interfaces for interworking with packet data networks and applications (3GPP TS 29.128 version 13.3.0 Release 13)

ETSI TS 129155 V 13.2.0:2017

LTE – Traffic steering control – Representational State Transfer (REST) over St reference point (3GPP TS 29.155 version 13.2.0 Release 13)

ETSI TS 129283 V 13.2.0:2017

LTE – Universal Mobile Telecommunications System (UMTS) – Diameter data management applications (3GPP TS 29.283 version 13.2.0 Release 13)

ETSI TR 136904 V 12.3.0:2017

LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for User Equipment (UE) radio reception conformance tests (3GPP TR 36.904 version 12.3.0 Release 12)

ETSI TR 136904 V 13.0.0:2017

LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for User Equipment (UE) radio reception conformance tests (3GPP TR 36.904 version 13.0.0 Release 13)

ETSI TS 137105 V 13.3.0:2017

Universal Mobile Telecommunications System (UMTS) – LTE – Active Antenna System (AAS) Base Station (BS) transmission and reception (3GPP TS 37.105 version 13.3.0 Release 13)

ETSI TS 137145-1 V 13.1.0:2017

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 13.1.0 Release 13)

ETSI TS 137145-2 V 13.1.0:2017

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 13.1.0 Release 13)

ETSI TS 137171 V 13.1.0:2017

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 13.1.0 Release 13)

ETSI GS MEC-IEG 006 V 1.1.1:2017

Mobile Edge Computing – Market Acceleration – MEC Metrics Best Practice and Guidelines

Međunarodna normizacija

IEC

- IEC/PAS 63083:2017
Specific absorption rate (SAR) measurement procedure for long term evolution (LTE) devices

ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 35: Specific requirements for Low Power Active Medical Implants (LP-AMI) operating in the 2483,5 MHz to 2500 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU

33.100.01 Elektromagnetska kompatibilnost općenito

Europska normizacija CENELEC

- EN 50121-1:2017
Railway applications – Electromagnetic compatibility – Part 1: General
- EN 50121-2:2017
Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world
- EN 50121-3-1:2017
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle
- EN 50121-3-2:2016
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus
- EN 50121-4:2016
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus
- EN 61000-4-30:2015/AC:2017
Electromagnetic compatibility (EMC) – Part 4-30: Testing and measurement techniques – Power quality measurement methods (IEC 61000-4-30:2015/COR1:2016)

Međunarodna normizacija IEC

- IEC/TR 61000-2-5:2017
Electromagnetic compatibility (EMC) – Part 2-5: Environment – Description and classification of electromagnetic environments
- CISPR 16-1-4 AMD 2:2017
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; Amendment 1
- CISPR 16-1-6 AMD 1:2017
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration; Amendment 1
- CISPR 16-1-6 Edition 1.1:2017
Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-6: Radio disturbance and immunity measuring apparatus – EMC antenna calibration

33.100.10 Zračenje

Europska normizacija ETSI

- EN 301489-27 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 27: Specific conditions for Ultra Low Power Active Medical Implants (ULP-AMI) and related peripheral devices (ULP-AMI-P) – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
- EN 301489-29 V 2.1.1:2016
ElectroMagnetic Compatibility (EMC) standard for radio equipment and services – Part 29: Specific conditions for Medical Data Service Devices (MEDSD) operating in the 401 MHz to 402 MHz and 405 MHz to 406 MHz bands – Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
- EN 301489-35 V 2.1.1:2016

33.100.20 Otpornost

Međunarodna normizacija IEC

- IEC 62433-2:2017
EMC IC modelling – Part 2: Models of integrated circuits for EMI behavioural simulation – Conducted emissions modelling (ICEM-CE)
- IEC 62433-3:2017
EMC IC modelling – Part 3: Models of integrated circuits for EMI behavioural simulation – Radiated emissions modelling (ICEM-RE)
- CISPR 16-1-4 Edition 3.2:2017
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

33.120.10 Koaksijalni kabeli. Valovodi

Međunarodna normizacija IEC

- IEC 60096-0-1 AMD 1:2017
Radio frequency cables – Part 0-1: Guidelines to the design of detail specifications – Coaxial cables; Amendment 1
- IEC 60096-0-1 Edition 3.1:2017
Radio frequency cables – Part 0-1: Guidelines to the design of detail specifications – Coaxial cables

33.120.40 Antene

Međunarodna normizacija IEC

- CISPR 16-1-4 Edition 3.2:2017
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

33.160.01 Audiosustavi, videosustavi i audiovizualni sustavi općenito

Europska normizacija CENELEC

- EN 60065/AC:2017
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2014/COR2:2016)
- EN 62368-1:2014/A11:2017
Audio/video, information and communication technology equipment – Part 1: Safety requirements (IEC 62368-1:2014, modified)

33.160.50 Pribor

Europska normizacija CENELEC

- EN 61094-3:2016/AC:2017
Electroacoustics – Measurement microphones – Part 3: Primary method for free-field calibration of laboratory standard microphones by the reciprocity technique (IEC 61094-3:2016/COR1:2016)

ETSI

- EN 300422-1 V 2.1.2:2017
Wireless Microphones – Audio PMSE up to 3 GHz – Part 1:
Class A Receivers – Harmonised Standard covering the
essential requirements of article 3.2 of Directive 2014/53/EU

33.170 Televizijski i radijski prijenos

Europska normizacija ETSI

- EN 300401 V 2.1.1:2017
Radio Broadcasting Systems – Digital Audio Broadcasting
(DAB) to mobile, portable and fixed receivers
- ETSI TS 101162 V 1.8.1:2017
Digital Video Broadcasting (DVB) – Allocation of identifiers
and codes for Digital Video Broadcasting (DVB) systems
- ETSI TS 101756 V 2.1.1:2017
Digital Audio Broadcasting (DAB) – Registered Tables
- ETSI TS 102563 V 2.1.1:2017
Digital Audio Broadcasting (DAB) – DAB+ audio coding
(MPEG HE-AACv2)
- ETSI TS 102606-2 V 1.2.1:2016
Digital Video Broadcasting (DVB) – Generic Stream
Encapsulation (GSE) – Part 2: Logical Link Control (LLC)
- ETSI TS 102980 V 2.1.1:2017
Digital Audio Broadcasting (DAB) – Dynamic Label Plus (DL
Plus) – Application specification

33.180.10 Svjetlovodna vlakna i kabeli

Međunarodna normizacija IEC

- IEC 60793-1-1:2017
Optical fibres – Part 1-1: Measurement methods and test
procedures – General and guidance
- IEC 60794-1-2:2017
Optical fibre cables – Part 1-2: Generic specification – Basic
optical cable test procedures – General guidance

33.180.20 Svjetlovodni vezne naprave

Europska normizacija CENELEC

- EN 61753-052-3:2016
Fibre optic interconnecting devices and passive components
– Performance standard – Part 052-3: Single-mode fibre non-
connectorized fixed attenuator – Category U in uncontrolled
environment (IEC 61753-052-3:2016)
- EN 61753-052-6:2016
Fibre optic interconnecting devices and passive components
– Performance standard – Part 052-6: Single-mode fibre non-
connectorized fixed attenuator – Category O in outside plant
environment (IEC 61753-052-6:2016)
- EN 61754-32:2016
Fibre optic interconnecting devices and passive components
– Fibre optic connector interfaces – Part 32: Type DiaLink
connector family (IEC 61754-32:2016)
- EN 61754-34:2016
Fibre optic interconnecting devices and passive components
– Fibre optic connector interfaces – Part 34: Type URM
connector family (IEC 61754-34:2016)

Međunarodna normizacija IEC

- IEC 61300-2-9:2017
Fibre optic interconnecting devices and passive components
– Basic test and measurement procedures – Part 2-9: Tests
– Shock

33.180.30 Optička pojačala

Europska normizacija CENELEC

- EN 61290-4-1:2016
Optical amplifiers – Test methods – Part 4-1: Gain transient
parameters – Two-wavelength method (IEC 61290-4-1:2016)

Međunarodna normizacija IEC

- IEC 61291-5-2:2017
Optical amplifiers – Part 5-2: Qualification specifications
– Reliability qualification for optical fibre amplifiers
- IEC/TR 62343-6-4:2017
Dynamic modules – Part 6-4: Design guides – Reconfigurable
optical add/drop multiplexer
- IEC/TR 62343-6-6:2017
Dynamic modules – Part 6-6: Design guide – Failure mode
effect analysis for optical units of dynamic modules

33.200 Daljinsko upravljanje. Daljinsko mjerenje

Europska normizacija ETSI

- ETSI TS 103410-1 V 1.1.1:2017
SmartM2M – Smart Appliances Extension to SAREF – Part 1:
Energy Domain
- ETSI TS 103410-2 V 1.1.1:2017
SmartM2M – Smart Appliances Extension to SAREF – Part 2:
Environment Domain
- ETSI TS 103410-3 V 1.1.1:2017
SmartM2M – Smart Appliances Extension to SAREF – Part 3:
Building Domain
- ETSI TR 103411 V 1.1.1:2017
SmartM2M – Smart Appliances – SAREF extension
investigation

35.020 Informacijska tehnologija (IT) općenito

Europska normizacija CENELEC

- EN 50600-4-1:2016
Information technology – Data centre facilities and
infrastructures – Part 4-1: Overview of and general
requirements for key performance indicators
- EN 50600-4-2:2016
Information technology – Data centre facilities and
infrastructures – Part 4-2: Power Usage Effectiveness
- EN 50600-4-3:2016
Information technology – Data centre facilities and
infrastructures – Part 4-3: Renewable Energy Factor
- EN 60065/A11:2017
Audio, video and similar electronic apparatus – Safety
requirements

35.030 Sigurnost u informacijskoj tehnologiji

Europska normizacija CENELEC

- EN 60065/A11:2017
Audio, video and similar electronic apparatus – Safety
requirements

ETSI

- ETSI GR QSC 006 V 1.1.1:2017
Quantum-Safe Cryptography (QSC) – Limits to Quantum
Computing applied to symmetric key sizes

35.040.40 Kodiranje audioinformacija, videoinformacija, multimedijjskih i hipermedijjskih informacija

Međunarodna normizacija ISO/IEC

ISO/IEC 14496-5 AMD 24 Technical Corrigendum 3:2017
Information technology – Coding of audio-visual objects – Part 5: Reference software; Amendment 24: Reference software for AAC-ELD; Technical Corrigendum 3

ISO/IEC 14496-22 AMD 1:2017
Information technology – Coding of audio-visual objects – Part 22: Open Font Format – Amendment 1: Updates for font collections functionality

ISO/IEC 23000-15 AMD 1:2017
Information technology – Multimedia application format (MPEG-A) – Part 15: Multimedia preservation application format – Amendment 1: Implementation guidelines for MP-AF

ISO/IEC 23002-5 AMD 2:2017
Information technology – MPEG video technologies – Part 5: Reconfigurable media coding conformance and reference software – Amendment 2: Reference software for HEVC-related VTL extensions

ISO/IEC 23005-7:2017
Information technology – Media context and control – Part 7: Conformance and reference software

ISO/IEC 23008-3 AMD 3:2017
Information technology – High efficiency coding and media delivery in heterogeneous environments – Part 3: 3D audio – Amendment 3: MPEG-H 3D Audio Phase 2

35.060 Jezici koji se upotrebljavaju u informacijskoj tehnologiji

Međunarodna normizacija IEC

IEC/TR 63051:2017
Documentation on design automation subjects – Mathematical algorithm hardware description languages for system level modeling and verification (HDLMath)

35.110 Umrežavanje

Europska normizacija CENELEC

EN 50600-4-1:2016
Information technology – Data centre facilities and infrastructures – Part 4-1: Overview of and general requirements for key performance indicators

EN 50600-4-2:2016
Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness

EN 50600-4-3:2016
Information technology – Data centre facilities and infrastructures – Part 4-3: Renewable Energy Factor

EN 50667:2016
Information technology – Automated infrastructure management (AIM) systems – Requirements, data exchange and applications

ETSI

ETSI TR 103395 V 1.1.1:2016
Smart Body Area Network (SmartBan) – Measurements and modelling of SmartBAN Radio Frequency (RF) environment

ETSI GR NFV-IFA 015 V 2.1.1:2017
Network Functions Virtualisation (NFV) Release 2 – Management and Orchestration – Report on NFV Information Model

ETSI GR NFV-IFA 015 V 2.1.2:2017
Network Functions Virtualisation (NFV) Release 2 – Management and Orchestration – Report on NFV Information Model

ETSI GR NFV-SEC 009 V 1.2.1:2017
Network Functions Virtualisation (NFV) – NFV Security – Report on use cases and technical approaches for multi-layer host administration

ETSI GS MEC-IEG 006 V 1.1.1:2017
Mobile Edge Computing – Market Acceleration – MEC Metrics Best Practice and Guidelines

ETSI GS NFV-SEC 012 V 3.1.1:2017
Network Functions Virtualisation (NFV) Release 3 – Security – System architecture specification for execution of sensitive NFV components

Međunarodna normizacija IEC

IEC/TR 80001-2-9:2017
Application of risk management for it-networks incorporating medical devices – Part 2-9: Application guidance – Guidance for use of security assurance cases to demonstrate confidence in IEC TR 80001-2-2 security capabilities

35.160 Mikroprocesorski sustavi

Europska normizacija CENELEC

EN 50600-4-1:2016
Information technology – Data centre facilities and infrastructures – Part 4-1: Overview of and general requirements for key performance indicators

EN 50600-4-2:2016
Information technology – Data centre facilities and infrastructures – Part 4-2: Power Usage Effectiveness

EN 50600-4-3:2016
Information technology – Data centre facilities and infrastructures – Part 4-3: Renewable Energy Factor

Međunarodna normizacija IEC

IEC/TR 62453-62:2017
Field device tool (FDT) interface specification – Part 62: Field device tool (FDT) styleguide for common language infrastructure

35.200 Sučelna i spojna oprema

Europska normizacija CENELEC

EN 62680-1-2:2017
Universal serial bus interfaces for data and power – Part 1-2: Common components – USB Power Delivery specification (IEC 62680-1-2:2016)

Međunarodna normizacija ISO/IEC

ISO/IEC 14776-323:2017
Information technology – Small computer system interface (SCSI) – Part 323: SCSI Block commands – 3 (SBC-3)

35.240.15 Identifikacijske kartice i pripadajuće naprave

Međunarodna normizacija ISO/IEC

ISO/IEC 7812-1:2017
Identification cards – Identification of issuers – Part 1: Numbering system

ISO/IEC 7812-2:2017
Identification cards – Identification of issuers – Part 2: Application and registration procedures

ISO/IEC 24779-4:2017
Information technology – Cross-jurisdictional and societal aspects of implementation of biometric technologies – Pictograms, icons and symbols for use with biometric systems – Part 4: Fingerprint applications

35.240.50 Primjene IT-a u industriji

Europska normizacija
CENELEC

EN 61970-552:2016
Energy management system application program interface (EMS-API) – Part 552: CIMXML Model exchange format (IEC 61970-552:2016)

Međunarodna normizacija
IEC

IEC 62325-451-1:2017
Framework for energy market communications – Part 451-1: Acknowledgement business process and contextual model for CIM European market

IEC/TR 62453-62:2017
Field device tool (FDT) interface specification – Part 62: Field device tool (FDT) styleguide for common language infrastructure

IEC 62714-3:2017
Engineering data exchange format for use in industrial automation systems engineering – Automation markup language – Part 3: Geometry and kinematics

IEC/TR 63051:2017
Documentation on design automation subjects – Mathematical algorithm hardware description languages for system level modeling and verification (HDLMath)

35.240.63 IT aplikacije za trgovinu

Međunarodna normizacija
IEC

IEC 62325-451-1:2017
Framework for energy market communications – Part 451-1: Acknowledgement business process and contextual model for CIM European market

35.240.80 Primjene IT-a u tehnologiji zaštite zdravlja

Europska normizacija
CEN

EN ISO 25237:2017
Health informatics – Pseudonymization (ISO 25237:2017)

Međunarodna normizacija
ISO

ISO 25237:2017
Health informatics – Pseudonymization

IEC

IEC/TR 80001-2-9:2017
Application of risk management for it-networks incorporating medical devices – Part 2-9: Application guidance – Guidance for use of security assurance cases to demonstrate confidence in IEC TR 80001-2-2 security capabilities

35.240.99 Primjene IT-a u ostalim područjima

Europska normizacija
CENELEC

EN 50667:2016
Information technology – Automated infrastructure management (AIM) systems – Requirements, data exchange and applications

35.260 Uredski strojevi

Europska normizacija
CENELEC

EN 60065/A11:2017
Audio, video and similar electronic apparatus – Safety requirements

37.040.10 Fotografaska oprema. Projektori

Međunarodna normizacija
ISO

ISO 12233:2017
Photography – Electronic still picture imaging – Resolution and spatial frequency responses

37.100.10 Oprema za umnožavanje

Međunarodna normizacija
ISO/IEC

ISO/IEC 19752:2017
Information technology – Office equipment – Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components

ISO/IEC 19798:2017
Information technology – Office equipment – Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components

43.040.10 Električna i elektronička oprema

Europska normizacija
CENELEC

EN 50436-3:2016
Alcohol interlocks – Test methods and performance requirements – Part 3: Guidance for authorities, decision makers, purchasers and users

EN 50436-7:2016
Alcohol interlocks – Test methods and performance requirements – Part 7: Installation document

43.060.40 Sustavi goriva

Međunarodna normizacija
ISO

ISO 14469:2017
Road vehicles – Compressed natural gas (CNG) refuelling connector

43.100 Osobna vozila. Kamp-prikolice i lake prikolice

Europska normizacija
CEN

EN ISO 8936:2017
Awnings for leisure accommodation vehicles – Requirements and test methods (ISO 8936:2017)

Međunarodna normizacija
ISO

ISO 8936:2017
Awnings for leisure accommodation vehicles – Requirements and test methods

43.120 Električna cestovna vozila

Europska normizacija CEN

- EN ISO 17409:2017
Electrically propelled road vehicles – Connection to an external electric power supply – Safety requirements (ISO 17409:2015, Corrected version 2015-12-15)

Međunarodna normizacija ISO

- ISO/PAS 19363:2017
Electrically propelled road vehicles – Magnetic field wireless power transfer – Safety and interoperability requirements

IEC

- IEC 61980-1 Corrigendum 1:2017
Electric vehicle wireless power transfer (WPT) systems – Part 1: General requirements; Corrigendum 1

45.020 Željeznička tehnika općenito

Europska normizacija CENELEC

- EN 50121-1:2017
Railway applications – Electromagnetic compatibility – Part 1: General
- EN 50121-2:2017
Railway applications – Electromagnetic compatibility – Part 2: Emission of the whole railway system to the outside world
- EN 50121-4:2016
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

45.060.01 Željeznička tračnička vozila općenito

Europska normizacija CEN

- EN 15551:2017
Railway applications – Railway rolling stock – Buffers

CENELEC

- EN 50121-3-1:2017
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle
- EN 50121-3-2:2016
Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock – Apparatus

45.060.20 Vozila za tegljenje

Europska normizacija CEN

- EN 16585-1:2017
Railway applications – Design for PRM use – Equipment and components onboard rolling stock – Part 1: Toilets
- EN 16585-2:2017
Railway applications – Design for PRM use – Equipment and components on board rolling stock – Part 2: Elements for sitting, standing and moving
- EN 16585-3:2017
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Non-acoustic performance – Part 3: General safety and environmental requirements

45.100 Oprema za žičare

Europska normizacija CEN

- EN 1909:2017
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation

45.140 Oprema za metro, tramvaj i laku željeznicu

Europska normizacija CENELEC

- EN 50121-3-1:2017
Railway applications – Electromagnetic compatibility – Part 3-1: Rolling stock – Train and complete vehicle

47.020.60 Električna oprema brodova i pomorskih konstrukcija

Međunarodna normizacija IEC

- IEC 60309-5:2017
Plugs, socket-outlets and couplers for industrial purposes – Part 5: Dimensional compatibility and interchangeability requirements for plugs, socket-outlets, ship connectors and ship inlets for low-voltage shore connection systems (LVSC)

47.020.70 Oprema za navigaciju i upravljanje

Europska normizacija CENELEC

- EN 62940:2017
Maritime navigation and radiocommunication equipment and systems – Integrated communication system (ICS) – Operational and performance requirements, methods of testing and required test results (IEC 62940:2016)

ETSI

- EN 300720 V 2.1.1:2017
Ultra-High Frequency (UHF) on-board vessels communications systems and equipment – Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

49.030.20 Vijci i svorni vijci

Europska normizacija CEN

- EN 6129:2016/AC:2017
Aerospace series – Blind bolt, protruding head, high strength, pulltype

49.030.60 Zakovice

Europska normizacija CEN

- EN 6129:2016/AC:2017
Aerospace series – Blind bolt, protruding head, high strength, pulltype

49.035 Sastavni dijelovi za zrakoplovne konstrukcije

Europska normizacija CEN

- EN 3908:2017
Aerospace series – Nipples, lubricating, axial type, in corrosion resisting steel, passivated

49.090 **Oprema i instrumenti u zrakoplovu**

Europska normizacija ETSI

EN 302480 V 2.1.2:2017
Mobile Communication On Board Aircraft (MCOBA) systems
– Harmonised Standard covering the essential requirements
of article 3.2 of Directive 2014/53/EU

49.100 **Zemaljska služba i oprema za održavanje**

Europska normizacija CEN

EN 12312-3:2017
Aircraft ground support equipment – Specific requirements
– Part 3: Conveyor belt vehicles

Međunarodna normizacija ISO

ISO 16004:2017
Aircraft ground equipment – Passenger boarding bridge or
transfer vehicle – Interface requirements with aircraft doors

53.020.20 **Dizalice**

Europska normizacija CEN

EN 16851:2017
Cranes – Light crane systems

53.020.30 **Pribor za opremu za dizanje**

Međunarodna normizacija ISO

ISO/TR 21704:2017
Toughness of round steel link chains – Test with sub-size
specimens

53.040.20 **Sastavni dijelovi za prijenosne trake**

Europska normizacija CEN

EN ISO 703:2017
Conveyor belts – Transverse flexibility (troughability) – Test
method (ISO 703:2017)

EN ISO 15236-2:2017
Steel cord conveyor belts – Part 2: Preferred belt types
(ISO 15236-2:2017)

Međunarodna normizacija ISO

ISO 703:2017
Conveyor belts – Transverse flexibility (troughability) – Test
method

ISO 15236-2:2017
Steel cord conveyor belts – Part 2: Preferred belt types

53.100 **Strojevi za zemljane radove**

Međunarodna normizacija ISO

ISO 6405-1:2017
Earth-moving machinery – Symbols for operator controls and
other displays – Part 1: Common symbols

ISO 6405-2:2017
Earth-moving machinery – Symbols for operator controls
and other displays – Part 2: Symbols for specific machines,
equipment and accessories

ISO 8643:2017
Earth-moving machinery – Hydraulic excavator and backhoe
loader lowering control device – Requirements and tests

55.120 **Limenke. Konzerve. Tube**

Europska normizacija CEN

EN 15384-1:2017
Packaging – Test method to determine the porosity of the
internal coating of flexible aluminium tubes – Part 1: Sodium
chloride test

EN 15384-2:2017
Packaging – Test method to determine the porosity of the
internal coating of flexible aluminium tubes – Part 2: Copper
sulphate test

59.060.01 **Tekstilna vlakna općenito**

Međunarodna normizacija ISO

ISO 14362-1:2017
Textiles – Methods for determination of certain aromatic
amines derived from azo colorants – Part 1: Detection of
the use of certain azo colorants accessible with and without
extracting the fibres

ISO 14362-3:2017
Textiles – Methods for determination of certain aromatic
amines derived from azo colorants – Part 3: Detection of
the use of certain azo colorants, which may release
4-aminoazobenzene

59.140.20 **Sirova koža, koža**

Međunarodna normizacija ISO

ISO/TR 2822-2:2017
Leather – Raw cattle hides and calf skins – Part 2: Guidelines
for grading on the basis of mass

ISO/TR 2822-3:2017
Leather – Raw cattle hides and calf skins – Part 3: Guidelines
for grading on the basis of defects

59.140.30 **Koža i krzno**

Europska normizacija CEN

EN ISO 4044:2017
Leather – Chemical tests – Preparation of chemical test
samples (ISO 4044:2017)

Međunarodna normizacija ISO

ISO 2418:2017
Leather – Chemical, physical and mechanical and fastness
tests – Sampling location

ISO 2420:2017
Leather – Physical and mechanical tests – Determination of
apparent density and mass per unit area

ISO 4044:2017
Leather – Chemical tests – Preparation of chemical test
samples

ISO 5402-1:2017
Leather – Determination of flex resistance – Part 1: Flexometer
method

ISO 17075-1:2017
Leather – Chemical determination of chromium(VI) content in
leather – Part 1: Colorimetric method

ISO 17232:2017
Leather – Physical and mechanical tests – Determination of
heat resistance of patent leather

ISO 17233:2017
Leather – Physical and mechanical tests – Determination of cold crack temperature of surface coatings

65.020.20 Uzgoj biljaka

Međunarodna normizacija ISO

ISO 20408:2017
Traditional Chinese medicine – Panax notoginseng seeds and seedlings

65.040.30 Staklenici i ostale instalacije

Europska normizacija CEN

EN 13206:2017
Plastics – Thermoplastic covering films for use in agriculture and horticulture

65.060.70 Oprema za vrtlarstvo

Europska normizacija CEN

EN ISO 5395-3:2013/A1:2017
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator – Amendment 1: OPC, Parking brake, ROPS, pressurized hoses, cutting means, grass catcher and test probe (ISO 5395-3:2013/Amd 1:2017)

Međunarodna normizacija ISO

ISO 5395-3 AMD 1:2017
Garden equipment – Safety requirements for combustion-engine-powered lawnmowers – Part 3: Ride-on lawnmowers with seated operator – Amendment 1: OPC, Parking brake, ROPS, pressurized hoses, cutting means, grass catcher and test probe

65.060.80 Oprema za šumarstvo

Europska normizacija CEN

EN 609-1:2017
Agricultural and forestry machinery – Safety of log splitters – Part 1: Wedge splitters

Međunarodna normizacija ISO

ISO 7112:2017
Machinery for forestry – Portable brush-cutters and grass-trimmers – Vocabulary

67.120.30 Riba i riblji proizvodi

Europska normizacija CEN

EN 14526:2017
Foodstuffs – Determination of saxitoxin-group toxins in shellfish – HPLC method using pre-column derivatization with peroxide or periodate oxidation

67.140.10 Čaj

Međunarodna normizacija ISO

ISO 19563:2017
Determination of theanine in tea and instant tea in solid form using high-performance liquid chromatography

67.200.10 Životinjske i biljne masti i ulja

Međunarodna normizacija ISO

ISO 663:2017
Animal and vegetable fats and oils – Determination of insoluble impurities content

ISO 3960:2017
Animal and vegetable fats and oils – Determination of peroxide value – Iodometric (visual) endpoint determination

ISO 6883:2017
Animal and vegetable fats and oils – Determination of conventional mass per volume (litre weight in air)

ISO 8534:2017
Animal and vegetable fats and oils – Determination of water content – Karl Fischer method (pyridine free)

67.240 Senzorske analize

Europska normizacija CEN

EN ISO 5492:2009/A1:2017
Sensory analysis – Vocabulary – Amendment 1 (ISO 5492:2008/Amd 1:2016)

71.040.20 Laboratorijsko posuđe i odgovarajuća aparatura

Međunarodna normizacija IEC

IEC 61010-1 Edition 3.1:2017
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements

71.040.40 Kemijska analiza

Europska normizacija CENELEC

EN 50436-3:2016
Alcohol interlocks – Test methods and performance requirements – Part 3: Guidance for authorities, decision makers, purchasers and users

EN 50436-7:2016
Alcohol interlocks – Test methods and performance requirements – Part 7: Installation document

71.100.60 Eterična ulja

Međunarodna normizacija ISO

ISO 3054:2017
Essential oil of lavender Abrial (Lavandula angustifolia Mill. x Lavandula latifolia Medik.), French type

ISO 4730:2017
Essential oil of Melaleuca, terpinen-4-ol type (Tea Tree oil)

75.160.40 Biogoriva

Međunarodna normizacija ISO

ISO 18134-2:2017
Solid biofuels – Determination of moisture content – Oven dry method – Part 2: Total moisture – Simplified method

77.080.10 Željezni lijevovi

Međunarodna normizacija ISO

ISO 16112:2017
Compacted (vermicular) graphite cast irons – Classification

77.140.50 Proizvodi i poluproizvodi od plosnatog čelika

Europska normizacija CEN

EN 10152:2017
Electrolytically zinc coated cold rolled steel flat products for cold forming – Technical delivery conditions

77.140.70 Čelični profili

Europska normizacija CEN

EN 10056-1:2017
Structural steel equal and unequal leg angles – Part 1: Dimensions

EN 10365:2017
Hot rolled steel channels, I and H sections – Dimensions and masses

79.120.10 Strojevi za obradu drva

Europska normizacija CENÉLEC

EN 50632-3-3:2017
Electric motor-operated tools – Dust measurement procedure – Part 3-3: Particular requirements for transportable planers and thicknessers

81.060.30 Tehnička keramika

Međunarodna normizacija ISO

ISO 19606:2017
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for surface roughness of fine ceramic films by atomic force microscopy

ISO 19722:2017
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for determination of photocatalytic activity on semiconducting photocatalytic materials by dissolved oxygen consumption

ISO 20343:2017
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for determining elastic modulus of thick ceramic coatings at elevated temperature

83.020 Proizvodni procesi u industriji gume i plastike

Međunarodna normizacija ISO

ISO/TR 21275:2017
Rubber – Comprehensive review of the composition and nature of process fumes in the rubber industry

83.040.20 Sastojci gume

Međunarodna normizacija ISO

ISO 1437:2017
Rubber compounding ingredients – Carbon black – Determination of sieve residue

83.080.01 Plastika općenito

Europska normizacija CEN

EN ISO 177:2017
Plastics – Determination of migration of plasticizers (ISO 177:2016)

Međunarodna normizacija ISO

ISO 16620-5:2017
Plastics – Biobased content – Part 5: Declaration of biobased carbon content, biobased synthetic polymer content and biobased mass content

83.080.20 Plastomerni materijali

Europska normizacija CEN

EN ISO 25137-1:2017
Plastics – Sulfone polymer moulding and extrusion materials – Part 1: Designation system and basis for specifications (ISO 25137-1:2009)

EN ISO 25137-2:2017
Plastics – Sulfone polymer moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 25137-2:2009)

83.140.10 Filmovi i ploče

Europska normizacija CEN

EN 13206:2017
Plastics – Thermoplastic covering films for use in agriculture and horticulture

83.180 Adhezivi

Europska normizacija CEN

EN 302-8:2017
Adhesives for load-bearing timber structures – Test methods – Part 8: Static load test of multiple bond line specimens in compression shear

EN 15416-1:2017
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 1: Long-term tension load test perpendicular to the bond line at varying climate conditions with specimens perpendicular to the glue line (Glass house test)

EN 15416-3:2017
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 3: Creep deformation test at cyclic climate conditions with specimens loaded in bending shear

EN 15416-4:2017
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 4: Determination of open assembly time under referenced conditions

EN 15416-5:2017
Adhesives for load bearing timber structures other than phenolic and aminoplastic – Test methods – Part 5: Determination of minimum pressing time under referenced conditions

EN 15425:2017
Adhesives – One component polyurethane (PUR) for load-bearing timber structures – Classification and performance requirements

87.040 Boje i lakovi

Međunarodna normizacija ISO

- ISO 20567-1:2017
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 1: Multi-impact testing
- ISO 20567-2:2017
Paints and varnishes – Determination of stone-chip resistance of coatings – Part 2: Single-impact test with a guided impact body

91.010.99 Ostali aspekti

Europska normizacija CEN

- EN 16908:2017
Cement and building lime – Environmental product declarations – Product category rules complementary to EN 15804

91.080.10 Metalne konstrukcije

Europska normizacija CEN

- CEN/TR 17052:2017
Guidelines on implementing EN 1090-1:2009+A1:2011, Execution of steel structures and aluminium structures – Part 1: Requirements for conformity assessment of structural components

91.080.20 Drvene konstrukcije

Međunarodna normizacija ISO

- ISO 12122-4:2017
Timber structures – Determination of characteristic values – Part 4: Engineered wood products

91.100.10 Cement. Gips. Vapno. Mort

Europska normizacija CEN

- EN 16908:2017
Cement and building lime – Environmental product declarations – Product category rules complementary to EN 15804

91.100.15 Mineralni materijali i proizvodi

Europska normizacija CEN

- CEN/TR 17024:2017
Natural stones – Guidance for use of natural stones

91.100.30 Beton i betonski proizvodi

Europska normizacija CEN

- EN 490+A1:2017
Concrete roofing tiles and fittings for roof covering and wall cladding – Product specifications

91.100.60 Materijali za toplinsku i zvučnu izolaciju

Europska normizacija CEN

- EN 16809-2:2017
Thermal insulation products of buildings – In-situ formed products from loose-fill expanded polystyrene (EPS) beads and bonded expanded polystyrene beads – Part 2: Specification for the bonded and loose-fill products after installation

91.140.30 Sustavi prozračivanja i klimatizacije

Europska normizacija CEN

- EN 16573:2017
Ventilation for Buildings – Performance testing of components for residential buildings – Multifunctional balanced ventilation units for single family dwellings, including heat pumps

91.140.50 Sustavi opskrbe električnom energijom

Međunarodna normizacija IEC

- IEC 62054-21 AMD 1:2017
Electricity metering (AC) – Tariff and load control – Part 21: Particular requirements for time switches
- IEC 62054-21 Edition 1.1:2017
Electricity metering (AC) – Tariff and load control – Part 21: Particular requirements for time switches

91.140.60 Sustavi opskrbe vodom

Međunarodna normizacija ISO

- ISO 15876-1:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 1: General
- ISO 15876-2:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 2: Pipes
- ISO 15876-3:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 3: Fittings
- ISO 15876-5:2017
Plastics piping systems for hot and cold water installations – Polybutene (PB) – Part 5: Fitness for purpose of the system

91.140.65 Oprema za grijanje vode

Europska normizacija CENELEC

- EN 50193-2-2:2016
Electric instantaneous water heaters – Part 2-2: Performance requirements – Single point of use electric instantaneous showers – Efficiency

91.140.80 Odvodni sustavi

Europska normizacija CEN

- EN 1453-1:2017
Plastics piping systems with structured-wall pipes for soil and waste discharge (low and high temperature) inside buildings – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipes and the system

93.100 Gradnja željezničkih pruga

Europska normizacija CEN

- EN 13146-10:2017
Railway applications – Track – Test methods for fastening systems – Part 10: Proof load test for pull-out resistance
- EN 13481-2+A1:2017
Railway applications – Track – Performance requirements for fastening systems – Part 2: Fastening systems for concrete sleepers
- EN 13481-5+A1:2017
Railway applications – Track – Performance requirements for fastening systems – Part 5: Fastening systems for slab track with rail on the surface or rail embedded in a channel
- EN 16727-3:2017
Railway applications – Track – Noise barriers and related devices acting on airborne sound propagation – Non-acoustic performance – Part 3: General safety and environmental requirements

CENELEC

- EN 50121-4:2016
Railway applications – Electromagnetic compatibility – Part 4: Emission and immunity of the signalling and telecommunications apparatus

97.040.20 Štednjaci, radni stolovi, pećnice i slični uređaji

Europska normizacija CENELEC

- EN 60704-2-13:2017
Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-13: Particular requirements for range hoods and other cooking fume extractors (IEC 60704-2-13:2016)

97.100.10 Električni grijači

Međunarodna normizacija IEC

- IEC 60335-2-53 AMD 1:2017
Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances and infrared cabins
- IEC 60335-2-53 Edition 4.1:2017
Household and similar electrical appliances – Safety – Part 2-53: Particular requirements for sauna heating appliances and infrared cabins

97.120 Automatsko upravljanje za kućansku upotrebu

Međunarodna normizacija IEC

- IEC 63044-1:2017
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 1: General requirements
- IEC 63044-3:2017
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 3: Electrical safety requirements
- IEC 63044-5-1:2017
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-1: EMC requirements, conditions and test set-up
- IEC 63044-5-2:2017
Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 5-2: EMC requirements for HBES/BACS used in residential, commercial and light-industrial environments

IEC 63044-5-3:2017

Home and building electronic systems (HBES) and building automation and control systems (BACS) – Part 5-3: EMC requirements for HBES/BACS used in industrial environments

97.130.20 Trgovački rashladni uređaji

Europska normizacija CEN

- EN 16855-1:2017
Walk-in cold rooms – Definition, thermal insulation performance and test methods – Part 1: Prefabricated cold room kits

97.140 Namještaj

Europska normizacija CEN

- EN 581-3:2017
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements for tables

97.145 Ljestve

Europska normizacija CEN

- EN 131-2+A2:2017
Ladders – Part 2: Requirements, testing, marking

97.190 Oprema za djecu

Europska normizacija CEN

- EN 12868:2017
Child use and care articles – Method for determining the release of N-nitrosamines and N-nitrosatable substances from elastomer or rubber teats and soothers

97.200.30 Oprema za kampiranje i kampove

Europska normizacija CEN

- EN 581-3:2017
Outdoor furniture – Seating and tables for camping, domestic and contract use – Part 3: Mechanical safety requirements for tables
- EN ISO 8936:2017
Awnings for leisure accommodation vehicles – Requirements and test methods (ISO 8936:2017)

Međunarodna normizacija ISO

- ISO 8936:2017
Awnings for leisure accommodation vehicles – Requirements and test methods

97.220.10 Sportski objekti

Europska normizacija CEN

- EN 12572-2:2017
Artificial climbing structures – Part 2: Safety requirements and test methods for bouldering walls
- EN 12572-3:2017
Artificial climbing structures – Part 3: Safety requirements and test methods for climbing holds