

Hrvatski zavod za norme

Oglasnik za normativne dokumente

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

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

Izdavač:



HZN

Hrvatski zavod za norme
Croatian Standards Institute

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1 Rezultati hrvatske normizacije

1.1 Hrvatske norme

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

Hrvatske norme mogu nastati na ova četiri načina:

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

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

HZN/TO 5, *Metalne cijevi i priključci*

HRN EN 13555:2021 en pr
Prirubnice i njihovi spojevi – Parametri brtvi i postupci ispitivanja za primjenu pravila projektiranja brtvljenih kružnih prirubničkih spojeva (EN 13555:2021)
Flanges and their joints – Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections (EN 13555:2021)

HZN/TO 21, *Protupožarna i vatrogasna oprema*

HRN EN 17450-1:2021 en pr
Stabilni protupožarni sustavi – Sastavni dijelovi sustava vodene magle – 1. dio: Značajke proizvoda i metode ispitivanja sita i filtera (EN 17450-1:2021)
Fixed firefighting systems – Water mist components – Part 1: Product characteristics and test methods for strainer and filter components (EN 17450-1:2021)

HRS CEN/TS 17551:2021 en pr
Stabilni protupožarni sustavi – Automatski sustavi za prskanje (sprinkler sustavi) – Upute za protupotresno učvršćivanje (CEN/TS 17551:2021)
Fixed firefighting systems – Automatic sprinkler systems – Guidance for earthquake bracing (CEN/TS 17551:2021)

HZN/TO 22, *Cestovna vozila*

HRN EN 13423:2021 en pr
Vozila na prirodni plin – Zahtjevi za radionice za vozila na prirodni plin (EN 13423:2021)
Natural gas vehicles – Requirements for NGV workshops and the management of compressed natural gas (CNG) vehicles (EN 13423:2021)

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

HRN EN 1853:2021 en pr
Poljoprivredna mehanizacija – Prikolice – Sigurnost (EN 1853:2017+AC:2019)
Agricultural machinery – Trailers – Safety (EN 1853:2017+AC:2019)

HZN/TO 28, *Naftni proizvodi i maziva*

HRN EN 16942:2021 en pr
Goriva – Identifikacija kompatibilnosti vozila – Grafički prikaz informacija za potrošače (EN 16942:2016+A1:2021)
Fuels – Identification of vehicle compatibility – Graphical expression for consumer information (EN 16942:2016+A1:2021)

HZN/TO 34, *Poljoprivredni i prehrambeni proizvodi*

HRN EN ISO 6540:2021 en pr
Kukuruz – Određivanje udjela vlage (mljevenog i cijelog zrnja) (ISO 6540:2021; EN ISO 6540:2021)
Maize – Determination of moisture content (on milled grains and on whole grains) (ISO 6540:2021; EN ISO 6540:2021)

HZN/TO 37, *Terminologija*

HRN EN ISO 22259:2021 en pr
Konferencijski sustavi – Oprema – Zahtjevi (ISO 22259:2019; EN ISO 22259:2021)
Conference systems – Equipment – Requirements (ISO 22259:2019; EN ISO 22259:2021)

HRN ISO 24617-1:2021 en pr
Upravljanje jezičnim resursima – Okvir za semantičko označivanje (SemAF) – 1. dio: Vrijeme i događaji (SemAF-Time, ISO-TimeML) (ISO 24617-1:2021)
Language resource management – Semantic annotation framework (SemAF) – Part 1: Time and events (SemAF-Time, ISO-TimeML) (ISO 24617-1:2021)

HRN ISO 24617-2:2021 en pr
Upravljanje jezičnim resursima – Okvir za semantičko označivanje (SemAF) – 2. dio: Dijaloški čin (ISO 24617-2:2020)
Language resource management – Semantic annotation framework (SemAF) – Part 2: Dialogue acts (ISO 24617-2:2020)

HRN ISO 24617-9:2021 en pr
Upravljanje jezičnim resursima – Okvir za semantičko označivanje – 9. dio: Okvir za označivanje referencija (RAF) (ISO 24617-9:2019)
Language resource management – Semantic annotation framework – Part 9: Reference annotation framework (RAF) (ISO 24617-9:2019)

HZN/TO 44, *Zavarivanje i srodni postupci*

HRN EN ISO 10225:2021 en pr
Oprema za plinsko zavarivanje – Označivanje opreme koja se upotrebljava za plinsko zavarivanje, rezanje i srodne postupke (ISO 10225:2013; EN ISO 10225:2021)
Gas welding equipment – Marking for equipment used for gas welding, cutting and allied processes (ISO 10225:2013; EN ISO 10225:2021)

HRN EN ISO 13919-2:2021 en pr
Zavareni spojevi izvedeni elektronskim snopom i laserom – Zahtjevi i preporuke za razine kvalitete s obzirom na nepravilnosti – 2. dio: Aluminij, magnezij i njihove legure i čisti bakar (ISO 13919-2:2021; EN ISO 13919-2:2021)
Electron and laser-beam welded joints – Requirements and recommendations on quality levels for imperfections – Part 2: Aluminium, magnesium and their alloys and pure copper (ISO 13919-2:2021; EN ISO 13919-2:2021)

HRN EN ISO 18595:2021 en pr
Elektrotoporno zavarivanje – Točkasto zavarivanje aluminija i aluminijevih legura – Zavarljivost, zavarivanje i ispitivanje (ISO 18595:2021; EN ISO 18595:2021)
Resistance welding – Spot welding of aluminium and aluminium alloys – Weldability, welding and testing (ISO 18595:2021; EN ISO 18595:2021)

HRN EN ISO 22826:2021 en pr
Razorna ispitivanja zavara na metalnim materijalima – Ispitivanje tvrdoće uskih spojeva zavarenih laserom i elektronskim snopom (ispitivanje tvrdoće prema Vickersu i Knoopu) (ISO 22826:2005; EN ISO 22826:2021)
Destructive tests on welds in metallic materials – Hardness testing of narrow joints welded by laser and electron beam (Vickers and Knoop hardness tests) (ISO 22826:2005; EN ISO 22826:2021)

HZN/TO 92, *Zaštita od požara*

HRN EN 1366-4:2021 en pr
Ispitivanja otpornosti na požar servisnih instalacija – 4. dio: Brtve linearnih spojeva (EN 1366-4:2021)
Fire resistance tests for service installations – Part 4: Linear joint seals (EN 1366-4:2021)

HZN/TO 120, *Koža i obuća*

HRN EN ISO 17226-1:2021 en pr
Koža – Kemijsko određivanje sadržaja formaldehida – 1. dio: Metoda korištenjem tekućinske kromatografije visoke razlučivosti (ISO 17226-1:2021; EN ISO 17226-1:2021)
Leather – Chemical determination of formaldehyde content – Part 1: Method using high-performance liquid chromatography (ISO 17226-1:2021; EN ISO 17226-1:2021)

HZN/TO 130, Grafička tehnologija

HRN ISO 16612-3:2021 en pr
Grafička tehnologija – Razmjena promjenljivih podataka digitalnog tiska – 3. dio: Uпотреba PDF/X-6 (PDF/VT-3) (ISO 16612-3:2020)
Graphic technology – Variable data exchange – Part 3: Using PDF/X-6 (PDF/VT-3) (ISO 16612-3:2020)

HZN/TO 134, Gnojiva i poboljšivači tla

HRN ISO 7409:2021 en pr
Gnojiva – Označavanje – Predstavljanje i deklariranje (ISO 7409:2018)
Fertilizers – Marking – Presentation and declarations (ISO 7409:2018)

HRN ISO 20702:2021 en pr
Gnojiva i poboljšivači tla – Određivanje mikrokoličina anorganskih aniona u gnojivima ionskom kromatografijom (ISO 20702:2017)
Fertilizers and soil conditioners – Determination of microamounts of inorganic anions in fertilizers by ion chromatography (ISO 20702:2017)

HZN/TO 146, Kvaliteta zraka

HRN EN 482:2021 en pr
Profesionalna izloženost – Postupci za određivanje koncentracije kemijskih tvari – Opći zahtjevi za rad (EN 482:2021)
Workplace exposure – Procedures for the determination of the concentration of chemical agents – Basic performance requirements (EN 482:2021)

HRN EN 16429:2021 en pr
Emisije iz nepokretnih izvora – Referentna metoda za određivanje koncentracije plinovitog klorovodika (HCl) u otpadnim plinovima koji industrijska postrojenja ispuštaju u atmosferu (EN 16429:2021)
Stationary source emissions – Reference method for the determination of the concentration of gaseous hydrogen chloride (HCl) in waste gases emitted by industrial installations into the atmosphere (EN 16429:2021)

HZN/TO 165, Drvene konstrukcije

HRN EN 16351:2021 en pr
Drvene konstrukcije – Križno laminirano drvo – Zahtjevi (EN 16351:2021)
Timber structures – Cross laminated timber – Requirements (EN 16351:2021)

HZN/TO 207, Upravljanje okolišem

HRN EN ISO 14091:2021 en pr
Prilagodba klimatskim promjenama – Upute o ranjivosti, utjecajima i procjeni rizika (ISO 14091:2021; EN ISO 14091:2021)
Adaptation to climate change – Guidelines on vulnerability, impacts and risk assessment (ISO 14091:2021; EN ISO 14091:2021)

HZN/TO 211, Geoinformacije/Geomatika

HRN EN ISO 19135-1:2015/A1:2021 en pr
Geoinformacije – Postupci za registraciju stavki – 1. dio: Osnove (ISO 19135-1:2015/Amd 1:2021; EN ISO 19135-1:2015/A1:2021)
Geographic information – Procedures for item registration – Part 1: Fundamentals (ISO 19135-1:2015/Amd 1:2021; EN ISO 19135-1:2015/A1:2021)

HZN/TO 215, Zdravstvena informatika

HRN EN ISO 18530:2021 en pr
Zdravstvena informatika – Automatska identifikacija i prikupljanje podataka, označavanje i obilježavanje – Identifikacija korisnika i pojedinačnih pružatelja zdravstvene zaštite (ISO 18530:2021; EN ISO 18530:2021)
Health Informatics – Automatic identification and data capture marking and labelling – Subject of care and individual provider identification (ISO 18530:2021; EN ISO 18530:2021)

HZN/TO 503, Metalni materijali

HRN EN ISO 12004-2:2021 en pr
Metalni materijali – Određivanje krivulja granice oblikovanja za lim i traku – 2. dio: Određivanje krivulja granice oblikovanja u laboratoriju (ISO 12004-2:2021; EN ISO 12004-2:2021)
Metallic materials – Determination of forming-limit curves for sheet and strip – Part 2: Determination of forming-limit curves in the laboratory (ISO 12004-2:2021; EN ISO 12004-2:2021)

HRN EN ISO 28080:2021 en pr
Tvrdi metali – Abrazijska ispitivanja tvrdih metala (ISO 28080:2021; EN ISO 28080:2021)
Hardmetals – Abrasion tests for hardmetals (ISO 28080:2021; EN ISO 28080:2021)

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 14819-2:2021 en pr
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 2. dio: Kodovi za događaje i informacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-2:2021; EN ISO 14819-2:2021)
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 2: Event and information codes for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-2:2021; EN ISO 14819-2:2021)

HRN EN ISO 14819-3:2021 en pr
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 3. dio: Određivanje lokacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-3:2021; EN ISO 14819-3:2021)
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 3: Location referencing for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-3:2021; EN ISO 14819-3:2021)

HRS CEN/TS 17496:2021 en pr
Kooperativni inteligentni transportni sustavi – Komunikacijski profili (CEN/TS 17496:2021)
Cooperative intelligent transport systems – Communication profiles (CEN/TS 17496:2021)

HZN/TO 528, Oprema za željeznice

HRN EN 15595:2018/Ispr.1:2021 en pr
Željeznički sustav – Kočenje – Zaštita od proklizavanja (EN 15595:2018/AC:2021)
Railway applications – Braking – Wheel slide protection (EN 15595:2018/AC:2021)

HRN EN 15624:2021 en pr
Željeznički sustav – Kočenje – Mjenjač prazno-tovareno (EN 15624:2021)
Railway applications – Braking – Empty-loaded changeover devices (EN 15624:2021)

HRN EN 15625:2021 en pr
Željeznički sustav – Kočenje – Uređaj za automatsko praćenje izmjena opterećenja (EN 15625:2021)
Railway applications – Braking – Automatic variable load sensing devices (EN 15625:2021)

HRN EN 16334-2:2021 en pr
Željeznički sustav – Sustav alarmiranja od strane putnika – 2. dio: Zahtjevi za sustav gradskog i prigradskog tračničkog prijevoza (EN 16334-2:2020)
Railway applications – Passenger alarm system – Part 2: System requirements for urban rail (EN 16334-2:2020)

HRN EN 16729-2:2021 en pr
Željeznički sustav – Infrastruktura – Nerazorno ispitivanje tračnica u kolosijeku – 2. dio: Ispitivanje tračnica u kolosijeku vrtložnim strujama (EN 16729-2:2020)
Railway applications – Infrastructure – Non-destructive testing on rails in track – Part 2: Eddy current testing of rails in track (EN 16729-2:2020)

HZN/TO 531, *Plastika i guma*

HRN EN ISO 6721-3:2021 en pr
Plastika – Određivanje dinamičkih mehaničkih svojstava – 3. dio: Savojna vibracija – Metoda rezonantne krivulje (ISO 6721-3:2021; EN ISO 6721-3:2021)
Plastics – Determination of dynamic mechanical properties – Part 3: Flexural vibration – Resonance-curve method (ISO 6721-3:2021; EN ISO 6721-3:2021)

HRN EN ISO 11357-4:2021 en pr
Plastika – Diferencijalna pretražna kalorimetrija (DSC) – 4. dio: Određivanje specifičnoga toplinskog kapaciteta (ISO 11357-4:2021; EN ISO 11357-4:2021)
Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity (ISO 11357-4:2021; EN ISO 11357-4:2021)

HRN EN ISO 11357-8:2021 en pr
Plastika – Diferencijalna pretražna kalorimetrija (DSC) – 8. dio: Određivanje toplinske provodljivosti (ISO 11357-8:2021; EN ISO 11357-8:2021)
Plastics – Differential scanning calorimetry (DSC) – Part 8: Determination of thermal conductivity (ISO 11357-8:2021; EN ISO 11357-8:2021)

HRN EN ISO 24024-1:2021 en pr
Plastika – Homopolimerne i kopolimerne smole vinil-klorida – 1. dio: Sustav označavanja i osnova za specifikacije (ISO 24024-1:2021; EN ISO 24024-1:2021)
Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 1: Designation system and basis for specifications (ISO 24024-1:2021; EN ISO 24024-1:2021)

HRN EN ISO 24024-2:2021 en pr
Plastika – Homopolimerne i kopolimerne smole vinil-klorida – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 24024-2:2021; EN ISO 24024-2:2021)
Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties (ISO 24024-2:2021; EN ISO 24024-2:2021)

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

HRN EN ISO 22081:2021 en pr
Geometrijske specifikacije proizvoda (GSP) – Geometrijske tolerancije – Opće geometrijske i dimenzijske specifikacije (ISO 22081:2021; EN ISO 22081:2021)
Geometrical product specifications (GPS) – Geometrical tolerancing – General geometrical specifications and general size specifications (ISO 22081:2021; EN ISO 22081:2021)

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

HRN EN 13321-1:2021 en pr
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzor i upravljanje zgradama – Elektronički sustavi za obiteljske kuće i zgrade – 1. dio: Zahtjevi za proizvode i sustave (EN 13321-1:2021)
Open data communication in building automation, controls and building management – Home and building electronic system – Part 1: Product and system requirements (EN 13321-1:2021)

HRN EN ISO 52127-1:2021 en pr
Energijaska svojstva zgrada – Sustav upravljanja zgradama – 1. dio: Modul M10-12 (ISO 52127-1:2021; EN ISO 52127-1:2021)
Energy performance of buildings – Building management system – Part 1: Module M10-12 (ISO 52127-1:2021; EN ISO 52127-1:2021)

HZN/TO 544, *Strojni elementi*

HRN ISO 5593:2021 en,fr,de,ru pr
Valjni ležajevi – Terminološki rječnik (ISO 5593:2019)
Rolling bearings – Vocabulary (ISO 5593:2019)

HRN ISO 5598:2021 en,fr,de pr
Hidraulički i pneumatski sustavi i sastavnice – Terminološki rječnik (ISO 5598:2020)
Fluid power systems and components – Vocabulary (ISO 5598:2020)

HRN ISO 6336-1:2021 en pr
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 1. dio: Temeljna načela, uvod i opći utjecajni faktori (ISO 6336-1:2019)
Calculation of load capacity of spur and helical gears – Part 1: Basic principles, introduction and general influence factors (ISO 6336-1:2019)

HRN ISO 6336-2:2021 en pr
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 2. dio: Proračun nosivosti boka zuba (rupičenje) (ISO 6336-2:2019)
Calculation of load capacity of spur and helical gears – Part 2: Calculation of surface durability (pitting) (ISO 6336-2:2019)

HRN ISO 6336-3:2021 en pr
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 3. dio: Proračun nosivosti korijena zuba (ISO 6336-3:2019)
Calculation of load capacity of spur and helical gears – Part 3: Calculation of tooth bending strength (ISO 6336-3:2019)

HRN ISO 6336-5:2021 en pr
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 5. dio: Čvrstoća i kvaliteta materijala (ISO 6336-5:2016)
Calculation of load capacity of spur and helical gears – Part 5: Strength and quality of materials (ISO 6336-5:2016)

HRN ISO 6336-6:2021 en pr
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 6. dio: Proračun radnog vijeka pod promjenjivim opterećenjem (ISO 6336-6:2019)
Calculation of load capacity of spur and helical gears – Part 6: Calculation of service life under variable load (ISO 6336-6:2019)

HRN ISO 7146-1:2021 en pr
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Općenito (ISO 7146-1:2019)
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 1: General (ISO 7146-1:2019)

HRN ISO 7146-2:2021 en pr
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 2. dio: Kavitacijska erozija i protumjere (ISO 7146-2:2019)
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 2: Cavitation erosion and its countermeasures (ISO 7146-2:2019)

HRN ISO 7902-2:2021 en pr
Hidrodinamički radijalni klizni ležajevi u ustaljenom radu – Ležajevi s cilindričnom plohom po cijelom obodu – 2. dio: Funkcije upotrijebljene u postupku izračunavanja (ISO 7902-2:2020)
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 2: Functions used in the calculation procedure (ISO 7902-2:2020)

HRN ISO 7902-3:2021 en pr
Hidrodinamički radijalni klizni ležajevi u ustaljenom radu – Ležajevi s cilindričnom plohom po cijelom obodu – 3. dio: Dopušteni radni parametri (ISO 7902-3:2020)
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 3: Permissible operational parameters (ISO 7902-3:2020)

HRN ISO 7905-3:2021 en pr
Klizni ležajevi – Zamor materijala ležaja – 3. dio: Ispitivanje kliznih traka izrađenih iz više slojeva metalnih materijala (ISO 7905-3:2019)
Plain bearings – Bearing fatigue – Part 3: Test on plain strips of a metallic multilayer bearing material (ISO 7905-3:2019)

HRN ISO 11687-1:2021 en pr
Klizni ležajevi – Ležajni sklopovi – 1. dio: Stojeći ležajevi (ISO 11687-1:2020)
Plain bearings – Pedestal plain bearings – Part 1: Pillow blocks (ISO 11687-1:2020)

HRN ISO 11687-2:2021 en pr
Klizni ležajevi – Ležajni sklopovi – 2. dio: Prirubnički ležajevi s bočnom prirubnicom (ISO 11687-2:2020)
Plain bearings – Pedestal plain bearings – Part 2: Side flange bearings (ISO 11687-2:2020)

HRN ISO 11687-3:2021 en pr
Klizni ležajevi – Ležajni sklopovi – 3. dio: Prirubnički ležajevi sa središnjom prirubicom (ISO 11687-3:2020)
Plain bearings – Pedestal plain bearings – Part 3: Centre flange bearings (ISO 11687-3:2020)

HRN ISO 12128:2021 en pr
Klizni ležajevi – Provrti, kanali i džepovi za podmazivanje – Izmjere, vrste, označivanje i njihova primjena na ležajne čahure (ISO 12128:2020)
Plain bearings – Lubrication holes, grooves and pockets – Dimensions, types, designation and their application to bearing bushes (ISO 12128:2020)

HRN ISO 12129-1:2021 en pr
Klizni ležajevi – Tolerancije – 1. dio: Dosjedi (ISO 12129-1:2019)
Plain bearings – Tolerances – Part 1: Fits (ISO 12129-1:2019)

HRN ISO 12129-2:2021 en pr
Klizni ležajevi – Tolerancije – 2. dio: Tolerancije oblika i položaja te hrapavost površina za rukavce i aksijalne prstenove (ISO 12129-2:2019)
Plain bearings – Tolerances – Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars (ISO 12129-2:2019)

HRN ISO 12130-3:2021 en pr
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nagibnim segmentima u ustaljenom radu – 3. dio: Preporučene vrijednosti za proračun aksijalnih ležajeva s nagibnim segmentima (ISO 12130-3:2020)
Plain bearings – Hydrodynamic plain tilting pad thrust bearings under steady-state conditions – Part 3: Guide values for the calculation of tilting pad thrust bearings (ISO 12130-3:2020)

HRN ISO 12131-1:2021 en pr
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nepomičnim segmentima u ustaljenom radu – 1. dio: Proračun aksijalnih ležajeva s nepomičnim segmentima (ISO 12131-1:2020)
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 1: Calculation of thrust pad bearings (ISO 12131-1:2020)

HRN ISO 12131-3:2021 en pr
Klizni ležajevi – Hidrodinamički aksijalni ležajevi s nepomičnim segmentima u ustaljenom radu – 3. dio: Preporučene vrijednosti za proračun aksijalnih ležajeva s nepomičnim segmentima (ISO 12131-3:2020)
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 3: Guide values for the calculation of thrust pad bearings (ISO 12131-3:2020)

HRN ISO 12168-1:2021 en pr
Klizni ležajevi – Hidrostatički radijalni klizni ležajevi bez odvodnih kanala u ustaljenom radu – 1. dio: Proračun radijalnih kliznih ležajeva bez odvodnih kanala, podmazivanih uljem (ISO 12168-1:2019)
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 1: Calculation of oil-lubricated plain journal bearings without drainage grooves (ISO 12168-1:2019)

HRN ISO 12168-2:2021 en pr
Klizni ležajevi – Hidrostatički radijalni klizni ležajevi bez odvodnih kanala u ustaljenom radu – 2. dio: Karakteristične vrijednosti za proračun radijalnih kliznih ležajeva bez odvodnih kanala, podmazivanih uljem (ISO 12168-2:2019)
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings without drainage grooves (ISO 12168-2:2019)

HZN/TO 548, Konstrukcijski eurokodovi

HRN EN 1998-3:2011/Ispr.2:2021 hr izv
Eurokod 8: Projektiranje potresne otpornosti konstrukcija – 3. dio: Ocjenjivanje i obnova zgrada
Eurocode 8: Design of structures for earthquake resistance – Part 3: Assessment and retrofitting of buildings

HZN/TO 555, Medicinski proizvodi

HRN EN ISO 14644-17:2021 en pr
Čisti prostori i odgovarajući kontrolirani okoliš – 17. dio: Primjena rezultata mjerenja brzine taloženja čestica (ISO 14644-17:2021; EN ISO 14644-17:2021)
Cleanrooms and associated controlled environments – Part 17: Particle deposition rate applications (ISO 14644-17:2021; EN ISO 14644-17:2021)

HZN/TO 557, Zaštitna odjeća

HRN EN ISO 19918:2017/A1:2021 en pr
Zaštitna odjeća – Zaštita od kemikalija – Mjerenje kumulativne permeacije kemikalija s niskim tlakom pare kroz materijale – Amandman 1: Ekstrakcija i kemijska analiza (ISO 19918:2017/Amd 1:2021; EN ISO 19918:2017/A1:2021)
Protective clothing – Protection against chemicals – Measurement of cumulative permeation of chemicals with low vapour pressure through materials – Amendment 1: Extraction and chemical analysis (ISO 19918:2017/Amd 1:2021; EN ISO 19918:2017/A1:2021)

HZN/TO 558, Zaštita dišnih putova

HRN EN 143:2021 en pr
Zaštitne naprave za disanje – Filtri za čestice – Zahtjevi, ispitivanje, označivanje (EN 143:2021)
Respiratory protective devices – Particle filters – Requirements, testing, marking (EN 143:2021)

HRN EN 14387:2021 en pr
Zaštitne naprave za disanje – Filtar(filtri) za plin i kombinirani filtar(filtri) – Zahtjevi, ispitivanje, označivanje (EN 14387:2021)
Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking (EN 14387:2021)

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 9073-4:2021 en pr
Netkani tekstil – Metode ispitivanja – 4. dio: Određivanje sile kidanja metodom trapezoida (ISO 9073-4:2021; EN ISO 9073-4:2021)
Nonwovens – Test methods – Part 4: Determination of tear resistance by the trapezoid procedure (ISO 9073-4:2021; EN ISO 9073-4:2021)

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

HRN EN 13480-3:2017/A1:2021 en pr
Metalni industrijski cjevovodi – 3. dio: Projektiranje i proračun (EN 13480-3:2017/A1:2021)
Metallic industrial piping – Part 3: Design and calculation (EN 13480-3:2017/A1:2021)

HZN/TO 563, Sigurnost strojeva

HRN EN 12042:2021 en pr
Strojevi za preradu hrane – Automatski odjeljivači tijesta – Sigurnosni i higijenski zahtjevi (EN 12042:2014+A1:2020)
Food processing machinery – Automatic dough dividers – Safety and hygiene requirements (EN 12042:2014+A1:2020)

HRN EN ISO 13851:2021 en pr
Sigurnost strojeva – Dvoručni upravljački uređaji – Načela projektiranja i odabira (ISO 13851:2019; EN ISO 13851:2019)
Safety of machinery – Two-hand control devices – Principles for design and selection (ISO 13851:2019; EN ISO 13851:2019)

HRN EN ISO 13854:2021 en pr
Sigurnost strojeva – Najmanje udaljenosti za sprječavanje drobljenja dijelova ljudskog tijela (ISO 13854:2017; EN ISO 13854:2019)
Safety of machinery – Minimum gaps to avoid crushing of parts of the human body (ISO 13854:2017; EN ISO 13854:2019)

HRN EN ISO 13857:2021 en pr
Sigurnost strojeva – Sigurnosne udaljenosti radi sprečavanja dosezanja opasnih područja gornjim i donjim ekstremitetima (ISO 13857:2019; EN ISO 13857:2019)
Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2019; EN ISO 13857:2019)

HRN EN ISO 20607:2021 en pr
Sigurnost strojeva – Priručnik s uputama – Opća načela sastavljanja (ISO 20607:2019; EN ISO 20607:2019)
Safety of machinery – Instruction handbook – General drafting principles (ISO 20607:2019; EN ISO 20607:2019)

HZN/TO 566, Mlijeko i mliječni proizvodi

HRN EN ISO 22184:2021 en pr
Mlijeko i mliječni proizvodi – Određivanje sadržaja šećera – Anionska izmjenjivačka kromatografija visoke djelotvornosti s pulsirajućom amperometrijskom detekcijom (HPAEC-PAD) (ISO 22184:2021; EN ISO 22184:2021)
Milk and milk products – Determination of the sugar contents – High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD) (ISO 22184:2021; EN ISO 22184:2021)

HRN EN ISO 22579:2021 en pr
Hrana za dojenčad i nutritivno kompletna hrana za odrasle – Određivanje fruktana – Anionska izmjenjivačka kromatografija visoke djelotvornosti s pulsirajućom amperometrijskom detekcijom (HPAEC-PAD) nakon enzimске obrade (ISO 22579:2020; EN ISO 22579:2021)
Infant formula and adult nutritionals – Determination of fructans – High performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) after enzymatic treatment (ISO 22579:2020; EN ISO 22579:2021)

HZN/TO E14, Energetski transformatori

HRN EN IEC 60076-22-5:2021 en pr
Energetski transformatori – Dio 22-5: Oprema za energetske transformatore i prigušnice – Električne pumpe za transformatore (IEC 60076-22-5:2021; EN IEC 60076-22-5:2021)
Power transformers – Part 22-5: Power transformer and reactor fittings – Electric pumps for transformers (IEC 60076-22-5:2021; EN IEC 60076-22-5:2021)

HRN EN IEC 60076-22-6:2021 en pr
Energetski transformatori – Dio 22-6: Oprema za energetske transformatore i prigušnice – Električni ventilatori za transformatore (IEC 60076-22-6:2021; EN IEC 60076-22-6:2021)
Power transformers – Part 22-6: Power transformer and reactor fittings – Electric fans for transformers (IEC 60076-22-6:2021; EN IEC 60076-22-6:2021)

HZN/TO E17, Sklopni i upravljački uređaji

HRN EN IEC 60947-1:2021 en pr
Niskonaponska sklopna aparatura – 1. dio: Opća pravila (IEC 60947-1:2020; EN IEC 60947-1:2021)
Low-voltage switchgear and controlgear – Part 1: General rules (IEC 60947-1:2020; EN IEC 60947-1:2021)

HRN EN IEC 60947-3:2021 en pr
Niskonaponska sklopna aparatura – 3. dio: Sklopke, rastavljači, rastavne sklopke i kombinacije s osiguračima (IEC 60947-3:2020; EN IEC 60947-3:2021)
Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units (IEC 60947-3:2020; EN IEC 60947-3:2021)

HZN/TO E22, Energetska elektronika

HRN EN IEC 61800-1:2021 en pr
Elektromotorni sustavi podesive brzine – 1. dio: Opći zahtjevi – Specifikacija nazivnih vrijednosti niskonaponskih istosmjernih elektromotornih sustava podesive brzine (IEC 61800-1:2021; EN IEC 61800-1:2021)
Adjustable speed electrical power drive systems – Part 1: General requirements – Rating specifications for low voltage adjustable speed DC power drive systems (IEC 61800-1:2021; EN IEC 61800-1:2021)

HZN/TO E23, Električni instalacijski pribor

HRN EN 50696:2021 en pr
Kontaktno sučelje za uređaj za automatsko spajanje (EN 50696:2021)
Contact Interface for Automated Connection Device (EN 50696:2021)

HZN/TO E36, Izolatori

HRN EN IEC 60305:2021 en pr
Izolatori za nadzemne vodove nazivnog napona iznad 1 000 V – Keramički ili stakleni izolatorski članci za izmjenične sustave – Karakteristike izolatora tipa kapa-batić (IEC 60305:2021; EN IEC 60305:2021)
Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic or glass insulator units for a.c. systems – Characteristics of insulator units of the cap and pin type (IEC 60305:2021; EN IEC 60305:2021)

HRN EN IEC 60433:2021 en pr
Izolatori za nadzemne vodove nazivnog napona iznad 1 000 V – Keramički izolatori za izmjenične sustave – Karakteristike štapnih izolatora (IEC 60433:2021; EN IEC 60433:2021)
Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic insulators for A.C. systems – Characteristics of insulator units of the long rod type (IEC 60433:2021; EN IEC 60433:2021)

HZN/TO E45, Nuklearna instrumentacija

HRN EN IEC 61563:2021 en pr
Instrumentacija za zaštitu od zračenja – Oprema za mjerenje koncentracije aktivnosti gama radionuklida u prehrambenim proizvodima (IEC 61563:2019; EN IEC 61563:2021)
Radiation protection instrumentation – Equipment for measuring the activity concentration of gamma-emitting radionuclides in foodstuffs (IEC 61563:2019; EN IEC 61563:2021)

HRN EN IEC 62244:2021 en pr
Instrumentacija za zaštitu od zračenja – Instalirani portalni monitori zračenja za detekciju nedopuštenog prometa radioaktivnog i nuklearnog materijala (IEC 62244:2019; EN IEC 62244:2021)
Radiation protection instrumentation – Installed radiation portal monitors (RPMs) for the detection of illicit trafficking of radioactive and nuclear materials (IEC 62244:2019; EN IEC 62244:2021)

HRN EN IEC 63047:2021 en pr
Nuklearna instrumentacija – Podatkovni format za listu prikupljanja podataka korištenih u detekciji i mjerenju zračenja (IEC 63047:2018+Corr.1:2020; EN IEC 63047:2021)
Nuclear instrumentation – Data format for list mode digital data acquisition used in radiation detection and measurement (IEC 63047:2018+Corr.1:2020; EN IEC 63047:2021)

HZN/TO E62, Električna oprema u medicinskoj praksi

HRN EN IEC 60522-1:2021 en pr
Medicinska električna oprema – Rendgenska dijagnostika – 1. dio: Određivanje ekvivalentne kvalitete filtracije i trajne filtracije (IEC 60522-1:2020; EN IEC 60522-1:2021)
Medical electrical equipment – Diagnostic X-rays – Part 1: Determination of quality equivalent filtration and permanent filtration (IEC 60522-1:2020; EN IEC 60522-1:2021)

HRN EN 60601-1-3:2008/A2:2021 en pr
Medicinska električna oprema – Dio 1-3: Opći zahtjevi za osnovnu sigurnost i bitne radne značajke – Popratna norma: Zaštitu od zračenja u dijagnostičkoj rendgenskoj opremi (IEC 60601-1-3:2008/am2:2021; EN 60601-1-3:2008/A2:2021)
Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment (IEC 60601-1-3:2008/am2:2021; EN 60601-1-3:2008/A2:2021)

HZN/TO E76, Sigurnost optičkoga zračenja i laserska oprema

HRN EN 60825-1:2015/A11:2021 en pr
Sigurnost laserskih proizvoda – 1. dio: Klasifikacija opreme i zahtjevi (EN 60825-1:2014/A11:2021)
Safety of laser products – Part 1: Equipment classification and requirements (EN 60825-1:2014/A11:2021)

HZN/TO E79, Alarmni sustavi

HRS CLC/TS 50131-5-1:2021 en pr
Alarmni sustavi – Protuprovalni sustavi – Dio 5-1: Međuveze – Zahtjevi za žičnu međuvezu I i HAS opreme smještene u nadziranim objektima (CLC/TS 50131-5-1:2021)
Alarm systems – Intrusion systems – Part 5-1: Interconnections – Requirements for wired Interconnection for I&HAS equipments located in supervised premises (CLC/TS 50131-5-1:2021)

HZN/TU B1, Graditeljstvo 1

HRS CEN/TS 16637-1:2021 en pr
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 1. dio: Upute za utvrđivanje ispitivanja izluživanja i dodatnih koraka ispitivanja (CEN/TS 16637-1:2018)
Construction products – Assessment of release of dangerous substances – Part 1: Guidance for the determination of leaching tests and additional testing steps (CEN/TS 16637-1:2018)

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

- HRN EN ISO 11127-1:2021 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11127-1:2020; EN ISO 11127-1:2021)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11127-1:2020; EN ISO 11127-1:2021)
- HRN EN ISO 11127-2:2021 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11127-2:2020; EN ISO 11127-2:2021)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11127-2:2020; EN ISO 11127-2:2021)
- HRN EN ISO 11127-3:2021 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 3. dio: Određivanje prividne gustoće (ISO 11127-3:2020; EN ISO 11127-3:2021)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density (ISO 11127-3:2020; EN ISO 11127-3:2021)
- HRN EN ISO 11127-5:2021 en pr
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 5. dio: Određivanje vlažnosti (ISO 11127-5:2020; EN ISO 11127-5:2021)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture (ISO 11127-5:2020; EN ISO 11127-5:2021)
- HRN EN ISO 15741:2021 en pr
Boje i lakovi – Premazi za smanjenje trenja za unutrašnjost obalnih i odobalnih čeličnih cijevovoda za nekorozivne plinove (ISO 15741:2016; EN ISO 15741:2021)
Paints and varnishes – Friction-reduction coatings for the interior of on- and offshore steel pipelines for non-corrosive gases (ISO 15741:2016; EN ISO 15741:2021)
- HRN EN 17444:2021 en pr
Prevenција dopinga u sportu – Dobra razvojna i proizvodna praksa usmjerena na sprječavanje prisutnosti zabranjenih tvari u hrani namijenjenoj sportašima i dodacima prehrani (EN 17444:2021)
Doping prevention in sport – Good development and manufacturing practices aimed at preventing the presence of prohibited substances in food intended for sports people and food supplements (EN 17444:2021)
- HRI CEN/TR 17559:2021 en pr
Alge i proizvodi na bazi alga – Primjene u sektoru hrane i hrane za životinje: Opći pregled ograničenja, postupaka i analitičkih metoda (CEN/TR 17559:2021)
Algae and algae products – Food and feed applications: General overview of limits, procedures and analytical methods (CEN/TR 17559:2021)
- HRN EN ISO 20566:2021 en pr
Boje i lakovi – Određivanje otpornosti sustava premaza na grebanje upotrebom laboratorijske autopraonice (ISO 20566:2020; EN ISO 20566:2021)
Paints and varnishes – Determination of the scratch resistance of a coating system using a laboratory-scale car-wash (ISO 20566:2020; EN ISO 20566:2021)
- HRN EN ISO/ASTM 52950:2021 en pr
Aditivna proizvodnja – Opća načela – Pregled obrade podataka (ISO/ASTM 52950:2021; EN ISO/ASTM 52950:2021)
Additive manufacturing – General principles – Overview of data processing (ISO/ASTM 52950:2021; EN ISO/ASTM 52950:2021)

HZN/TU I2, *Strojarstvo 2*

- HRN EN ISO 4037-1:2021 en pr
Radiološka zaštita – X i gama referentno zračenje za umjeravanje dozimetara i dozatora i za određivanje njihovog odziva kao funkcije energije fotona – 1. dio: Karakteristike zračenja i metode proizvodnje (ISO 4037-1:2019; EN ISO 4037-1:2021)
Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 1: Radiation characteristics and production methods (ISO 4037-1:2019; EN ISO 4037-1:2021)
- HRN EN ISO 4037-2:2021 en pr
Radiološka zaštita – X i gama referentno zračenje za umjeravanje dozimetara i dozatora i za određivanje njihovog odziva kao funkcije energije fotona – 2. dio: Dozimetrija za zaštitu od zračenja u rasponu od 8 keV do 1,3 MeV i 4 MeV do 9 MeV (ISO 4037-2:2019; EN ISO 4037-2:2021)
Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 2: Dosimetry for radiation protection over the energy ranges from 8 keV to 1,3 MeV and 4 MeV to 9 MeV (ISO 4037-2:2019; EN ISO 4037-2:2021)
- HRN EN ISO 4037-3:2021 en pr
Radiološka zaštita – X i gama referentno zračenje za umjeravanje dozimetara i dozatora i za određivanje njihovog odziva kao funkcije energije fotona – 3. dio: Umjeravanje površinskih i osobnih dozimetara i mjerenje njihovog odziva kao funkcije energije i kuta incidencije (ISO 4037-3:2019; EN ISO 4037-3:2021)
Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 3: Calibration of area and personal dosimeters and the measurement of their response as a function of energy and angle of incidence (ISO 4037-3:2019; EN ISO 4037-3:2021)
- HRN EN ISO 4037-4:2021 en pr
Radiološka zaštita – X i gama referentno zračenje za umjeravanje dozimetara i dozatora i za određivanje njihovog odziva kao funkcije energije fotona – Umjeravanje površinskih i osobnih dozimetara u X referentnim poljima zračenja niske energije (ISO 4037-4:2019; EN ISO 4037-4:2021)
Radiological protection – X and gamma reference radiation for calibrating dosimeters and doserate meters and for determining their response as a function of photon energy – Part 4: Calibration of area and personal dosimeters in low energy X reference radiation fields (ISO 4037-4:2019; EN ISO 4037-4:2021)
- HRN EN ISO 8299:2021 en pr
Tehnologija nuklearnog goriva – Određivanje koncentracije izotopa i elementarnog urana i plutonija nuklearnih materijala u otopinama dušične kiseline termičko-ionizacijskom masenom spektrometrijom (ISO 8299:2019; EN ISO 8299:2021)
Nuclear fuel technology – Determination of the isotopic and elemental uranium and plutonium concentrations of nuclear materials in nitric acid solutions by thermal-ionization mass spectrometry (ISO 8299:2019; EN ISO 8299:2021)
- HRN EN ISO 9161:2021 en pr
Uranijev dioksid u prahu – Određivanje prividne gustoće i gustoće nakon taloženja (ISO 9161:2019; EN ISO 9161:2021)
Uranium dioxide powder – Determination of apparent density and tap density (ISO 9161:2019; EN ISO 9161:2021)
- HRN EN ISO 9463:2021 en pr
Nuklearna energija – Tehnologija nuklearnog goriva – Određivanje plutonija u otopinama dušične kiseline spektrofotometrijom (ISO 9463:2019; EN ISO 9463:2021)
Nuclear energy – Nuclear fuel technology – Determination of plutonium in nitric acid solutions by spectrophotometry (ISO 9463:2019; EN ISO 9463:2021)
- HRN EN ISO 11929-1:2021 en pr
Određivanje karakterističnih granica (prag odlučivanja, granica detekcije i granice intervala pokrivanja) za mjerenja ionizirajućeg zračenja – Osnove i primjena – 1. dio: Osnovne primjene (ISO 11929-1:2019; EN ISO 11929-1:2021)
Determination of the characteristic limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 1: Elementary applications (ISO 11929-1:2019; EN ISO 11929-1:2021)

HRN EN ISO 11929-2:2021 en pr
Određivanje karakterističnih granica (prag odlučivanja, granica detekcije i granice intervala pokrivanja) za mjerenja ionizirajućeg zračenja – Osnove i primjena – 2. dio: Napredne primjene (ISO 11929-2:2019; EN ISO 11929-2:2021)
Determination of the characteristics limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 2: Advanced applications (ISO 11929-2:2019; EN ISO 11929-2:2021)

HRN EN ISO 11929-3:2021 en pr
Određivanje karakterističnih granica (prag odlučivanja, granica detekcije i granice intervala pokrivanja) za mjerenja ionizirajućeg zračenja – Osnove i primjena – 3. dio: Primjena na metode konvolucije (unfolding) (ISO 11929-3:2019; EN ISO 11929-3:2021)
Determination of the characteristics limits (decision threshold, detection limit and limits of the coverage interval) for measurements of ionizing radiation – Fundamentals and application – Part 3: Application to unfolding methods (ISO 11929-3:2019; EN ISO 11929-3:2021)

HRN EN 12514:2020/Ispr.1:2021 en pr
Elementi sustava opskrbe potrošnih jedinica tekućim gorivima (EN 12514:2020/AC:2021)
Components for supply systems for consuming units with liquid fuels (EN 12514:2020/AC:2021)

HRN EN ISO 12807:2021 en pr
Safe transport of radioactive materials – Leakage testing on packages (ISO 12807:2018; EN ISO 12807:2021)

HRN EN ISO 14146:2021 en pr
Radiološka zaštita – Kriteriji i ograničenja izvedbe za periodično ocjenjivanje dozimetrijskih usluga (ISO 14146:2018; EN ISO 14146:2021)
Radiological protection – Criteria and performance limits for the periodic evaluation of dosimetry services (ISO 14146:2018; EN ISO 14146:2021)

HRN EN ISO 16793:2021 en pr
Tehnologija nuklearnog goriva – Smjernice za ceramografsku pripremu sintetiranih peleta UO₂ za ispitivanje mikrostrukture (ISO 16793:2018; EN ISO 16793:2021)
Nuclear fuel technology – Guidelines for ceramographic preparation of UO₂ sintered pellets for microstructure examination (ISO 16793:2018; EN ISO 16793:2021)

HRN EN ISO 18256-1:2021 en pr
Tehnologija nuklearnog goriva – Rastvaranje materijala koji sadrže plutonij dioksid – 1. dio: Rastvaranje praha plutonij dioksida (ISO 18256-1:2019; EN ISO 18256-1:2021)
Nuclear fuel technology – Dissolution of plutonium dioxide-containing materials – Part 1: Dissolution of plutonium dioxide powders (ISO 18256-1:2019; EN ISO 18256-1:2021)

HRN EN ISO 18256-2:2021 en pr
Tehnologija nuklearnog goriva – Rastvaranje materijala koji sadrže plutonij dioksid – 2. dio: Rastvaranje MOX peleta i praha (ISO 18256-2:2019; EN ISO 18256-2:2021)
Nuclear fuel technology – Dissolution of plutonium dioxide-containing materials – Part 2: Dissolution of MOX pellets and powders (ISO 18256-2:2019; EN ISO 18256-2:2021)

HRN EN ISO 20046:2021 en pr
Radiološka zaštita – Kriteriji izvedbe za laboratorije koji koriste test translokacije fluorescentne in situ hibridizacije (FISH) za procjenu izloženosti ionizirajućem zračenju (ISO 20046:2019; EN ISO 20046:2021)
Radiological protection – Performance criteria for laboratories using Fluorescence In Situ Hybridization (FISH) translocation assay for assessment of exposure to ionizing radiation (ISO 20046:2019; EN ISO 20046:2021)

HRN EN ISO 28057:2021 en pr
Klinička dozimetrija – Dozimetrija sa čvrstim termoluminiscentnim detektorima za fotonsko i elektronsko zračenje u radioterapiji (ISO 28057:2019)
Clinical dosimetry – Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy (ISO 28057:2019; EN ISO 28057:2021)

HZN/TU N1, Nemetalni materijali 1

HRN EN ISO 17562:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for linear thermal expansion of monolithic ceramics by push-rod technique (ISO 17562:2016; EN ISO 17562:2021)

HRN EN ISO 19628:2021 en pr
Fine ceramics (advanced ceramics, advanced technical ceramics) – Thermophysical properties of ceramic composites – Determination of specific heat capacity (ISO 19628:2017; EN ISO 19628:2021)

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

HRN EN ISO 8536-12:2021 en pr
Oprema za infuziju za medicinsku primjenu – 12. dio: Protupovratni ventili za jednokratnu upotrebu (ISO 8536-12:2021; EN ISO 8536-12:2021)
Infusion equipment for medical use – Part 12: Check valves for single use (ISO 8536-12:2021; EN ISO 8536-12:2021)

HRN EN ISO 15854:2021 en pr
Stomatologija – Voskovi za lijevanje i izradu bazne ploče (ISO 15854:2021; EN ISO 15854:2021)
Dentistry – Casting and baseplate waxes (ISO 15854:2021; EN ISO 15854:2021)

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

HRN EN 4687:2021 en pr
Zrakoplovstvo – Boje i lakovi – Dvokomponentni temeljni premaz bez kromata (bez inhibitora korozije) koji otvrdnjava pri sobnoj temperaturi – Osnovna boja bez kromata za vojnu upotrebu (EN 4687:2021)
Aerospace series – Paints and varnishes – Chromate free (non corrosion inhibiting) two-components room temperature curing primer – Chromate free primer for military application (EN 4687:2021)

HRN EN 4688:2021 en pr
Zrakoplovstvo – Boje i lakovi – Na koroziju otporan dvokomponentni epoksi temeljni premaz s kromatom koji otvrdnjava pri sobnoj temperaturi – Visoka otpornost na koroziju za vojnu primjenu (EN 4688:2021)
Aerospace series – Paints and varnishes – Corrosion resistant chromated two-components room temperature curing epoxy primer – High corrosion resistance for military application (EN 4688:2021)

HRN EN 4689:2021 en pr
Zrakoplovstvo – Boje i lakovi – Dvokomponentni poliuretanski završni sloj koji otvrdnjava pri sobnoj temperaturi – Visoka elastičnost i otpornost prema kemijskim sredstvima za vojnu primjenu (EN 4689:2021)
Aerospace series – Paints and varnishes – Two-components room temperature curing polyurethane finish – High flexibility and chemical agent resistance for military application (EN 4689:2021)

HRN EN ISO 11532:2021 en pr
Oprema za zemaljsku podršku zrakoplovu – Grafički simboli (ISO 11532:2018; EN ISO 11532:2020)
Aircraft ground equipment – Graphical symbols (ISO 11532:2018; EN ISO 11532:2020)

HRN EN 12312-5:2021 en pr
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 5. dio: Zrakoplovna oprema za točenje goriva (EN 12312-5:2021)
Aircraft ground support equipment – Specific requirements – Part 5: Aircraft fuelling equipment (EN 12312-5:2021)

HZN/TU V1, Elektronika 1

HRN EN IEC 60747-17:2020/Ispr.1:2021 en pr
Poluvodičke komponente – 17. dio: Magnetske i kapacitivne spojnice za osnovnu i ojačanu izolaciju (IEC 60747-17:2020/Corr.1:2021; EN IEC 60747-17:2020/AC:2021)
Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation (IEC 60747-17:2020/Corr.1:2021; EN IEC 60747-17:2020/AC:2021)

HRN EN IEC 60794-1-2:2021 en pr
Svjetlovodni kabeli – Dio 1-2: Generička specifikacija – Osnovni postupci ispitivanja svjetlovodnih kabela – Opće smjernice (IEC 60794-1-2:2021; EN IEC 60794-1-2:2021)
Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures – General guidance (IEC 60794-1-2:2021; EN IEC 60794-1-2:2021)

HRN EN IEC 60794-3-12:2021 en pr
Svjetlovodni kabele – Dio 3-12: Kabele za vanjsku primjenu – Detaljna specifikacija za svjetlovodne telekomunikacijske kabele u kanalima i izravno ukopane za polaganje u korisničkim prostorima (IEC 60794-3-12:2021; EN IEC 60794-3-12:2021)
Optical fibre cables – Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling (IEC 60794-3-12:2021; EN IEC 60794-3-12:2021)

HRN EN IEC 61169-15:2021 en pr
Radiofrekvencijski konektori – 15. dio: Sekcijska specifikacija – Radiofrekvencijski koaksijalni konektori s unutarnjim promjerom vanjskog vodiča 4,13 mm (0,163 in) s navojnom spojnicom – Karakteristična impedancija 50 Ω (tip SMA) (IEC 61169-15:2021; EN IEC 61169-15:2021)
Radio-frequency connectors – Part 15: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling – Characteristic impedance 50 Ω (type SMA) (IEC 61169-15:2021; EN IEC 61169-15:2021)

HRN EN IEC 61169-65:2021 en pr
Radiofrekvencijski konektori – 65. dio: Sekcijska specifikacija za radiofrekvencijske koaksijalne konektore s unutarnjim promjerom vanjskog vodiča 1,35 mm, s vijčanom spojnicom, karakteristične impedancije 50 Ω (IEC 61169-65:2021; EN IEC 61169-65:2021)
Radio-frequency connectors – Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50 Ω (IEC 61169-65:2021; EN IEC 61169-65:2021)

HRN EN IEC 61189-5-501:2021 en pr
Metode ispitivanja za električne materijale, tiskane pločice i druge strukture i sklopove za međusobno povezivanje – Dio 5-501: Opće metode ispitivanja za materijale i sklopove – Ispitivanje otpornosti površinske izolacije (SIR) na tekućine za lemljenje (IEC 61189-5-501:2021; EN IEC 61189-5-501:2021)
Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-501: General test methods for materials and assemblies – Surface insulation resistance (SIR) testing of solder fluxes (IEC 61189-5-501:2021; EN IEC 61189-5-501:2021)

HRN EN IEC 62149-3:2020/Ispr.1:2021 en pr
Aktivne svjetlovodne komponente i uređaji – Izvedbene norme – 3. dio: Odašiljači s laserskim diodama integriranim u modulator za svjetlovodne prijenosne sustave od 40 Gbit/s (IEC 62149-3:2020/Corr.1:2021; EN IEC 62149-3:2020/AC:2021)
Fibre optic active components and devices – Performance standards – Part 3: Modulator-integrated laser diode transmitters for 40-Gbit/s fibre optic transmission systems (IEC 62149-3:2020/Corr.1:2021; EN IEC 62149-3:2020/AC:2021)

HZN/TU W1, Energetska elektrotehnika 1

HRN EN IEC 62485-6:2021 en pr
Sigurnosni zahtjevi za sekundarne baterije i baterijske instalacije – 5. dio: Siguran rad litij-ionskih baterija u primjeni za vuču (IEC 62485-6:2021; EN IEC 62485-6:2021)
Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of lithium-ion batteries in traction applications (IEC 62485-6:2021; EN IEC 62485-6:2021)

HRN EN IEC 63115-2:2021 en pr
Sekundarni članci i baterije koje sadrže alkalne ili ostale nekisele elektrolite – Zapečaćeni nikal-metalni hidridni članci i baterije za uporabu u industrijskoj primjeni – 2. dio: Sigurnost (IEC 63115-2:2021; EN IEC 63115-2:2021)
Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications – Part 2: Safety (IEC 63115-2:2021; EN IEC 63115-2:2021)

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 44, Zavarivanje i srodni postupci

prEN ISO 1089 en
Resistance welding equipment – Electrode taper fits for spot welding equipment – Dimensions (ISO/DIS 1089:2021)
Oprema za elektrootporno zavarivanje – Elektrodni konični dosjedi za opremu za točkasto zavarivanje – Dimenzije (ISO/DIS 1089:2021)

prEN ISO 5173 en
Destructive tests on welds in metallic materials – Bend tests (ISO/DIS 5173:2021)
Razorna ispitivanja zavora na metalnim materijalima – Ispitivanja savijanjem (ISO/DIS 5173:2021)

prEN ISO 10675-1 en
Non-destructive testing of welds – Acceptance levels for radiographic testing – Part 1: Steel, nickel, titanium and their alloys (ISO/DIS 10675-1:2021)
Nerazorno ispitivanje zavora – Razine prihvatljivosti za radiografsko ispitivanje – 1. dio: Čelik, nikel, titanij i njihove legure (ISO/DIS 10675-1:2021)

prEN ISO 25901-2 en
Welding and allied processes – Vocabulary – Part 2: Health and safety (ISO/DIS 25901-2:2021)
Zavarivanje i srodni postupci – Terminološki rječnik – 2. dio: Zdravlje i sigurnost (ISO/DIS 25901-2:2021)

HZN/TO 74, Cement i vapno

EN 16908:2017/prA1 en
Cement and building lime – Environmental product declarations – Product category rules complementary to EN 15804
Cement i građevno vapno – Izjava zaštite okoliša – Pravila za razvrstavanje proizvoda kao dopuna normi EN 15804

HZN/TO 92, Zaštita od požara

EN 1366-11:2018/prA1 en
Fire resistance tests for service installations – Part 11: Fire protective systems for cable systems and associated components
Ispitivanja otpornosti na požar servisnih instalacija – 11. dio: Sustavi zaštite od požara za sustave kabela i pripadajuće dijelove

HZN/TO 121, Anestetička i respiracijska oprema

prEN ISO 10079-1 en
Medical suction equipment – Part 1: Electrically powered suction equipment (ISO/DIS 10079-1:2021)
Medicinska usisna oprema – 1. dio: Električno pogonjena usisna oprema (ISO/DIS 10079-1:2021)

prEN ISO 10079-2 en
Medical suction equipment – Part 2: Manually powered suction equipment (ISO/DIS 10079-2:2021)
Medicinska usisna oprema – 2. dio: Ručno pogonjena usisna oprema (ISO/DIS 10079-2:2021)

prEN ISO 10079-3 en
Medical suction equipment – Part 3: Suction equipment powered from a vacuum or positive pressure gas source (ISO/DIS 10079-3:2021)
Medicinska usisna oprema – 3. dio: Usisna oprema pogonjena vakuumom ili stlačenim plinom (ISO/DIS 10079-3:2021)

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

prEN ISO 11295 en
Plastics piping systems used for the rehabilitation of pipelines – Classification and overview of strategic and operational activities (ISO/DIS 11295:2021)

HZN/TO 163, *Toplinska izolacija*

prEN ISO 12241 en
Thermal insulation for building equipment and industrial installations – Calculation rules (ISO/DIS 12241:2021)
Toplinsko izoliranje kućnih i industrijskih instalacija – Pravila proračuna (ISO/DIS 12241:2021)

HZN/TO 172, *Optika i optički instrumenti*

prEN ISO 8980-3 en
Ophthalmic optics – Uncut finished spectacle lenses – Part 3: Transmittance specifications and test methods (ISO/DIS 8980-3:2021)
Oftalmološka optika – Neoblikovane gotove naočalne leće – 3. dio: Specifikacije transmitancije i metode ispitivanja (ISO/DIS 8980-3:2021)

HZN/TO 211, *Geoinformacije/Geomatika*

prEN ISO 19168-1 en
Geographic information – Geospatial API for features – Part 1: Core (ISO 19168-1:2020)

HZN/TO 215, *Zdravstvena informatika*

prEN ISO/TS 82304-2 en
Health software – Part 2: Health and wellness apps – Quality and reliability (ISO/DIS 82304-2:2021)

HZN/TO 217, *Kozmetika*

prEN ISO 23821 en
Cosmetics – Analytical methods – Determination of traces of mercury in cosmetics by atomic absorption spectrometry (AAS) cold vapour technology after pressure digestion (ISO/DIS 23821:2021)

prEN ISO 24442 en
Cosmetics – Sun protection test methods – In vivo determination of sunscreen UVA protection (ISO/DIS 24442:2021)
Kozmetika – Metode određivanja zaštitnih faktora – In vivo određivanje UVA zaštitnih faktora (ISO/DIS 24442:2021)

EN ISO 24444:2020/prA1 en
Cosmetics – Sun protection test methods – In vivo determination of the sun protection factor (SPF) (ISO 24444:2019/DAMd 1:2021)
Kozmetika – Metode ispitivanja sredstava za zaštitu od sunca – In vivo određivanje faktora zaštite od sunca (SPF) (ISO 24444:2019/DAMd 1:2021)

HZN/TO 502, *Plinski uređaji*

prEN 13203-2 en
Gas-fired domestic appliances producing hot water – Part 2: Assessment of energy consumption
Plinski uređaji za pripremu potrošne tople vode za kućanstva – 2. dio: Procjena potrošnje energije

prEN 13203-3 en
Solar supported gas-fired domestic appliances producing hot water – Appliances not exceeding 70 kW heat input and 500 litres water storage capacity – Part 3: Assessment of energy consumption
Plinski uređaji potpomognuti solarnim kolektorima za pripremu potrošne tople vode za kućanstva – Uređaji s nazivnim toplinskim opterećenjem do 70 kW i 500 litara kapaciteta spremnika vode – 3. dio: Procjena potrošnje energije

prEN 13203-5 en
Gas-fired domestic appliances producing hot water – Part 5: Assessment of energy consumption of gas-fired appliances combined with electrical heat pump
Plinski uređaji za pripremu potrošne tople vode za kućanstva – 5. dio: Procjena potrošnje energije plinskih uređaja kombiniranih s električnom dizalicom topline

prEN 13203-6 en
Gas-fired domestic appliances producing hot water – Part 6: Assessment of energy consumption of adsorption and absorption heat pumps
Plinski uređaji za pripremu potrošne tople vode za kućanstva – 6. dio: Procjena potrošnje energije adsorpcijskih i apsorpcijskih dizalica topline

HZN/TO 503, *Metalni materijali*

prEN ISO 7668 en
Anodizing of aluminium and its alloys – Measurement of specular reflectance and specular gloss of anodic oxidation coatings at angles of 20 degrees, 45 degrees, 60 degrees or 85 degrees (ISO/DIS 7668:2021)
Anodizacija aluminija i aluminijevih legura – Mjerenje direktne refleksije i direktnog odsjaja prevlaka dobivenih anodnom oksidacijom pod kutovima od 20°, 45°, 60° ili 85° (ISO/DIS 7668:2021)

prEN 10202 en
Cold reduced tinmill products – Electrolytic tinplate and electrolytic chromium/chromium oxide coated steel
Hladno valjani proizvodi za pakiranje – Elektrolitski pokositreni čelik i čelici s elektrolitskom prevlakom kroma/kromova oksida

prEN 12020-1 en
Aluminium and aluminium alloys – Extruded precision profiles in alloys EN AW-6060 and EN AW-6063 – Part 1: Technical conditions for inspection and delivery
Aluminij i aluminijeve legure – Istisnuti precizni profili od legura EN AW-6060 i EN AW-6063 – 1. dio: Tehnički uvjeti za preuzimanje i isporuku

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

prEN ISO 12696 en
Cathodic protection of steel in concrete (ISO/DIS 12696:2021)
Katodna zaštita čelika u betonu (ISO/DIS 12696:2021)

HZN/TO 505, *Prijenos i distribucija plina*

prEN 12583 en
Gas Infrastructure – Compressor stations – Functional requirements
Plinska infrastruktura – Kompresorske stanice – Funkcionalni zahtjevi

HZN/TO 515, *Žičare, uspinjače i vučnice*

prEN 17639 en
Safety of machinery – Cableway installations designed for the transport of material and specially designated persons – General safety requirements

HZN/TO 528, *Oprema za željeznice*

EN 14601:2005+A1:2010/prA2 en
Railway applications – Straight and angled end cocks for brake pipe and main reservoir pipe
Željeznički sustav – Ravna i kutna završna crijeva za slavine kočnice i glavnog spremnika zraka

HZN/TO 531, *Plastika i guma*

prEN ISO 489 en
Plastics – Determination of refractive index (ISO/DIS 489:2021)
Plastika – Određivanje indeksa loma (ISO/DIS 489:2021)

prEN ISO 3915 en
Plastics – Measurement of resistivity of conductive plastics (ISO/DIS 3915:2021)
Plastika – Mjerenje otpornosti vodljive plastike (ISO/DIS 3915:2021)

prEN ISO 4671 en
Rubber and plastics hoses and hose assemblies – Methods of measurement of the dimensions of hoses and the lengths of hose assemblies (ISO/DIS 4671:2021)
Gumena i plastična crijeva i crijevni uređaji – Metode mjerenja dimenzija crijeva i dužina crijevnih uređaja (ISO/DIS 4671:2021)

prEN ISO 6801 en
Rubber and plastics hoses – Determination of volumetric expansion (ISO/DIS 6801:2021)
Gumena ili plastična crijeva – Određivanje volumnog širenja (ISO/DIS 6801:2021)

prEN ISO 7823-3 en
Plastics – Poly(methyl methacrylate) sheets – Types, dimensions and characteristics – Part 3: Continuous cast sheets (ISO/FDIS 7823-3:2021)
Plastika – Poli(metil-metakrilatne) ploče – Tipovi, dimenzije i svojstva – 3. dio: Kontinuirano lijevane ploče (ISO/FDIS 7823-3:2021)

prEN ISO 8330 en
Rubber and plastics hoses and hose assemblies – Vocabulary (ISO/DIS 8330:2021)
Gumena i plastična crijeva i crijevni sklopovi – Terminološki rječnik (ISO/DIS 8330:2021)

prEN ISO 12017 en
Plastics – Poly(methyl methacrylate) double- and triple-skin sheets – Test methods (ISO/FDIS 12017:2021)
Plastika – Dvoslojne i troslojne poli(metil-metakrilatne) ploče – Ispitne metode (ISO/FDIS 12017:2021)

prEN ISO 14631 en
Extruded sheets of impact-modified polystyrene (PS-I) – Requirements and test methods (ISO/FDIS 14631:2021)
Ekstrudirane ploče od modificiranoga žilavog polistirena (PS-I) – Zahtjevi i ispitne metode (ISO/FDIS 14631:2021)

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

EN 16867:2020/prA1 en
Building hardware – Mechatronic door furniture – Requirements and test methods
Građevni okovi – Mehatronički okovi za vrata – Zahtjevi i metode ispitivanja

HZN/TO 548, Konstrukcijski eurokodovi

prEN 1993-1-8 en
Eurocode 3: Design of steel structures – Part 1-8: Design of joints
Eurokod 3: Projektiranje čeličnih konstrukcija – Dio 1-8: Proračun priključaka

prEN 1999-1-1 en
Eurocode 9: Design of aluminium structures – Part 1-1: General structural rules
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-1: Opća pravila

prEN 1999-1-2 en
Eurocode 9 – Design of aluminium structures – Part 1-2: Structural fire design
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-2: Proračun konstrukcija na djelovanje požara

prEN 1999-1-3 en
Eurocode 9: Design of aluminium structures – Part 1-3: Structures susceptible to fatigue
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-3: Konstrukcije osjetljive na zamor

prEN 1999-1-4 en
Eurocode 9: Design of aluminium structures – Part 1-4: Cold-formed structural sheeting
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-4: Hladno oblikovani konstrukcijski limovi

prEN 1999-1-5 en
Eurocode 9 – Design of aluminium structures – Part 1-5: Shell structures
Eurokod 9: Projektiranje aluminijskih konstrukcija – Dio 1-5: Ljuskaste konstrukcije

HZN/TO 550, Opskrba vodom

prEN 936 en
Chemicals used for treatment of water intended for human consumption – Carbon dioxide
Kemikalije koje se upotrebljavaju u obradi vode namijenjene ljudskoj potrošnji – Ugljikov dioksid

HZN/TO 555, Medicinski proizvodi

prEN ISO 4307 en
Molecular in vitro diagnostic examinations – Specifications for pre-examination processes for saliva – Isolated human DNA (ISO/DIS 4307:2021)

EN ISO 11137-2:2015/prA1 en
Sterilization of health care products – Radiation – Part 2: Establishing the sterilization dose (ISO 11137-2:2013/DAMd 1:2021)
Sterilizacija proizvoda za zdravstvenu skrb – Zračenje – 2. dio: Utemeljenje doze za sterilizaciju (ISO 11137-2:2013/DAMd 1:2021)

prEN ISO 16256 en
Clinical laboratory testing and in vitro diagnostic test systems – Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against yeast fungi involved in infectious diseases (ISO/DIS 16256:2021)

prEN ISO 17664-1 en
Processing of health care products – Information to be provided by the medical device manufacturer for the processing of medical devices – Part 1: Critical and semi-critical medical devices (ISO/FDIS 17664-1:2020)

HZN/TO 556, Osobna zaštitna oprema

prEN ISO 22568-4 en
Foot and leg protectors – Requirements and test methods for footwear components – Part 4: Non-metallic perforation resistant inserts (ISO/DIS 22568-4:2021)
Štitnici stopala i nogu – Zahtjevi i metode ispitivanja za sastavne dijelove obuće – 4. dio: Nemetalni umetak otporan na proboj (ISO/DIS 22568-4:2021)

HZN/TO 557, Zaštitna odjeća

EN 14058:2017/prA1 en
Protective clothing – Garments for protection against cool environments
Zaštitna odjeća – Odjevni predmeti za zaštitu od hladne okoline

HZN/TO 558, Zaštita dišnih putova

prEN 134 en
Respiratory protective devices – Nomenclature of components
Zaštitne naprave za disanje – Nazivi dijelova

HZN/TO 560, Tekstilni proizvodi

EN ISO 20932-1:2020/prA1 en
Textiles – Determination of the elasticity of fabrics – Part 1: Strip tests (ISO 20932-1:2018/DAMd 1:2021)
Tekstil – Određivanje elastičnosti tekstila – 1. dio: Ispitivanje u obliku trake (ISO 20932-1:2018/DAMd 1:2021)

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

prEN ISO 14245 en
Gas cylinders – Specifications and testing of LPG cylinder valves – Self-closing (ISO/FDIS 14245:2021)
Plinske boce – Specifikacije i ispitivanje ventila boca za UNP – Automatsko zatvaranje (ISO/FDIS 14245:2021)

prEN ISO 15995 en
Gas cylinders – Specifications and testing of LPG cylinder valves – Manually operated (ISO/FDIS 15995:2021)
Plinske boce – Specifikacije i ispitivanje ventila boca za UNP – Ručno pokretani ventili (ISO/FDIS 15995:2021)

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

prEN 17644 en
Foodstuffs – Detection of food allergens by liquid chromatography - mass spectrometry (LC-MS) methods – General considerations
Hrana – Dokazivanje alergena u hrani metodom tekućinske kromatografije - masene spektrometrije (LC-MS) – Opća razmatranja

HZN/TO 579, Robotika, sustavi automatizacije i integracije

ISO 10303-21:2016 en
Industrial automation systems and integration – Product data representation and exchange – Part 21: Implementation methods: Clear text encoding of the exchange structure
Sustavi industrijske automatizacije i integracija – Prikaz i razmjena podataka o proizvodu – 21. dio: Metode za primjenu: Tekstualni kodovi strukture za razmjenu podataka

ISO 15745-4:2003/Amd 2:2007 en
Industrial automation systems and integration – Open systems application integration framework – Part 4: Reference description for Ethernet-based control systems – Amendment 2: Profiles for Modbus TCP, EtherCAT and ETHERNET Powerlink
Sustavi industrijske automatizacije i integracija – Okvir za integraciju programskih podrški otvorenih sustava – 4. dio: Referencijski opis za sustave upravljanja koji se temelje na Ethernetu – Amandman 2: Profili za Modbus TCP, EtherCAT i ETHERNET Powerlink

HZN/TO E17, Sklopni i upravljački uređaji

prEN IEC 62271-203:2021 en
High-voltage switchgear and controlgear – Part 203: Gas-insulated metal-enclosed switchgear for rated voltages above 52 kV (IEC 62271-203:202X)
Visokonaponska sklopna aparatura – 203. dio: Plinom izolirana metalom oklopljena razvodna aparatura za nazivne napone iznad 52 kV (IEC 62271-203:202X)

EN IEC 62271-209:2019/prA1:2021 en
Amendment 1 – High-voltage switchgear and controlgear – Part 209: Cable connections for gasinsulated metal-enclosed switchgear for rated voltages above 52 kV – Fluid-filled and extruded insulation cables – Fluid-filled and dry-type cable-terminations (IEC 62271-209:2019/am1:202X)
Amandman 1 – Visokonaponska sklopna aparatura – 209. dio: Kabelski spojevi za plinom izolirane, metalom oklopljene sklopne blokove za nazivne napone iznad 52 kV – Kabelski završeci ispunjeni tekućim medijem i kabelski završeci suhog tipa (IEC 62271-209:2019/am1:202X)

HZN/TO E22, Energetska elektronika

EN 60700-1:2015/prA1:2021 en
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 1: Electrical testing (IEC 60700-1:2015/am1:202X)
Tiristorski ventili za prijenos energije istosmjernom strujom visokog napona (HVDC) – 1. dio: Električno ispitivanje (IEC 60700-1:2015/am1:202X)

EN 60700-2:2016/prA1:2021 en
Thyristor valves for high voltage direct current (HVDC) power transmission – Part 2: Terminology (IEC 60700-2:2016/am1:202X)
Tiristorski ventili za prijenos energije istosmjernom strujom visokog napona (HVDC) – 2. dio: Terminologija (IEC 60700-2:2016/am1:202X)

prEN IEC 61954:2021 en
Static var compensators (SVC) – Testing of thyristor valves (IEC 61954:202X)
Statički kompenzatori jalove snage (SVC) – Ispitivanje tiristorskih ventila (IEC 61954:202X)

HZN/TO E23, Električni instalacijski pribor

EN 61534-1:2011/prAA en
Powertrack systems – Part 1: General requirements
Energetski tračnički sustavi – 1. dio: Opći zahtjevi

HZN/TO E31, Eksplozivne atmosfere

prEN IEC 60079-17:2021 en
Explosive atmospheres – Part 17: Electrical installations inspection and maintenance (IEC 60079-17:202X)
Eksplozivne atmosfere – 17. dio: Pregled i održavanje električnih instalacija (IEC 60079-17:202X)

HZN/TO E61, Sigurnost električnih kućanskih i sličnih aparata

prEN IEC 60335-2-95:2021 en
Household and similar electrical appliances – Safety – Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use (IEC 60335-2-95:2019)
Kućanski i slični električni aparati – Sigurnost – Dio 2-95: Posebni zahtjevi pogona za okomito pomicanje garažnih vrata u domaćinstvu (IEC 60335-2-95:2019)

prEN IEC 60335-2-95:2021/prAA:2021 en
Household and similar electrical appliances – Safety – Part 2-95: Particular requirements for drives for vertically moving garage doors for residential use
Kućanski i slični električni aparati – Sigurnost – Dio 2-95: Posebni zahtjevi pogona za okomito pomicanje garažnih vrata u domaćinstvu

HZN/TO E78, Rad pod naponom

prEN IEC 62819:2021 en
Live working – Eye, face and head protectors against the effects of electric arc – Test methods and performance requirements (IEC 62819:202X)
Rad pod naponom – Štitnici za oči, lice i glavu protiv učinaka električnog luka – Metode ispitivanja i zahtjevi za značajke (IEC 62819:202X)

HZN/TO E88, Vjetroagregati

EN 61400-13:2016/prA1:2021 en
Wind turbines – Part 13: Measurement of mechanical loads (IEC 61400-13:2015/am1:202X)
Vjetroagregati – 13. dio: Mjerenje mehaničkih opterećenja (IEC 61400-13:2015/am1:202X)

HZN/TO T4, Normizacija u telekomunikacijama

Draft EN 300 718-1 V2.2.0:2021 en
Avalanche Beacons operating at 457 kHz – Transmitter-receiver systems – Part 1: Harmonised Standard for access to radio spectrum
Lavinski radio farovi koji rade na 457 kHz – Sustavi odašiljač-prijamnik – 1. dio: Harmonizirana norma za pristup radijskom spektru

Draft EN 302 186 V2.2.0:2021 en
Satellite Earth Stations and Systems (SES) – Satellite mobile Aircraft Earth Stations (AESs) operating in the 11/12/14 GHz frequency bands – Harmonised Standard for access to radio spectrum
Satelitske zemaljske postaje i sustavi (SES) – Satelitske pokretne zrakoplovne zemaljske postaje (AESs) koje rade u frekvencijskim pojasima 11/24/14 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 348 V1.2.0:2021 en
Audio frequency induction loop drivers up to 45 A in the frequency range 10 Hz to 9 kHz – Harmonised Standard for access to radio spectrum
Pobudivači audio frekvencijske indukcijske petlje do 45 A u frekvencijskom području od 10 Hz do 9 kHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 303 980 V1.2.0:2021 en
Satellite Earth Stations and Systems (SES) – Fixed and in-motion Earth Stations communicating with non-geostationary satellite systems (NEST) in the 11 GHz to 14 GHz frequency bands – Harmonised Standard for access to radio spectrum
Satelitske zemaljske postaje i sustavi (SES) – Nepokretne i pokretne zemaljske postaje koje komuniciraju s negeostacionarnim satelitskim sustavima (NEST) u frekvencijskim pojasima od 11 GHz do 14 GHz – Harmonizirana norma za pristup radijskom spektru

Draft EN 319 401 V2.3.0:2021 en
Electronic Signatures and Infrastructures (ESI) – General Policy Requirements for Trust Service Providers
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila za vjerodostojne davatelje usluga

Draft EN 319 411-1 V1.3.0:2021 en
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 1: General requirements
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga izdavanja certifikata – 1. dio: Opći zahtjevi

Draft EN 319 411-2 V2.3.0:2021 en
Electronic Signatures and Infrastructures (ESI) – Policy and security requirements for Trust Service Providers issuing certificates – Part 2: Requirements for trust service providers issuing EU qualified certificates
Elektronički potpisi i infrastrukture (ESI) – Zahtjevi općih pravila i zahtjevi sigurnosti za vjerodostojne davatelje usluga certificiranja – 2. dio: Zahtjevi za opća pravila za certifikacijska tijela koja izdaju kvalificirane certifikate

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

- prEN 17645 en
Domestic swimming pools – Environmental performance efficiency – Performance evaluation, methodology, and classification of the use of outdoor pools and their equipment
Bazeni u kućanstvu – Svojstva s obzirom na zaštitu okoliša – Vrednovanje, metode ispitivanja i klasifikacija uporabe vanjskih bazena i njihove opreme
- prEN 17647 en
General principles for manufacturing, filling and holding e-liquids for prefilled containers or products
Opća načela proizvodnje, punjenja i pohrane e-tekućina za prethodno napunjene spremnike i proizvode
- prEN ISO 23999 en
Resilient floor coverings – Determination of dimensional stability and curling after exposure to heat (ISO/DIS 23999:2021)
Elastične podne obloge – Određivanje dimenzijske stabilnosti i valovitosti nakon izlaganja toplini (ISO/DIS 23999:2021)

HZN/TU B1, Graditeljstvo 1

- prEN 16637-1 en
Construction products: Assessment of release of dangerous substances – Part 1: Guidance for the determination of leaching tests and additional testing steps
Građevni proizvodi: Procjena otpuštanja opasnih tvari – 1. dio: Upute za utvrđivanje ispitivanja izlučivanja i dodatnih koraka ispitivanja
- prEN 16637-2 en
Construction products: Assessment of release of dangerous substances – Part 2: Horizontal dynamic surface leaching test
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 2. dio: Horizontalno dinamičko ispitivanje izlučivanja s površine
- prEN 16637-3 en
Construction products: Assessment of release of dangerous substances – Part 3: Horizontal up-flow percolation test
Građevni proizvodi – Procjena otpuštanja opasnih tvari – 3. dio: Horizontalno ispitivanje procjeđivanja tokom prema gore

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

- prEN ISO 18314-4 en
Analytical colorimetry – Part 4: Metamerism index for pairs of samples for change of illuminant (ISO 18314-4:2020)
Analitička kolorimetrija – 4. dio: Indeks metamerizma za parove uzoraka uz promjenu izvora svjetlosti (ISO 18314-4:2020)

HZN/TU I1, Strojstvo 1

- prEN ISO 8528-10 en
Reciprocating internal combustion engine driven current generating sets – Part 10: Measurement of airborne noise by the enveloping surface method (ISO/DIS 8528-10:2021)

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

- prEN ISO 5832-6 en
Implants for surgery – Metallic materials – Part 6: Wrought cobalt-nickel-chromium-molybdenum alloy (ISO/DIS 5832-6:2021)
Kirurški implantati – Metalni materijali – 6. dio: Kovana legura kobalta, nikla, kroma i molibdena (ISO/DIS 5832-6:2021)
- prEN ISO 7494-2 en
Dentistry – Stationary dental units – Part 2: Air, water, suction and wastewater systems (ISO/DIS 7494-2:2021)
Stomatologija – Nepomične stomatološke radne jedinice – 2. dio: Sustavi opskrbe zrakom i vodom, usisavanja i odvodnje (ISO/DIS 7494-2:2021)
- prEN ISO 8536-15 en
Infusion equipment for medical use – Part 15: Light-protective infusion sets for single use (ISO/DIS 8536-15:2021)
Oprema za infuziju za medicinsku primjenu – 15. dio: Pribor za infuziju sa zaštitom od svjetla za jednokratnu upotrebu (ISO/DIS 8536-15:2021)

- prEN ISO 9713 en
Neurosurgical implants – Self-closing intracranial aneurysm clips (ISO/DIS 9713:2021)
Neurokirurški implantati – Samozatvarajuće stezaljke za upotrebu kod intrakranijske aneurizme (ISO/DIS 9713:2021)

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

- prEN 2213 en
Aerospace series – Steel 15CrMoV6 (1.7334) – Air melted – Hardened and tempered – Bars – De ≤ 16 mm – 980 MPa ≤ Rm ≤ 1 180 MPa
- prEN 2252 en
Aerospace series – Steel 15CrMoV6 (1.7334) – Forgings – Bars – De ≤ 100 mm – 1 080 MPa ≤ Rm ≤ 1 250 MPa
- prEN 3523 en
Aerospace series – Steel 15CrMoV6 (1.7334) – Air melted – Hardened and tempered – Bar for machining – De ≤ 100 mm – 1 080 MPa ≤ Rm ≤ 1 280 MPa
Zrakoplovstvo – Čelik 15CrMoV6 (1.7334) – Taljen na zraku – Kaljen i termički obrađen – Šipke za strojnu obradu – De ≤ 100 mm – 1080 MPa ≤ Rm ≤ 1280 MPa
- prEN 16602-30-11 en
Space product assurance – Derating – EEE components
Osiguravanje kvalitete proizvoda za upotrebu u svemiru – Projektiranje s povećanom radnom sigurnošću dijelova – EEE dijelovi
- prEN 16603-50-16 en
Space engineering – Time triggered Ethernet
- EN 17406:2020/prA1 en
Classification for bicycles usage
Klasifikacija bicikala prema namjeni

HZN/TU V1, Elektronika 1

- prEN IEC 61189-2-807:2021 en
Test methods for electrical materials, printed board and other interconnection structures and assemblies – Part 2-807: Test methods for materials for interconnection structures – Decomposition Temperature (Td) using TGA (IEC 61189-2-807:202X)
- prEN IEC 61340-5-3:2021 en
Electrostatics – Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classification for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:202X)
- prEN IEC 61753-101-3:2021 en
Fibre optic interconnecting devices and passive components performance standard – Part 101-3: Fibre management systems for Category OP – Outdoor Protected environment (IEC 61753-101-3:202X)
- prEN IEC 61753-111-7:2021 en
Fibre optic interconnecting devices and passive components performance standard – Part 111- 07: Sealed closures for category A – Aerial (IEC 61753-111-7:202X)
- prEN IEC 61753-111-9:2021 en
Fibre optic interconnecting devices and passive components performance standard – Part 111-9: Sealed closures for category S – Subterranean (IEC 61753-111-9:202X)
- prEN IEC 61753-131-03:2021 en
Fibre optic interconnecting devices and passive components – Performance standard – Part 131-03: Single-mode mechanical fibre splice for category OP – Outdoor Protected environment (IEC 61753-131-03:202X)
- prEN IEC 62788-7-3:2021 en
Measurement procedures for materials used in photovoltaic modules – Part 7-3: Environmental exposures – Accelerated abrasion tests of PV module external surfaces (IEC 62788-7-3:202X)
- prEN IEC 63041-1:2021 en
Piezoelectric sensors – Part 1: Generic specifications (IEC 63041-1:202X)
Piezoelektrični senzori – 1. dio: Opće specifikacije (IEC 63041-1:202X)

prEN IEC 63275-1:2021 en
Semiconductor devices – Reliability test method for silicon carbide discrete metal-oxide semiconductor field effect transistors – Part 1: Test method for bias temperature instability (IEC 63275-1:202X)

prEN IEC 63275-2:2021 en
Semiconductor devices – Reliability test method for silicon carbide discrete metal-oxide semiconductor field effect transistors – Part 2: Test method for bipolar degradation due to body diode operation (IEC 63275-2:202X)

prEN IEC 63284:2021 en
Semiconductor devices – Reliability test method by inductive load switching for gallium nitride transistors (IEC 63284:202X)

HZN/TU W1, Energetska elektrotehnika 1

EN 50342-1:2015/prA2 en
Lead-acid starter batteries – Part 1: General requirements and methods of test
Olovni akumulatori za pokretanje – 1. dio: Opći zahtjevi i metode ispitivanja

prEN IEC 62660-3:2021 en
Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 3: Safety requirements (IEC 62660-3:202X)
Sekundarni litij-ionski članci za pogon električnih cestovnih vozila – 3. dio: Sigurnosni zahtjevi (IEC 62660-3:202X)

1.4 Povučene hrvatske norme

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

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

HZN/TO 5, Metalne cijevi i priključci

HRN EN 13555:2014 en
Prirubnice i njihovi spojevi – Parametri brtvi i postupci ispitivanja relevantni za projektiranje prirubničkih spojeva s kružnim prirubnicama i brtvom (EN 13555:2014)
Flanges and their joints – Gasket parameters and test procedures relevant to the design rules for gasketed circular flange connections (EN 13555:2014)
- zamijenjena s: HRN EN 13555:2021

HZN/TO 22, Cestovna vozila

HRN EN 13423:2008 en
Postupanje s vozilom na stlačeni prirodni plin (EN 13423:2000)
Compressed natural gas vehicle operations (EN 13423:2000)
- zamijenjena s: HRN EN 13423:2021

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

HRN EN 1853:2017 en
Poljoprivredna mehanizacija – Prikolice – Sigurnost (EN 1853:2017)
Agricultural machinery – Trailers – Safety (EN 1853:2017)
- zamijenjena s: HRN EN 1853:2021

HZN/TO 28, Naftni proizvodi i maziva

HRN EN 16942:2016 en
Goriva – Identifikacija kompatibilnosti vozila – Grafički prikaz informacija za potrošače (EN 16942:2016)
Fuels – Identification of vehicle compatibility – Graphical expression for consumer information (EN 16942:2016)
- zamijenjena s: HRN EN 16942:2021

HZN/TO 34, Poljoprivredni i prehrambeni proizvodi

HRN EN ISO 6540:2010 en
Kukuruz – Određivanje udjela vlage (mljevenog i cijelog zrnja) (ISO 6540:1980; EN ISO 6540:2010)
Maize – Determination of moisture content (on milled grains and on whole grains) (ISO 6540:1980; EN ISO 6540:2010)
- zamijenjena s: HRN EN ISO 6540:2021

HZN/TO 37, Terminologija

HRN ISO 22259:2020 en
Konferencijski sustavi – Oprema – Zahtjevi (ISO 22259:2019)
Conference systems – Equipment – Requirements (ISO 22259:2019)
- zamijenjena s: HRN EN ISO 22259:2021

HZN/TO 44, Zavarivanje i srodni postupci

HRN EN ISO 13919-2:2002 en
Zavarivanje – Zavari izvedeni elektronskim snopom i laserom – Upute za razine kakvoće s obzirom na nepravilnosti – 1. dio: Aluminij i njegove zavarive legure (ISO 13919-2:2001; EN ISO 13919-2:2001)
Welding – Electron and laser beam welded joints – Guidance on quality levels for imperfections – Part 2: Aluminium and its weldable alloys (ISO 13919-2:2001; EN ISO 13919-2:2001)
- zamijenjena s: HRN EN ISO 13919-2:2021

HRN EN ISO 13919-2:2002/A1:2008 en
Zavarivanje – Zavari izvedeni elektronskim snopom i laserom – Upute za razine kvalitete s obzirom na nepravilnosti – 2. dio: Aluminij i njegove zavarljive legure (EN ISO 13919-2:2001/A1:2003)
Welding – Electron and laser beam welded joints – Guidance on quality levels for imperfections – Part 2: Aluminium and its weldable alloys (EN ISO 13919-2:2001/A1:2003)
- zamijenjena s: HRN EN ISO 13919-2:2021

HRN EN ISO 18595:2008 en
Elektrotoporno zavarivanje – Točkasto zavarivanje aluminija i aluminijevih legura – Zavarljivost, zavarivanje i ispitivanje (ISO 18595:2007; EN ISO 18595:2007)
Resistance welding – Spot welding of aluminium and aluminium alloys – Weldability, welding and testing (ISO 18595:2007; EN ISO 18595:2007)
- zamijenjena s: HRN EN ISO 18595:2021

HZN/TO 92, Zaštita od požara

HRN EN 1366-4:2011 en
Ispitivanja otpornosti na požar servisnih instalacija – 4. dio: Brtve linearnih spojeva (EN 1366-4:2006+A1:2010)
Fire resistance tests for service installations – Part 4: Linear joint seals (EN 1366-4:2006+A1:2010)
- zamijenjena s: HRN EN 1366-4:2021

HZN/TO 120, Koža i obuća

HRN EN ISO 17226-1:2019 en
Koža – Kemijsko određivanje sadržaja formaldehida – 1. dio: Metoda tekućinske kromatografije visokog učinka (HPLC) (ISO 17226-1:2018; EN ISO 17226-1:2019)
Leather – Chemical determination of formaldehyde content – Part 1: Method using high performance liquid chromatography (ISO 17226-1:2018; EN ISO 17226-1:2019)
- zamijenjena s: HRN EN ISO 17226-1:2021

HZN/TO 134, Gnojiva i poboljšivači tla

HRN ISO 5316:2001 hr
Gnojiva – Ekstrakcija vodotopivog fosfata (ISO 5316:1977)
Fertilizers – Extraction of water-soluble phosphates (ISO 5316:1977)
- bez zamjene

HRN ISO 7409:1998 hr
Gnojiva – Označavanje – Predstavljanje i deklariranje (ISO 7409:1984)
Fertilizers – Marking – Presentation and declarations (ISO 7409:1984)
- zamijenjena s: HRN ISO 7409:2021

HZN/TO 146, Kvaliteta zraka

HRN EN 482:2015 en
Profesionalna izloženost – Opći zahtjevi za provođenje postupaka mjerenja kemijskih tvari (EN 482:2012+A1:2015)
Workplace exposure – General requirements for the performance of procedures for the measurement of chemical agents (EN 482:2012+A1:2015)
- zamijenjena s: HRN EN 482:2021

HZN/TO 165, Drvene konstrukcije

HRN EN 16351:2015 en
Drvene konstrukcije – Križno laminirano drvo – Zahtjevi (EN 16351:2015)
Timber structures – Cross laminated timber – Requirements (EN 16351:2015)
- zamijenjena s: HRN EN 16351:2021

HZN/TO 503, Metalni materijali

HRN EN ISO 12004-2:2008 en
Metalni materijali – Lim i traka – Određivanje krivulja granice oblikovanja – 2. dio: Određivanje krivulja granice oblikovanja u laboratoriju (ISO 12004-2:2008; EN ISO 12004-2:2008)
Metallic materials – Sheet and strip – Determination of forming-limit curves – Part 2: Determination of forming-limit curves in the laboratory (ISO 12004-2:2008; EN ISO 12004-2:2008)
- zamijenjena s: HRN EN ISO 12004-2:2021

HZN/TO 524, Inteligentni transportni sustavi

HRN EN ISO 14819-2:2014 en
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 2. dio: Kodovi za događaje i informacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-2:2013; EN ISO 14819-2:2013)
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 2: Event and information codes for Radio Data System – Traffic Message Channel (RDS-TMC) using ALERT-C (ISO 14819-2:2013; EN ISO 14819-2:2013)
- zamijenjena s: HRN EN ISO 14819-2:2021

HRN EN ISO 14819-3:2014 en
Inteligentni transportni sustavi – Informativne poruke o prometu i putovanju u sustavu kodiranja prometnih informacija – 3. dio: Određivanje lokacije u sustavu prijenosa podataka putem radija – Uporaba ALERT-C u kanalu za prijenos podataka o prometu (RDS-TMC) (ISO 14819-3:2013; EN ISO 14819-3:2013)
Intelligent transport systems – Traffic and travel information messages via traffic message coding – Part 3: Location referencing for Radio Data System – Traffic message Channel (RDS-TMC) using ALERT-C (ISO 14819-3:2013; EN ISO 14819-3:2013)
- zamijenjena s: HRN EN ISO 14819-3:2021

HZN/TO 528, Oprema za željeznice

HRN EN 15624:2011 en
Željeznički sustav – Kočenje – Mjenjač prazno-tovareno (EN 15624:2008+A1:2010)
Railway applications – Braking – Empty-loaded changeover devices (EN 15624:2008+A1:2010)
- zamijenjena s: HRN EN 15624:2021

HRN EN 15625:2011 en
Željeznički sustav – Kočenje – Uređaj za automatsko praćenje izmjena opterećenja (EN 15625:2008+A1:2010)
Railway applications – Braking – Automatic variable load sensing devices (EN 15625:2008+A1:2010)
- zamijenjena s: HRN EN 15625:2021

HZN/TO 531, Plastika i guma

HRN EN ISO 1060-1:2008 en
Plastika – Homopolimerne i kopolimerne smole vinil-klorida – 1. dio: Sustav označavanja i osnova za specifikacije (ISO 1060-1:1998; EN ISO 1060-1:1999)
Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 1: Designation system and basis for specifications (ISO 1060-1:1998; EN ISO 1060-1:1999)
- zamijenjena s: HRN EN ISO 24024-1:2021

HRN EN ISO 1060-2:2008 en
Plastika – Homopolimerne i kopolimerne smole vinil-klorida – 2. dio: Priprema ispitaka i određivanje svojstava (ISO 1060-2:1998; EN ISO 1060-2:1999)
Plastics – Homopolymer and copolymer resins of vinyl chloride – Part 2: Preparation of test samples and determination of properties (ISO 1060-2:1998; EN ISO 1060-2:1999)
- zamijenjena s: HRN EN ISO 24024-2:2021

HRN EN ISO 6721-3:2008 en
Plastika – Određivanje dinamičkih mehaničkih svojstava – 3. dio: Savojna vibracija – Metoda rezonantne krivulje (ISO 6721-3:1994+Cor 1:1995; EN ISO 6721-3:1996)
Plastics – Determination of dynamic mechanical properties – Part 3: Flexural vibration – Resonance-curve method (ISO 6721-3:1994+Cor 1:1995; EN ISO 6721-3:1996)
- zamijenjena s: HRN EN ISO 6721-3:2021

HRN EN ISO 11357-4:2014 en
Plastika – Diferencijalna pretražna kalorimetrija – 4. dio: Određivanje specifičnog toplinskog kapaciteta (ISO 11357-4:2014; EN ISO 11357-4:2014)
Plastics – Differential scanning calorimetry (DSC) – Part 4: Determination of specific heat capacity (ISO 11357-4:2014; EN ISO 11357-4:2014)
- zamijenjena s: HRN EN ISO 11357-4:2021

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

HRN EN 22768-2:2008 en
Opće tolerancije – 2. dio: Geometrijske tolerancije za značajke bez pojedinačnih oznaka tolerancije (ISO 2768-2:1989; EN 22768-2:1993)
General tolerances – Part 2: Geometrical tolerances for features without individual tolerance indications (ISO 2768-2:1989; EN 22768-2:1993)
- zamijenjena s: HRN EN ISO 22081:2021

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

HRN EN 13321-1:2013 en
Otvorena podatkovna komunikacija u automatizaciji zgrada, nadzor i upravljanje zgradama – Elektronički sustavi za obiteljske kuće i zgrade – 1. dio: Zahtjevi za proizvode i sustave (EN 13321-1:2012)
Open data communication in building automation, controls and building management – Home and building electronic system – Part 1: Product and system requirements (EN 13321-1:2012)
- zamijenjena s: HRN EN 13321-1:2021

HRN EN 16947-1:2017 en
Energijska svojstva zgrada – Sustav upravljanja zgradama – 1. dio: Modul M10-12 (EN 16947-1:2017)
Energy Performance of Buildings – Building Management System – Part 1: Module M10-12 (EN 16947-1:2017)
- zamijenjena s: HRN EN ISO 52127-1:2021

HZN/TO 544, Strojni elementi

HRN ISO 5593:2013 en,fr,ru
Valjni ležajevi – Terminološki rječnik (ISO 5593:1997+Amd 1:2007)
Rolling bearings – Vocabulary (ISO 5593:1997+Amd 1:2007)
- zamijenjena s: HRN ISO 5593:2021

HRN ISO 5598:2013 en,fr,de
Hidraulični i pneumatski sustavi i sastavnice – Terminološki rječnik (ISO 5598:2008)
Fluid power systems and components – Vocabulary (ISO 5598:2008)
- zamijenjena s: HRN ISO 5598:2021

HRN ISO 6336-1:2009 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 1. dio: Temeljna načela, uvod i opći utjecajni faktori (ISO 6336-1:2006)
Calculation of load capacity of spur and helical gears – Part 1: Basic principles, introduction and general influence factors (ISO 6336-1:2006)
- zamijenjena s: HRN ISO 6336-1:2021

HRN ISO 6336-2:2009 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 2. dio: Proračun nosivosti boka zuba (rupičenje) (ISO 6336-2:2006)
Calculation of load capacity of spur and helical gears – Part 2: Calculation of surface durability (pitting) (ISO 6336-2:2006)
- zamijenjena s: HRN ISO 6336-1:2021

- HRN ISO 6336-3:2009 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 3. dio: Proračun nosivosti korijena zuba (ISO 6336-3:2006)
Calculation of load capacity of spur and helical gears – Part 3: Calculation of tooth bending strength (ISO 6336-3:2006)
- zamijenjena s: HRN ISO 6336-3:2021
- HRN ISO 6336-3:2009/Ispr.1:2013 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 3. dio: Proračun nosivosti korijena zuba (ISO 6336-3:2006/Cor 1:2008)
Calculation of load capacity of spur and helical gears – Part 3: Calculation of tooth bending strength (ISO 6336-3:2006/Cor 1:2008)
- zamijenjena s: HRN ISO 6336-3:2021
- HRN ISO 6336-6:2009 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 6. dio: Proračun trajnosti pod promjenljivim opterećenjem (ISO 6336-6:2006)
Calculation of load capacity of spur and helical gears – Part 6: Calculation of service life under variable load (ISO 6336-6:2006)
- zamijenjena s: HRN ISO 6336-6:2021
- HRN ISO 6336-6:2009/Ispr.1:2009 en
Proračun nosivosti cilindričnih zupčanika s ravnim ili kosim zubima – 6. dio: Proračun trajnosti pod promjenljivim opterećenjem (ISO 6336-6:2006/Cor 1:2007)
Calculation of load capacity of spur and helical gears – Part 6: Calculation of service life under variable load (ISO 6336-6:2006/Cor 1:2007)
- zamijenjena s: HRN ISO 6336-6:2021
- HRN ISO 7146-1:2011 en
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Općenito (ISO 7146-1:2008)
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 1: General (ISO 7146-1:2008)
- zamijenjena s: HRN ISO 7146-1:2021
- HRN ISO 7146-2:2011 en
Klizni ležajevi – Izgled i karakterizacija oštećenja metalnih hidrodinamičkih ležajeva – 1. dio: Kavitacijska erozija i protumjere (ISO 7146-2:2008)
Plain bearings – Appearance and characterization of damage to metallic hydrodynamic bearings – Part 2: Cavitation erosion and its countermeasures (ISO 7146-2:2008)
- zamijenjena s: HRN ISO 7146-2:2021
- HRN ISO 7902-2:2008 en
Hidrodinamički klizni ležajevi u ustaljenome radu – Kružno cilindrični ležajevi – 2. dio: Funkcije upotrijebljene u postupku izračunavanja (ISO 7902-2:1998)
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 2: Functions used in the calculation procedure (ISO 7902-2:1998)
- zamijenjena s: HRN ISO 7902-2:2021
- HRN ISO 7902-3:2008 en
Hidrodinamički klizni ležajevi u ustaljenome radu – Kružno-cilindrični ležajevi – 3. dio: Dopusteni radni parametri (ISO 7902-3:1998)
Hydrodynamic plain journal bearings under steady-state conditions – Circular cylindrical bearings – Part 3: Permissible operational parameters (ISO 7902-3:1998)
- zamijenjena s: HRN ISO 7902-3:2021
- HRN ISO 7905-3:2008 en
Klizni ležajevi – Oštećenja ležajeva – 3. dio: Ispitivanje materijala kod ležaja izrađenih iz višeslojnih kliznih metalnih traka (ISO 7905-3:1995)
Plain bearings – Bearing fatigue – Part 3: Test on plain strips of a metallic multilayer bearing material (ISO 7905-3:1995)
- zamijenjena s: HRN ISO 7905-3:2021
- HRN ISO 11687-1:2008 en
Klizni ležajevi – Ležajni sklopovi – 1. dio: Ležajevi s podnožjem (ISO 11687-1:1995)
Plain bearings – Pedestal plain bearings – Part 1: Pillow blocks (ISO 11687-1:1995)
- zamijenjena s: HRN ISO 11687-1:2021
- HRN ISO 11687-2:2008 en
Klizni ležajevi – Ležajni sklopovi – 2. dio: Ležajevi s bočnom prirubnicom (ISO 11687-2:1995)
Plain bearings – Pedestal plain bearings – Part 2: Side flange bearings (ISO 11687-2:1995)
- zamijenjena s: HRN ISO 11687-2:2021
- HRN ISO 11687-3:2008 en
Klizni ležajevi – Ležajni sklopovi – 3. dio: Ležajevi sa središnjom prirubnicom (ISO 11687-3:1995)
Plain bearings – Pedestal plain bearings – Part 3: Centre flange bearings (ISO 11687-3:1995)
- zamijenjena s: HRN ISO 11687-3:2021
- HRN ISO 12128:2008 en
Klizni ležajevi – Provrti, kanali i utori za podmazivanje – Mjere, vrste, označavanje i primjena kod ležajnih čahura (ISO 12128:2001)
Plain bearings – Lubrication holes, grooves and pockets – Dimensions, types, designation and their application to bearing bushes (ISO 12128:2001)
- zamijenjena s: HRN ISO 12128:2021
- HRN ISO 12129-1:2008 en
Klizni ležajevi – 1. dio: Dosjedi (ISO 12129-1:1995)
Plain bearings – Part 1: Fits (ISO 12129-1:1995)
- zamijenjena s: HRN ISO 12129-1:2021
- HRN ISO 12129-2:2008 en
Klizni ležajevi – 2. dio: Tolerancije oblika i položaja i hrapavost površina za osovine, prirubnice i odzivne prstenove (ISO 12129-2:1995)
Plain bearings – Part 2: Tolerances on form and position and surface roughness for shafts, flanges and thrust collars (ISO 12129-2:1995)
- zamijenjena s: HRN ISO 12129-2:2021
- HRN ISO 12130-3:2008 en
Klizni ležajevi – Hidrodinamički odzivni ležaj s nagibnim klizačima u ustaljenome radu – 3. dio: Granične vrijednosti za izračunavanje odzivnog ležaja s nagibnim klizačima (ISO 12130-3:2001)
Plain bearings – Hydrodynamic plain tilting pad thrust bearings under steady-state conditions – Part 3: Guide values for the calculation of tilting pad thrust bearings (ISO 12130-3:2001)
- zamijenjena s: HRN ISO 12130-3:2021
- HRN ISO 12131-1:2008 en
Klizni ležajevi – Hidrodinamički odzivni ležaj s nepomičnim klizačima u ustaljenome radu – 1. dio: Postupak izračunavanja odzivnog ležaja s nepomičnim klizačima (ISO 12131-1:2001)
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 1: Calculation of thrust pad bearings (ISO 12131-1:2001)
- zamijenjena s: HRN ISO 12131-1:2021
- HRN ISO 12131-3:2008 en
Klizni ležajevi – Hidrodinamički odzivni ležaj s nepomičnim klizačima u ustaljenome radu – 3. dio: Granične vrijednosti za izračunavanje odzivnog ležaja s nepomičnim klizačima (ISO 12131-3:2001)
Plain bearings – Hydrodynamic plain thrust pad bearings under steady-state conditions – Part 3: Guide values for the calculation of thrust pad bearings (ISO 12131-3:2001)
- zamijenjena s: HRN ISO 12131-3:2021
- HRN ISO 12168-1:2008 en
Klizni ležajevi – Hidrostatski radijalni klizni ležajevi bez odvodnih kanala – 1. dio: Proračun radijalnih kliznih ležajeva podmazivanih uljem bez odvodnih kanala (ISO 12168-1:2001)
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 1: Calculation of oil-lubricated plain journal bearings without drainage grooves (ISO 12168-1:2001)
- zamijenjena s: HRN ISO 12168-1:2021
- HRN ISO 12168-2:2008 en
Klizni ležajevi – Hidrostatski radijalni klizni ležajevi bez odvodnih kanala – 2. dio: Karakteristične vrijednosti za proračun radijalnih kliznih ležajeva podmazivanih uljem bez odvodnih kanala (ISO 12168-2:2001)
Plain bearings – Hydrostatic plain journal bearings without drainage grooves under steady-state conditions – Part 2: Characteristic values for the calculation of oil-lubricated plain journal bearings without drainage grooves (ISO 12168-2:2001)
- zamijenjena s: HRN ISO 12168-2:2021

HRN ISO 12303:2008 en
Klizni ležajevi – Značajke kvalitete – Izračunavanje mogućnosti stroja i procesa (ISO 12303:1995)
Plain bearings – Quality characteristics – Calculation of machine and process capabilities (ISO 12303:1995)
- bez zamjene

HZN/TO 557, Zaštitna odjeća

HRN EN 13356:2003 en
Dodaci za vidljivost za neprofesionalnu uporabu – Zahtjevi i metode ispitivanja (EN 13356:2001)
Visibility accessories for non-professional use – Test methods and requirements (EN 13356:2001)
- zamijenjena s: HRN EN 17353:2020

HZN/TO 558, Zaštita dišnih putova

HRN EN 143/A1:2007 hr
Zaštitne naprave za disanje – Filtri za čestice – Zahtjevi, ispitivanje, označavanje (EN 143:2000/A1:2006)
Respiratory protective devices – Particle filters – Requirements, testing, marking (EN 143:2000/A1:2006)
- zamijenjena s: HRN EN 143:2021

HRN EN 143:2005 hr
Zaštitne naprave za disanje – Filtri za čestice – Zahtjevi, ispitivanje, označavanje (EN 143:2000+AC:2005)
Respiratory protective devices – Requirements, testing, marking (EN 143:2000+AC:2005)
- zamijenjena s: HRN EN 143:2021

HRN EN 14387:2008 en
Zaštitne naprave za disanje – Filtar(filtri) za plin i kombinirani filtar(filtri) – Zahtjevi, ispitivanje, označavanje (EN 14387:2004+A1:2008)
Respiratory protective devices – Gas filter(s) and combined filter(s) – Requirements, testing, marking (EN 14387:2004+A1:2008)
- zamijenjena s: HRN EN 14387:2021

HZN/TO 560, Tekstilni proizvodi

HRN EN ISO 9073-4:2005 en
Tekstil – Metode ispitivanja netkanog tekstila – 4. dio: Određivanje otpornosti na cijepanje (ISO 9073-4:1997; EN ISO 9073-4:1997)
Textiles – Test methods for nonwovens – Part 4: Determination of tear resistance (ISO 9073-4:1997; EN ISO 9073-4:1997)
- zamijenjena s: HRN EN ISO 9073-4:2021

HZN/TO 563, Sigurnost strojeva

HRN EN 349:2008 en
Sigurnost strojeva – Najmanji razmaci za sprječavanje zgnječenja (uguravanja) dijelova ljudskog tijela (EN 349:1993+A1:2008)
Safety of machinery – Minimum gaps to avoid crushing of parts of the human body (EN 349:1993+A1:2008)
- zamijenjena s: HRN EN ISO 13854:2021

HRN EN 574:2008 en
Sigurnost strojeva – Dvoručni upravljački uređaji – Funkcionalni aspekti – Načela za projektiranje (EN 574:1996+A1:2008)
Safety of machinery – Two-hand control devices – Functional aspects – Principles for design (EN 574:1996+A1:2008)
- zamijenjena s: HRN EN ISO 13851:2021

HRN EN 12042:2014 en
Strojevi za preradu hrane – Automatski odjeljivači tijesta – Sigurnosni i higijenski zahtjevi (EN 12042:2014)
Food processing machinery – Automatic dough dividers – Safety and hygiene requirements (EN 12042:2014)
- zamijenjena s: HRN EN 12042:2021

HRN EN ISO 13857:2008 en
Sigurnost strojeva – Sigurnosne udaljenosti radi sprečavanja dosezanja opasnih područja gornjim i donjim ekstremitetima (ISO 13857:2008; EN ISO 13857:2008)
Safety of machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857:2008; EN ISO 13857:2008)
- zamijenjena s: HRN EN ISO 13857:2021

HZN/TO 579, Robotika, sustavi automatizacije i integracije

HRI CR 1830:2009 en
Arhitektura CIM sustava – Terminološki rječnik (CR 1830:1995)
CIM Systems Architecture – Vocabulary (CR 1830:1995)
- bez zamjene

HRI CR 1831:2009 en
Arhitektura CIM sustava – Provedba modela poduzeća i integrirajuće djelatnosti – Evaluacijski izvještaj (CR 1831:1995)
CIM Systems Architecture – Enterprise model execution and integration services – Evaluation report (CR 1831:1995)
- bez zamjene

HRI CR 1832:2009 en
Arhitektura CIM sustava – Provedba modela poduzeća i integrirajuće djelatnosti – Izjava o zahtjevima (CR 1832:1995)
CIM Systems Architecture – Enterprise model execution and integration services – Statement of requirements (CR 1832:1995)
- bez zamjene

HZN/TO E36, Izolatori

HRN EN 62199:2008 en
Provodni izolatori za istosmjerne primjene (IEC 62199:2004; EN 62199:2004)
Bushings for d.c. application (IEC 62199:2004; EN 62199:2004)
- zamijenjena s: HRN EN IEC/IEEE 65700:2018

HZN/TO E38, Mjerni transformatori

HRN EN 60044-7:2001 en
Mjerni transformatori – 7. dio: Elektronički naponski transformatori (IEC 60044-7:1999; EN 60044-7:2000)
Instrument transformers – Part 7: Electronic voltage transformers (IEC 60044-7:1999; EN 60044-7:2000)
- zamijenjena s: HRN EN 61869-6:2017

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

HRN EN 61784-3-13:2011 en
Industrijske komunikacijske mreže – Profili – Dio 3-13: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 13 (IEC 61784-3-13:2010; EN 61784-3-13:2010)
Industrial communication networks – Profiles – Part 3-13: Functional safety fieldbuses – Additional specifications for CPF 13 (IEC 61784-3-13:2010; EN 61784-3-13:2010)
- zamijenjena s: HRN EN 61784-3-13:2018

HRN EN 61784-3-2:2011 en
Industrijske komunikacijske mreže – Profili – Dio 3-2: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 2 (IEC 61784-3-2:2010; EN 61784-3-2:2010)
Industrial communication networks – Profiles – Part 3-2: Functional safety fieldbuses – Additional specifications for CPF 2 (IEC 61784-3-2:2010; EN 61784-3-2:2010)
- zamijenjena s: HRN EN 61784-3-2:2017

HRN EN 61784-3-3:2011 en
Industrijske komunikacijske mreže – Profili – Dio 3-3: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 3 (IEC 61784-3-3:2010; EN 61784-3-3:2010)
Industrial communication networks – Profiles – Part 3-3: Functional safety fieldbuses – Additional specifications for CPF 3 (IEC 61784-3-3:2010; EN 61784-3-3:2010)
- zamijenjena s: HRN EN 61784-3-3:2018

HRN EN 61784-3-8:2011 en
Industrijske komunikacijske mreže – Profili – Dio 3-8: Industrijske sabirnice (fieldbus) za funkcijsku sigurnost – Dodatne specifikacije za CPF 8 (IEC 61784-3-8:2010; EN 61784-3-8:2010)
Industrial communication networks – Profiles – Part 3-8: Functional safety fieldbuses – Additional specifications for CPF 8 (IEC 61784-3-8:2010; EN 61784-3-8:2010)
- zamijenjena s: HRN EN 61784-3-8:2018

HRN EN 61804-2:2010 en
Funkcijski blokovi (FB) za vođenje procesa – 2. dio: Specifikacija koncepcije funkcijskih blokova (IEC 61804-2:2006; EN 61804-2:2007)
Function blocks (FB) for process control – Part 2: Specification of FB concept (IEC 61804-2:2006; EN 61804-2:2007)
- zamijenjena s: HRN EN IEC 61804-2:2018

HRN EN 62439-3:2014 en

Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 3. dio: Protokol usporedne zalihosti (PRP) i neograničene zalihosti velike raspoloživosti (HSR) (IEC 62439-3:2012; EN 62439-3:2012)
Industrial communication networks – High availability automation networks – Part 3: Parallel Redundancy Protocol (PRP) and High availability Seamless Redundancy (HSR) (IEC 62439-3:2012; EN 62439-3:2012)
- zamijenjena s: HRN EN IEC 62439-3:2018

HRN EN 62439-5:2011 en

Industrijske komunikacijske mreže – Automacijske mreže velike raspoloživosti – 5. dio: Protokol zalihosti signala (IEC 62439-5:2010; EN 62439-5:2010)
Industrial communication networks – High availability automation networks – Part 5: Beacon Redundancy Protocol (BRP) (IEC 62439-5:2010; EN 62439-5:2010)
- zamijenjena s: HRN EN IEC 62439-5:2018

HRN EN 62453-302:2010 en

Specifikacija sučelja alata za uređaje u postrojenju (FDT) – 302. dio: Integracija komunikacijskog profila – IEC 61784 CPF 2 (IEC 62453-302:2009; EN 62453-302:2009)
Field device tool (FDT) interface specification – Part 302: Communication profile integration – IEC 61784 CPF 2 (IEC 62453-302:2009; EN 62453-302:2009)
- zamijenjena s: HRN EN 62453-302:2018

HRN EN 62453-309:2010 en

Specifikacija sučelja alata za uređaje u postrojenju (FDT) – Dio 309: Integracija komunikacijskog profila – IEC 61784 CPF 9 (IEC 62453-309:2009; EN 62453-309:2009)
Field device tool (FDT) interface specification – Part 309: Communication profile integration – IEC 61784 CPF 9 (IEC 62453-309:2009; EN 62453-309:2009)
- zamijenjena s: HRN EN 62453-309:2018

HZN/TO E79, Alarmni sustavi

HRN EN 50131-2-5:2010 en

Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore (EN 50131-2-5:2008)
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors (EN 50131-2-5:2008)
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HRN EN 50131-2-5:2010/IS1:2014 en

Alarmni sustavi – Protuprovalni i protuprepadni sustavi – Dio 2-5: Zahtjevi za kombinirane pasivne infracrvene i ultrazvučne detektore (EN 50131-2-5:2008/IS1:2014)
Alarm systems – Intrusion and hold-up systems – Part 2-5: Requirements for combined passive infrared and ultrasonic detectors (EN 50131-2-5:2008/IS1:2014)
- bez zamjene

HRS CLC/TS 50398:2009 en

Alarmni sustavi – Kombinirani i integrirani alarmni sustavi – Opći zahtjevi (CLC/TS 50398:2009)
Alarm systems – Combined and integrated alarm systems – General requirements (CLC/TS 50398:2009)
- zamijenjena s: HRN EN 50398-1:2017

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

HRN EN 60051-5:2008 en

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 5. dio: Posebni zahtjevi za mjerila faze, mjerila faktora snage i sinkroskope (IEC 60051-5:1985; EN 60051-5:1989)
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 5: Special requirements for phase meters, power factor meters and synchrosopes (IEC 60051-5:1985; EN 60051-5:1989)
- zamijenjena s: HRN EN IEC 60051-5:2018

HRN EN 60051-6:2008 en

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 6. dio: Posebni zahtjevi za ommetre (mjerila impedancije) i mjerila vodljivosti (IEC 60051-6:1984; EN 60051-6:1989)
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 6: Special requirements for ohmmeters (impedance meters) and conductance meters (IEC 60051-6:1984; EN 60051-6:1989)
- zamijenjena s: HRN EN IEC 60051-6:2018

HRN EN 60051-7:2008 en

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 7. dio: Posebni zahtjevi za instrumente s više funkcija (IEC 60051-7:1984; EN 60051-7:1989)
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 7: Special requirements for multi-function instruments (IEC 60051-7:1984; EN 60051-7:1989)
- zamijenjena s: HRN EN IEC 60051-7:2018

HRN EN 60051-8:2008 en

Pokazni analogni električni mjerni instrumenti s izravnim djelovanjem i njihov pribor – 8. dio: Posebni zahtjevi za pribor (IEC 60051-8:1984; EN 60051-8:1989)
Direct acting indicating analogue electrical measuring instruments and their accessories – Part 8: Special requirements for accessories (IEC 60051-8:1984; EN 60051-8:1989)
- zamijenjena s: HRN EN IEC 60051-8:2018

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

HRS CLC/TS 50083-3-3:2014 en

Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – Dio 3-3: Aktivna širokopojasna oprema za kabelske mreže – Metode mjerenja najviše radne izlazne razine u povratnom smjeru (CLC/TS 50083-3-3:2014)
Cable networks for television signals; sound signals and interactive services – Part 3-3: Active wideband equipment for cable networks – Methods of measurement of the maximum operating output level in the return path (CLC/TS 50083-3-3:2014)
- zamijenjena s: HRN EN IEC 60728-3:2018

HRN EN 60728-3-1:2014 en

Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – Dio 3-1: Metode mjerenja nelinearnosti za cjelokupni digitalni kanal opterećen DVB signalima (IEC 60728-3-1:2012; EN 60728-3-1:2012)
Cable networks for television signals, sound signals and interactive services – Part 3-1: Methods of measurement of non-linearity for full digital channel load with DVB-C signals (IEC 60728-3-1:2012; EN 60728-3-1:2012)
- zamijenjena s: HRN EN IEC 60728-3:2018

HRN EN 60728-3:2012 en

Kabelske mreže za televizijske signale, zvučne signale i usluge uzajamnog djelovanja – 3. dio: Aktivna širokopojasna oprema za mreže suosnih kabela (IEC 60728-3:2010; EN 60728-3:2011)
Cable networks for television signals, sound signals and interactive services – Part 3: Active wideband equipment for cable networks (IEC 60728-3:2010; EN 60728-3:2011)
- zamijenjena s: HRN EN IEC 60728-3:2018

HRN EN 62680-1-2:2017 en

Sučelja univerzalnih serijskih sabirnica za podatke i napajanje – Dio 1-2: Opći dijelovi – Specifikacija USB-a za isporuku energije (IEC 62680-1-2:2016; 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; EN 62680-1-2:2017)
- zamijenjena s: HRN EN 62680-1-2:2018

HRN EN 62680-1-3:2016 en

Sučelja univerzalne serijske sabirnice za podatke i napajanje – Dio 1-3: Sučelja univerzalnih serijskih sabirnica – Opći dijelovi – Specifikacija kabela i konektora za USB tipa CTM (IEC 62680-1-3:2016; EN 62680-1-3:2016)
Universal serial bus interfaces for data and power – Part 1-3: Universal Serial Bus interfaces – Common components – USB Type-CTM cable and connector specification (IEC 62680-1-3:2016; EN 62680-1-3:2016)
- zamijenjena s: HRN EN 62680-1-3:2018

HRN EN 62684:2011 en

Interoperability specifications of common external power supply (EPS) for use with data-enabled mobile telephones (IEC 62684:2011; EN 62684:2010)
- zamijenjena s: HRN EN IEC 62684:2018

HRN EN 62731:2014 en

Pretvorba teksta u govor namijenjena televiziji – Opći zahtjevi (TC 100) (IEC 62731:2013; EN 62731:2013)
Text-to-speech for television – General requirements (IEC 62731:2013; EN 62731:2013)
- zamijenjena s: HRN EN IEC 62731:2018

HZN/TO E103, Odašiljačka oprema za radiokomunikacije

- HRN HD 577 S1:2008 en
Normizacija povezivanja radiodifuzijskih odašiljača ili odašiljačkih sustava i nadzorne opreme – 1. dio: Norme sučelja za sustave koji koriste namjenske međuspojeve (IEC 60864-1:1986+am1:1987; HD 577 S1:1990)
Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment – Part 1: Interface standards for systems using dedicated interconnections (IEC 60864-1:1986+am1:1987; HD 577 S1:1990)
- bez zamjene
- HRN EN 60215:2002 en
Sigurnosni zahtjevi za radioodašiljačku opremu (IEC 60215:1987+A1:1990+A2:1993; EN 60215:1989+A1:1992+A2:1994)
Safety requirements for radio transmitting equipment (IEC 60215:1987+A1:1990+A2:1993; EN 60215:1989+A1:1992+A2:1994)
- bez zamjene
- HRN EN 60244-1:2002 en
Metode mjerenja radioodašiljača – 1. dio: Opće značajke radiodifuzijskih odašiljača (IEC 60244-1:1999; EN 60244-1:2000)
Methods of measurement for radio transmitters – Part 1: General characteristics for broadcast transmitters (IEC 60244-1:1999; EN 60244-1:2000)
- bez zamjene
- HRN EN 60244-5:2008 en
Metode mjerenja radioodašiljača – 5. dio: Radne značajke televizijskih odašiljača (IEC 60244-5:1992; EN 60244-5:1994)
Methods of measurement for radio transmitters – Part 5: Performance characteristics for television transmitters (IEC 60244-5:1992; EN 60244-5:1994)
- bez zamjene
- HRN EN 60244-8:2008 en
Metode mjerenja radioodašiljača – 8. dio: Radne značajke demodulatora signala s djelomično smanjenim bočnim pojasom, koji se upotrebljavaju za ispitivanje odašiljača i pretvarača (IEC 60244-8:1993; EN 60244-8:1994)
Methods of measurement for radio transmitters – Part 8: Performance characteristics of vestigial-sideband demodulators used for testing television transmitters and transposers (IEC 60244-8:1993; EN 60244-8:1994)
- bez zamjene
- HRN EN 60244-9:2008 en
Metode mjerenja radioodašiljača – 9. dio: Radne značajke televizijskih pretvarača (IEC 60244-9:1993; EN 60244-9:1994)
Methods of measurement for radio transmitters – Part 9: Performance characteristics for television transposers (IEC 60244-9:1993; EN 60244-9:1994)
- bez zamjene
- HRN EN 60244-10:2008 en
Metode mjerenja radioodašiljača – 10. dio: Metode mjerenja televizijskih odašiljača i pretvarača umetanjem ispitnih signala (IEC 60244-10:1986; EN 60244-10:1993)
Methods of measurement for radio transmitters – Part 10: Methods of measurement for television transmitters and transposers employing insertion test signals (IEC 60244-10:1986; EN 60244-10:1993)
- bez zamjene
- HRN EN 60244-11:2008 en
Metode mjerenja radioodašiljača – 11. dio: Pretvarači za FM radiodifuziju zvuka (IEC 60244-11:1989; EN 60244-11:1993)
Methods of measurement for radio transmitters – Part 11: Transposers for FM sound broadcasting (IEC 60244-11:1989; EN 60244-11:1993)
- bez zamjene
- HRN EN 60244-12-1:2008 en
Metode mjerenja radioodašiljača – 12. dio: Smjernica za izradu prikaza tehničkih podataka odašiljača i pretvarača za radiodifuziju zvuka i televiziju – Značajke koje treba navesti (IEC 60244-12-1:1989; EN 60244-12-1:1993)
Methods of measurement for radio transmitters – Part 12: Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting – Characteristics to be specified (IEC 60244-12-1:1989; EN 60244-12-1:1993)
- bez zamjene
- HRN EN 60244-12-2:2008 en
Metode mjerenja radioodašiljača – 12. dio: Smjernica za izradu prikaza tehničkih podataka odašiljača i pretvarača za radiodifuziju zvuka i televiziju – Izmjerene značajke (IEC 60244-12-2:1989; EN 60244-12-2:1993)
Methods of measurement for radio transmitters – Part 12: Guideline for drawing up descriptive leaflets for transmitters and transposers for sound and television broadcasting – Specification sheets (IEC 60244-12-2:1989; EN 60244-12-2:1993)
- bez zamjene
- HRN EN 60244-13:2008 en
Metode mjerenja radioodašiljača – 13. dio: Radne značajke odašiljača za FM radiodifuziju zvuka (IEC 60244-13:1991; EN 60244-13:1993)
Methods of measurement for radio transmitters – Part 13: Performance characteristics for FM sound broadcasting (IEC 60244-13:1991; EN 60244-13:1993)
- bez zamjene
- HRN EN 60244-14:2002 en
Metode mjerenja radioodašiljača – 14. dio: Vanjski produkti intermodulacije uzrokovani od dva ili više odašiljača koji koriste istu ili susjedne antene (IEC 60244-14:1997; EN 60244-14:1997)
Methods of measurement for radio transmitters – Part 14: External intermodulation products caused by two or more transmitters using the same or adjacent antennas (IEC 60244-14:1997; EN 60244-14:1997)
- bez zamjene
- HRN EN 60244-15:2002 en
Metode mjerenja radioodašiljača – 15. dio: Amplitudno modulirani odašiljači za radiodifuziju zvuka (IEC 60244-15:1999; EN 60244-15:2000)
Methods of measurement for radio transmitters – Part 15: Amplitude-modulated transmitters for sound broadcasting (IEC 60244-15:1999; EN 60244-15:2000)
- bez zamjene
- HRN EN 60864-2:2002 en
Normizacija međuspajanja radiodifuzijskih odašiljača ili odašiljačkih sustava i nadzorne opreme – 2. dio: Norme sučelja za sustave koji koriste međuspojeve tipa sabirnice podataka (IEC 60864-2:1997; EN 60864-2:1997)
Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment – Part 2: Interface standards for systems using data bus type interconnections (IEC 60864-2:1997; EN 60864-2:1997)
- bez zamjene
- HRN EN 61566:2001 en
Mjerenje izlaganja radiofrekvencijskim elektromagnetskim poljima – Jakost polja u frekvencijskom području 100 kHz do 1 GHz (IEC 61566:1997; EN 61566:1997)
Measurement of exposure to radio-frequency electromagnetic fields – Field strength in the frequency range 100 kHz to 1 GHz (IEC 61566:1997; EN 61566:1997)
- bez zamjene
- HRN EN 62272-2:2008 en
DRM – 2. dio: Digitalni radio u području ispod 30 MHz – Metode mjerenja DRM odašiljača (IEC 62272-2:2007; EN 62272-2:2007)
Digital radio mondiale (DRM) – Part 2: Digital radio in the bands below 30 MHz – Methods of measurement for DRM transmitters (IEC 62272-2:2007; EN 62272-2:2007)
- bez zamjene
- HRN EN 62273-1:2008 en
Metode mjerenja radioodašiljača – 1. dio: Radne značajke zemaljskih digitalnih televizijskih odašiljača (IEC 62273-1:2007; EN 62273-1:2007)
Methods of measurement for radio transmitters – Part 1: Performance characteristics of terrestrial digital television transmitters (IEC 62273-1:2007; EN 62273-1:2007)
- bez zamjene
- HRN EN 62553:2013 en
Metode mjerenja digitalne mreže – Radne značajke zemaljske prijenosne mreže digitalne multimedijske (IEC 62553:2012; EN 62553:2013)
Methods of measurement for digital network – Performance characteristics of terrestrial digital multimedia transmission network (IEC 62553:2012; EN 62553:2013)
- bez zamjene

HRN EN 62802:2018 en

Metoda mjerenja napona polovine valne duljine i Chirp parametar za Mach-Zehnder optički modulator kod visokofrekvencijskih radijskih sustava po optičkom vlaknu (RoF) (IEC 62802:2017; EN 62802:2017)
Measurement methods of a half-wavelength voltage and a chirp parameter for Mach-Zehnder optical modulators in high-frequency radio on fibre (RoF) Systems (IEC 62802:2017; EN 62802:2017)
- bez zamjene

HRN EN 62803:2016 en

Metoda mjerenja frekvencijskog odziva optičko-električkog pretvornika kod visokofrekvencijskih radijskih sustava po optičkom vlaknu (IEC 62803:2016; EN 62803:2016)
Measurement Method of a Frequency Response of Optical-to-Electric Conversion Device in High-Frequency Radio on Fiber Systems (IEC 62803:2016; EN 62803:2016)
- bez zamjene

HZN/TO E106, Elektromagnetska polja u ljudskome okolišu

HRN EN 50496:2012 en

Određivanje izloženosti radnika elektromagnetskim poljima i procjena rizika na lokaciji radiodifuzijskog odašiljača (EN 50496:2008)
Determination of workers' exposure to electromagnetic fields and assessment of risk at a broadcast site (EN 50496:2008)
- zamijenjena s: HRN EN 50496:2018

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

HRN EN 60065:2015 en

Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi (IEC 60065:2014; EN 60065:2014)
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2014; EN 60065:2014)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60065:2015/A11:2017 en

Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi (EN 60065:2014/A11:2017)
Audio, video and similar electronic apparatus – Safety requirements (EN 60065:2014/A11:2017)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60065:2015/Ispr.1:2016 en

Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi (IEC 60065:2014/Corr.1:2015; EN 60065:2014/AC:2016)
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2014/Corr.1:2015; EN 60065:2014/AC:2016)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60065:2015/Ispr.2:2017 en

Audio, video i slični elektronički uređaji – Sigurnosni zahtjevi (IEC 60065:2014/Corr.2:2016; EN 60065:2014/AC:2017)
Audio, video and similar electronic apparatus – Safety requirements (IEC 60065:2014/Corr.2:2016; EN 60065:2014/AC:2017)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (IEC 60950-1:2005, MOD+Corr.1:2006; EN 60950-1:2006)
Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1:2005, MOD+Corr.1:2006; EN 60950-1:2006)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007/A11:2009 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (EN 60950-1:2006/A11:2009)
Information technology equipment – Safety – Part 1: General requirements (EN 60950-1:2006/A11:2009)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007/A1:2010 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (IEC 60950-1:2005/A1:2009, MOD; EN 60950-1:2006/A1:2010)
Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1:2005/A1:2009, MOD; EN 60950-1:2006/A1:2010)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007/A12:2011 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (EN 60950-1:2006/A12:2011)
Information technology equipment – Safety – Part 1: General requirements (EN 60950-1:2006/A12:2011)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007/A2:2014 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (IEC 60950-1:2005/am2:2013; EN 60950-1:2006/A2:2013)
Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1:2005/am2:2013; EN 60950-1:2006/A2:2013)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-1:2007/Ispr.1:2012 en

Oprema informacijske tehnologije – Sigurnost – 1. dio: Opći zahtjevi (EN 60950-1:2006/AC:2011)
Information technology equipment – Safety – Part 1: General requirements (EN 60950-1:2006/AC:2011)
- zamijenjena s: HRN EN 62368-1:2014

HRN EN 60950-21:2005 en

Oprema informacijske tehnologije – Sigurnost – 21. dio: Daljinsko napajanje energijom (IEC 60950-21:2002+Ispravak 1:2003; EN 60950-21:2003)
Information technology equipment – Safety – Part 21: Remote power feeding (IEC 60950-21:2002+Corr.1:2003; EN 60950-21:2003)
- zamijenjena s: HRN EN IEC 62368-3:2020

HZN/TO E501, Elektroakustika i ultrazvuk

HRN EN 60645-1:2015 en

Elektroakustika – Mjerila sluha – 1. dio: Mjerila sluha s čistim tonom (IEC 60645-1:2012; EN 60645-1:2015)
Electroacoustics – Audiometric equipment – Part 1: Equipment for pure-tone audiometry (IEC 60645-1:2012; EN 60645-1:2015)
- zamijenjena s: HRN EN 60645-1:2017

HRN EN 60645-2:1998 en

Audiometri – 2. dio: Oprema za govornu audiometriju (IEC 60645-2:1993; EN 60645-2:1997)
Audiometers – Part 2: Equipment for speech audiometry (IEC 60645-2:1993; EN 60645-2:1997)
- zamijenjena s: HRN EN 60645-1:2017

HRN EN 60942:2004 en

Elektroakustika – Zvučni umjerivači (IEC 60942:2003; EN 60942:2003)
Electroacoustics – Sound calibrators (IEC 60942:2003; EN 60942:2003)
- zamijenjena s: HRN EN IEC 60942:2018

HZN/TO E502, Elektrotehnički aspekti telekomunikacijske opreme

HRN EN 50346:2008 en

Informacijska tehnologija – Instalacija kabliranja – Ispitivanje instaliranog kabliranja (EN 50346:2002+A1:2007)
Information technology – Cabling installation – Testing of installed cabling (EN 50346:2002+A1:2007)
- bez zamjene

HRN EN 50346:2008/A2:2010 en

Informacijska tehnologija – Instalacija kabliranja – Ispitivanje instaliranog kabliranja (EN 50346:2002/A2:2009)
Information technology – Cabling installation – Testing of installed cabling (EN 50346:2002/A2:2009)
- bez zamjene

HZN/TU B1, Graditeljstvo 1

HRS CEN/TS 16637-1:2014 en

Građevni proizvodi – Procjena otpuštanja opasnih tvari – 1. dio: Upute za utvrđivanje ispitivanja izluživanja i dodatnih koraka ispitivanja (CEN/TS 16637-1:2014)
Construction products – Assessment of release of dangerous substances – Part 1: Guidance for the determination of leaching tests and additional testing steps (CEN/TS 16637-1:2014)
- zamijenjena s: HRS CEN/TS 16637-1:2021

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

HRN EN ISO 11127-1:2012 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 1. dio: Uzorkovanje (ISO 11127-1:2011; EN ISO 11127-1:2011)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 1: Sampling (ISO 11127-1:2011; EN ISO 11127-1:2011)
- zamijenjena s: HRN EN ISO 11127-1:2021

HRN EN ISO 11127-2:2012 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 2. dio: Određivanje raspodjele veličine čestica (ISO 11127-2:2011; EN ISO 11127-2:2011)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 2: Determination of particle size distribution (ISO 11127-2:2011; EN ISO 11127-2:2011)
- zamijenjena s: HRN EN ISO 11127-2:2021

HRN EN ISO 11127-3:2012 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 3. dio: Određivanje prividne gustoće (ISO 11127-3:2011; EN ISO 11127-3:2011)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 3: Determination of apparent density (ISO 11127-3:2011; EN ISO 11127-3:2011)
- zamijenjena s: HRN EN ISO 11127-3:2021

HRN EN ISO 11127-5:2012 en
Priprema čeličnih podloga prije nanošenja boja i srodnih proizvoda – Ispitne metode za nemetalne abrazive za čišćenje mlazom – 5. dio: Određivanje vlažnosti (ISO 11127-5:2011; EN ISO 11127-5:2011)
Preparation of steel substrates before application of paints and related products – Test methods for non-metallic blast-cleaning abrasives – Part 5: Determination of moisture (ISO 11127-5:2011; EN ISO 11127-5:2011)
- zamijenjena s: HRN EN ISO 11127-5:2021

HRN EN ISO 17296-4:2016 en
Proizvodnja aditiva – Opća načela – 4. dio: Pregled obrade podataka (ISO 17296-4:2014; EN ISO 17296-4:2016)
Additive manufacturing – General principles – Part 4: Overview of data processing (ISO 17296-4:2014; EN ISO 17296-4:2016)
- zamijenjena s: HRN EN ISO/ASTM 52950:2021

HRN EN ISO 20566:2013 en
Boje i lakovi – Određivanje otpornosti sustava premaza na grebanje upotrebom laboratorijske autopraonice (ISO 20566:2013; EN ISO 20566:2013)
Paints and varnishes – Determination of the scratch resistance of a coating system using a laboratory-scale car-wash (ISO 20566:2013; EN ISO 20566:2013)
- zamijenjena s: HRN EN ISO 20566:2021

HZN/TU I2, Strojarstvo 2

HRN EN ISO 28057:2018 en
Dosimetry with solid thermoluminescence detectors for photon and electron radiations in radiotherapy (ISO 28057:2014; EN ISO 28057:2018)
- zamijenjena s: HRN EN ISO 28057:2021

HZN/TU N1, Nemetalni materijali 1

HRN EN 821-1:2008 en
Tehnička keramika – Monolitna keramika – Termo-fizikalna svojstva – 1. dio: Određivanje toplinskog širenja (EN 821-1:1995)
Advanced technical ceramics – Monolithic ceramics – Thermo-physical properties – Part 1: Determination of thermal expansion (EN 821-1:1995)
- zamijenjena s: HRN EN ISO 17562:2021

HRN EN 1159-3:2008 en
Tehnička keramika – Keramičke smjese – Termo-fizikalna svojstva – 3. dio: Određivanje specifičnog toplinskog kapaciteta (EN 1159-3:2003+AC:2008)
Advanced technical ceramics – Ceramic composites, thermophysical properties – Part 3: Determination of specific heat capacity (EN 1159-3:2003+AC:2008)
- zamijenjena s: HRN EN ISO 19628:2021

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

HRN EN ISO 15854:2008 en
Stomatologija – Voskovi za lijevanje i izradu bazne ploče (ISO 15854:2005; EN ISO 15854:2005)
Dentistry – Casting and baseplate waxes (ISO 15854:2005; EN ISO 15854:2005)
- zamijenjena s: HRN EN ISO 15854:2021

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

HRN EN 4687:2012 en
Nizovi o zrakoplovstvu – Boje i lakovi – Dvokomponentna inhibitorajuća i nekorodirajuća osnovna boja bez kromata koja vezuje pri niskim temperaturama, za vojnu upotrebu (EN 4687:2012)
Aerospace series – Paints and varnishes – Chromate free non corrosion inhibiting two components cold curing primer for military application (EN 4687:2012)
- zamijenjena s: HRN EN 4687:2021

HRN EN 4688:2012 en
Nizovi o zrakoplovstvu – Boje i lakovi – Dvokomponentna osnovna boja koja vezuje pri niskim temperaturama i usporava koroziju, za vojnu upotrebu (EN 4688:2012)
Aerospace series – Paints and varnishes – Corrosion inhibiting two components cold curing primer for military application (EN 4688:2012)
- zamijenjena s: HRN EN 4688:2021

HRN EN 4689:2012 en
Nizovi o zrakoplovstvu – Boje i lakovi – Dvokomponentni poliuretanski završni sloj koji vezuje pri niskim temperaturama – Visoka elastičnost i otpornost na kemijske agense za vojnu primjenu (EN 4689:2012)
Aerospace series – Paints and varnishes – Two components cold curing polyurethane finish – High flexibility and chemical agent resistance for military application (EN 4689:2012)
- zamijenjena s: HRN EN 4689:2021

HRN EN 12312-5:2010 en
Oprema za zemaljsku podršku zrakoplovu – Posebni zahtjevi – 5. dio: Zrakoplovna oprema za točenje goriva (EN 12312-5:2005+A1:2009)
Aircraft ground support equipment – Specific requirements – Part 5: Aircraft fuelling equipment (EN 12312-5:2005+A1:2009)
- zamijenjena s: HRN EN 12312-5:2021

HZN/TU V1, Elektronika 1

HRN EN 50491-3:2010 en
Opći zahtjevi za elektroničke sustave u stanovima i zgradama (ESSZ) – 3. dio: Zahtjevi električne sigurnosti (EN 50491-3:2009)
General requirements for Home and Building Electronic Systems (HBES) and Building Automation and Control Systems (BACS) – Part 3: Electrical safety requirements (EN 50491-3:2009)
- zamijenjena s: HRN EN IEC 63044-3:2018

HRN EN 60191-1:2008 en
Mechanical standardization of semiconductor devices – Part 1: General rules for the preparation of outline drawings of discrete devices (IEC 60191-1:2007; EN 60191-1:2007)
- zamijenjena s: HRN EN IEC 60191-1:2018

HRN EN 60512-8-3:2012 en
Connectors for electronic equipment – Tests and measurements – Part 8-3: Static load tests (fixed connectors) – Test 8c: Robustness of actuating lever (IEC 60512-8-3:2011; EN 60512-8-3:2011)
- zamijenjena s: HRN EN IEC 60512-8-3:2018

HRN EN 60512-15-2:2008 en
Connectors for electronic equipment – Tests and measurements – Part 15-2: Connector tests (mechanical) – Test 15b: Insert retention in housing (axial) (IEC 60512-15-2:2008; EN 60512-15-2:2008)
- zamijenjena s: HRN EN IEC 60512-15-2:2018

HRN EN 60749-12:2008 en
Semiconductor devices – Mechanical and climatic test methods – Part 12: Vibration, variable frequency (IEC 60749-12:2002; EN 60749-12:2002)
- zamijenjena s: HRN EN IEC 60749-12:2018

- HRN EN 60749-26:2014 en
Semiconductor devices – Mechanical and climatic test methods – Part 26: Electrostatic discharge (ESD) sensitivity testing – Human body model (HBM) (IEC 60749-26:2013; EN 60749-26:2014)
- zamijenjena s: HRN EN IEC 60749-26:2018
- HRN EN 60793-1-45:2008 en
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter (IEC 60793-1-45:2001, MOD+Corr.1:2002; EN 60793-1-45:2003)
- zamijenjena s: HRN EN IEC 60793-1-45:2018
- HRN EN 60793-1-45:2008/lspr.1:2014 en
Optical fibres – Part 1-45: Measurement methods and test procedures – Mode field diameter (EN 60793-1-45:2003/AC:2004)
- zamijenjena s: HRN EN IEC 60793-1-45:2018
- HRN EN 60793-1-47:2010 en
Optical fibres – Part 1-47: Measurement methods and test procedures – Macrobending loss (IEC 60793-1-47:2009; EN 60793-1-47:2009)
- zamijenjena s: HRN EN IEC 60793-1-47:2018
- HRN EN 60793-1-54:2014 en
Optical fibres – Part 1-54: Measurement methods and test procedures – Gamma irradiation (IEC 60793-1-54:2012; EN 60793-1-54:2013)
- zamijenjena s: HRN EN IEC 60793-1-54:2018
- HRN EN 60794-1-22:2014 en
Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental test methods (IEC 60794-1-22:2012; EN 60794-1-22:2012)
- zamijenjena s: HRN EN IEC 60794-1-22:2018
- HRN EN 60794-2:2008 en
Optical fibre cables – Part 2: Indoor cables – Sectional specification (IEC 60794-2:2002; EN 60794-2:2003)
- zamijenjena s: HRN EN 60794-2:2017
- HRN EN 61190-1-3:2009 en
Attachment materials for electronic assembly – Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications (IEC 61190-1-3:2007; EN 61190-1-3:2007)
- zamijenjena s: HRN EN IEC 61190-1-3:2018
- HRN EN 61190-1-3:2009/A1:2011 en
Attachment materials for electronic assembly – Part 1-3: Requirements for electronic grade solder alloys and fluxed and non-fluxed solid solders for electronic soldering applications (IEC 61190-1-3:2007/am1:2010; EN 61190-1-3:2007/A1:2010)
- zamijenjena s: HRN EN IEC 61190-1-3:2018
- HRN EN 61191-2:2014 en
Printed board assemblies – Part 2: Sectional specification – Requirements for surface mount soldered assemblies (IEC 61191-2:2013; EN 61191-2:2013)
- zamijenjena s: HRN EN 61191-2:2017
- HRN EN 61281-1:2008 en
Fibre optic communication subsystems – Part 1: Generic specification (IEC 61281-1:1999; EN 61281-1:1999)
- zamijenjena s: HRN EN IEC 61281-1:2018
- HRN EN 61300-3-21:2016 en
Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-21: Examinations and measurements – Switching time (IEC 61300-3-21:2014; EN 61300-3-21:2015)
- zamijenjena s: HRN EN IEC 61300-3-21:2019
- HRN EN 61340-4-3:2008 en
Electrostatics – Part 4-3: Standard test methods for specific applications – Footwear (IEC 61340-4-3:2001; EN 61340-4-3:2001)
- zamijenjena s: HRN EN IEC 61340-4-3:2018
- HRN EN 61340-4-4:2014 en
Electrostatics – Part 4-4: Standard test methods for specific applications – Electrostatic classification of flexible intermediate bulk containers (FIBC) (IEC 61340-4-4:2012; EN 61340-4-4:2012)
- zamijenjena s: HRN EN IEC 61340-4-4:2018
- HRN EN 61340-4-4:2014/A1:2015 en
Electrostatics – Part 4-4: Standard test methods for specific applications – Electrostatic classification of flexible intermediate bulk containers (FIBC) (IEC 61340-4-4:2012/am1:2014; EN 61340-4-4:2012/A1:2015)
- zamijenjena s: HRN EN IEC 61340-4-4:2018
- HRN EN 61340-4-5:2008 en
Electrostatics – Part 4-5: Standard test methods for specific applications – Methods for characterizing the electrostatic protection of footwear and flooring in combination with a person (IEC 61340-4-5:2004; EN 61340-4-5:2004)
- zamijenjena s: HRN EN IEC 61340-4-5:2018
- HRN EN 61753-121-2:2011 en
Fibre optic interconnecting devices and passive components – Performance standards – Part 121-2: Simplex and duplex cords with singlemode fibre and cylindrical ferrule connectors for category C – Controlled environment (IEC 61753-121-2:2010; EN 61753-121-2:2010)
- zamijenjena s: HRN EN 61753-121-2:2017
- HRN EN 61756-1:2008 en
Fibre optic interconnecting devices and passive components – Interface standard for fibre management systems – Part 1: General and guidance (IEC 61756-1:2006; EN 61756-1:2006)
- zamijenjena s: HRN EN IEC 61756-1:2020
- HRN EN 62024-1:2009 en
High frequency inductive components – Electrical characteristics and measuring methods – Part 1: Nanohenry range chip inductor (IEC 62024-1:2008; EN 62024-1:2008)
- zamijenjena s: HRN EN IEC 62024-1:2018
- HRN EN 62148-1:2008 en
Fibre optic active components and devices – Package and interface standards – Part 1: General and guidance (IEC 62148-1:2002; EN 62148-1:2002)
- zamijenjena s: HRN EN IEC 62148-1:2018
- HRN EN 62343:2014 en
Dynamic modules – General and guidance (IEC 62343:2013; EN 62343:2013)
- zamijenjena s: HRN EN 62343:2017
- HRN EN 62604-2:2012 en
Surface Acoustic Wave (SAW) and Bulk Acoustic Wave (BAW) duplexers of assessed quality – Part 2: Guidelines for the use (IEC 62604-2:2011; EN 62604-2:2012)
- zamijenjena s: HRN EN IEC 62604-2:2018
- HRN EN 122002:2008 en
Blank Detail Specification – Radio frequency coaxial connectors (EN 122002:1993)
- bez zamjene
- HRN EN 122003:2008 en
Blank Detail Specification – Preparation of customer detail specifications (CDS) and detail specifications for standard production items with capability approval (EN 122003:1994)
- bez zamjene
- HRN EN 122110:2008 en
Sectional Specification – Radio frequency coaxial connectors – Series SMA (EN 122110:1993)
- bez zamjene
- HRN EN 122120:2008 en
Sectional Specification – Radio frequency coaxial connectors – Series BNC (EN 122120:1993)
- bez zamjene
- HRN EN 122130:2008 en
Sectional Specification – Radio frequency coaxial connectors – Series SMB (EN 122130:1993)
- bez zamjene
- HRN EN 122140:2008 en
Sectional Specification – Radio frequency coaxial connectors – Series SMC (EN 122140:1993)
- bez zamjene
- HRN EN 122150:2008 en
Sectional Specification – Radio frequency coaxial connectors – Series EIA flange (EN 122150:1993)
- bez zamjene

HRN EN 122160:2008 en
Sectional Specification – Radio frequency coaxial connectors
– Series SSMA (EN 122160:1993)
- bez zamjene

HRN EN 122160:2008/Ispr.1:2014 en
Sectional Specification – Radio frequency coaxial connectors
– Series SSMA (EN 122160:1993/AC:1996)
- bez zamjene

HRN EN 122170:2008 en
Sectional Specification – Radio frequency coaxial connectors
– Series SSMB (EN 122170:1993)
- bez zamjene

HRN EN 122180:2008 en
Sectional Specification – Radio frequency coaxial connectors
– Series SSMC (EN 122180:1993)
- bez zamjene

HRN EN 122190:2008 en
Sectional Specification – Radio frequency coaxial connectors
– Series 7-16 (EN 122190:1994)
- bez zamjene

HRN EN 122200:2008 en
Sectional Specification – Radio frequency coaxial connectors
– Series TNC (EN 122200:1994)
- bez zamjene

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 22, *Cestovna vozila*

- **umjesto**

HRN ISO 13325:2020
Gume – Metode mjerenja emisije buke kotrljanja gume po cesti s isključenim motorom vozila (ISO 13325:2019)
Tyres – Coast-by methods for measurement of tyre-to-road sound emission (ISO 13325:2019)

- **treba biti**

HRN ISO 13325:2020
Gume – Metode mjerenja emisije buke kotrljanja gume po cesti s isključenim motorom vozila (ISO 13325:2019, **ispravljena verzija 2021-03**)
Tyres – Coast-by methods for measurement of tyre-to-road sound emission (ISO 13325:2019, **Corrected version 2021-03**)

HZN/TO 74, *Cement i vapno*

- **umjesto**

HRN EN 197-2:2020
Ocjenjivanje i provjera stalnosti svojstava (EN 197-2:2020)
Cement – Part 2: Assessment and verification of constancy of performance (EN 197-2:2020)

- **treba biti**

HRN EN 197-2:2020
Cement – 2. dio: Ocjenjivanje i provjera stalnosti svojstava (EN 197-2:2020)
Cement – Part 2: Assessment and verification of constancy of performance (EN 197-2:2020)

HZN/TO 134, *Gnojiva i poboljšivači tla*

- **umjesto**

HRN ISO 7851:1998
Gnojiva i poboljšivači tla – **Razredba** (ISO 7851:1983)
Fertilizers and soil conditioners – Classification (ISO 7851:1983)

- **treba biti**

HRN ISO 7851:1998
Gnojiva i poboljšivači tla – **Razvrstavanje** (ISO 7851:1983)
Fertilizers and soil conditioners – Classification (ISO 7851:1983)

- **umjesto**

HRN EN 13535:2005
Gnojiva i tvari za kalcifikaciju – **Klasifikacija** (EN 13535:2001)
Fertilizers and liming materials – Classification (EN 13535:2001)

- **treba biti**

HRN EN 13535:2005
Gnojiva i tvari za kalcifikaciju – **Razvrstavanje** (EN 13535:2001)
Fertilizers and liming materials – Classification (EN 13535:2001)

- **umjesto**

HRN EN 13652:2008
Poboljšivači tla i supstrati – Ekstrakcija **vodotopivih hranjiva** i elemenata (EN 13652:2001)
Soil improvers and growing media – Extraction of water soluble nutrients and elements (EN 13652:2001)

- **treba biti**

HRN EN 13652:2008
Poboljšivači tla i supstrati – Ekstrakcija **vodotopljivih hranjiva** i elemenata (EN 13652:2001)
Soil improvers and growing media – Extraction of water soluble nutrients and elements (EN 13652:2001)

HZN/TO 503, *Metalni materijali*

- **umjesto**

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

- **treba biti**

HRN EN ISO 12004-1:2020
Metalni materijali – Određivanje krivulja granice oblikovanja **za lim i traku** – 1. dio: Mjerenje i primjena dijagrama granice oblikovanja u kovačnici (ISO 12004-1:2020; EN ISO 12004-1:2020)
Metallic materials – Determination of forming-limit curves **for sheet and strip** – Part 1: Measurement and application of forming-limit diagrams in the press shop (ISO 12004-1:2020; EN ISO 12004-1:2020)

1.7 Naslovi objavljenih hrvatskih norma na hrvatskome jeziku

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

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

HRN EN ISO 28921-1:2017 en pr
Industrijski zaporni uređaji – Zaporni uređaji za odvajanje za primjenu pri niskim temperaturama – 1. dio: Projektiranje, izrada i ispitivanje proizvodnje (ISO 28921-1:2013; EN ISO 28921-1:2017)
Industrial valves – Isolating valves for low-temperature applications – Part 1: Design, manufacturing and production testing (ISO 28921-1:2013; EN ISO 28921-1:2017)

HRN EN ISO 28921-2:2017 en pr
Industrijski zaporni uređaji – Zaporni uređaji za odvajanje za primjenu pri niskim temperaturama – 2. dio: Ispitivanje tipa (ISO 28921-2:2015; EN ISO 28921-2:2017)
Industrial valves – Isolating valves for low-temperature applications – Part 2: Type testing (ISO 28921-2:2015; EN ISO 28921-2:2017)

1.10 Prijevodi hrvatskih normativnih dokumenata

HZN/TO 515, *Žičare, uspinjače i vučnice*

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

HRN EN 1909:2017 hr-en pr-pp
Sigurnosni zahtjevi za žičare za prijevoz osoba – Uklanjanje i evakuacija (EN 1909:2017)
Safety requirements for cableway installations designed to carry persons – Recovery and evacuation (EN 1909:2017)

HRN EN 12397:2017 hr-en pr-pp
Sigurnosni zahtjevi za žičare za prijevoz osoba – Upute za rad (EN 12397:2017)
Safety requirements for cableway installations designed to carry persons – Operation (EN 12397:2017)

2 Rezultati međunarodne i europske normizacije

Europska normizacija (CEN)

Oznaka norme	Naslov norme	ICS	Datum objave
CEN/TS 1329-2	Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure – Unplasticized poly(vinyl chloride) (PVC-U) – Part 2: Guidance for the assessment of conformity	23.040.20; 91.140.80	2021-01
EN 1514-2+A1	Flanges and their joints – Gaskets for PN-designated flanges – Part 2: Spiral wound gaskets for use with steel flanges	23.040.80	2021-01
EN 1829-1	High-pressure water jet machines – Safety requirements – Part 1: Machines	43.180; 97.080	2021-01
EN 4687	Aerospace series – Paints and varnishes – Chromate free (non corrosion inhibiting) two-components cold curing primer – Chromate free primer for military application	49.040	2021-01
EN 4688	Aerospace series – Paints and varnishes – Corrosion resistant chromated two-components room temperature curing epoxy primer – High corrosion resistance for military application	49.040	2021-01
EN 4689	Aerospace series – Paints and varnishes – Two-components room temperature curing polyurethane finish – High flexibility and chemical agent resistance for military application	49.040	2021-01
EN 12115	Rubber and thermoplastics hoses and hose assemblies for liquid or gaseous chemicals – Specification	23.040.70	2021-01
EN 12463	Food processing machinery – Filling machines and interchangeable equipment – Safety and hygiene requirements	67.260	2021-01
EN 12609	Truck mixers – Safety requirements	91.220	2021-01
EN 12613	Plastics warning devices for underground cables and pipelines with visual characteristics	83.140.99	2021-01
EN 12697-42	Bituminous mixtures – Test methods – Part 42: Amount of foreign matter in reclaimed asphalt	93.080.20	2021-01
EN 12814-2	Testing of welded joints of thermoplastics semi-finished products – Part 2: Tensile test	25.160.40	2021-01
EN 12814-8	Testing of welded joints of thermoplastics semi-finished products – Part 8: Requirements	25.160.40	2021-01
EN 13497+A1	Thermal insulation products for building applications – Determination of the resistance to impact of external thermal insulation composite systems (ETICS)	91.100.60	2021-01
CEN/TR 13582	Installation of thermal energy meters – Guidelines for the selection, installation and operation of thermal energy meters	17.200.10	2021-01
EN 14104	Fat and oil derivates – Fatty acid methyl ester (FAME) – Determination of acid value	67.200.10	2021-01
EN 14222	Stainless steel steam boilers	27.060.30	2021-01
EN 14654-1	Drain and sewer systems outside buildings – Management and control of activities – Part 1: General requirements	93.030	2021-01
EN 14654-2	Drain and sewer systems outside buildings – Management and control of activities – Part 2: Rehabilitation	93.030	2021-01
EN 14654-3	Drain and sewer systems outside buildings – Management and control of activities – Part 3: Drain and sewer cleaning	93.030	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN 14654-4	Drain and sewer systems outside buildings – Management and control of activities – Part 4: Control of inputs from users	93.030	2021-01
EN 14772	Flanges and their joints – Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560	23.040.60; 23.040.80	2021-01
CEN/TS 15427-1-2	Railway applications – Wheel/Rail friction management – Part 1-2: Equipment and Application – Top of Rail materials	21.260; 45.080; 45.120	2021-01
CEN/TS 15427-2-2	Railway applications – Wheel/Rail friction management – Part 2-2: Properties and Characteristics – Top of Rail materials	45.080; 45.120	2021-01
EN 16842-5	Powered industrial trucks – Visibility – Test methods and verification – Part 5: Industrial variable-reach trucks greater than 10000 kg capacity	53.060	2021-01
EN 16842-8	Powered industrial trucks – Visibility – Test methods and verification – Part 8: Stand-on counterbalance trucks up to and including 10000 kg capacity	53.060	2021-01
EN 16941-2	On-site non-potable water systems – Part 2: Systems for the use of treated greywater	93.025	2021-01
EN 17104	Thermoplastics rigid protective wallcovering panels for internal use in buildings – Performance characteristics	83.140.10	2021-01
CEN/TS 17394-1	Textiles and textile products – Part 1: Safety of children's clothing – Security of attachment of attached components to infants' clothing – Specification	61.040; 97.190	2021-01
CEN/TS 17394-3	Textiles and textile products – Part 3: Safety of children's clothing – Security of attachment of metal mechanically applied press fasteners – Test method	61.040; 97.190	2021-01
CEN/TS 17394-4	Textiles and textile products – Part 4: Safety of children's clothing – Security of attachment of components except buttons and metal mechanically applied press fasteners – Test method	61.040; 97.190	2021-01
CEN/TS 17403	Fertilizers – Determination of cold water insoluble nitrogen and hot water insoluble nitrogen in solid urea formaldehyde and methylene urea slow-release fertilizers and determination of the solubility of nutrient polymers in phosphate buffer solution with a pH of 7,5 at 100 °C	65.080	2021-01
CEN/TR 17611	Algae and algae products – Specifications for cosmetic sector applications	13.020.55; 71.100.70	2021-01
CEN/TR 17612	Algae and algae products – Specifications for pharmaceutical sector applications	13.020.55	2021-01
CEN/TR 17614	Standard method for assessing and improving the energy efficiency of waste water treatment plants	13.060.30; 27.015	2021-01
EN IEC 63185	Measurement of the complex permittivity for low-loss dielectric substrates balanced-type circular disk resonator method (IEC 63185:2020)	17.220.20; 33.120.30	2021-01
EN ISO 129-1/A1	Technical product documentation (TPD) – Presentation of dimensions and tolerances – Part 1: General principles – Amendment 1 (ISO 129-1:2018/Amd 1:2020)	01.100.01; 01.110	2021-01
EN ISO 5829	Resistance spot welding – Electrode adaptors, female taper 1:10 (ISO 5829:1984)	25.160.30	2021-01
EN ISO 5830	Resistance spot welding – Male electrode caps (ISO 5830:1984)	25.160.30	2021-01
EN ISO 7285	Pneumatic cylinders for mechanized multiple spot welding (ISO 7285:1995)	25.160.30	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 8407	Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens (ISO 8407:2021)	77.060	2021-01
EN ISO 9093	Small craft – Seacocks and through-hull fittings (ISO 9093:2020)	47.080	2021-01
EN ISO 9902-6	Textile machinery – Noise test code – Part 6: Fabric manufacturing machinery (ISO 9902-6:2018)	17.140.20; 59.120.30	2021-01
EN ISO 10656	Resistance welding equipment – Transformers – Integrated transformers for welding guns (ISO 10656:2016)	25.160.30; 29.180	2021-01
EN ISO 14705	Fine ceramics (advanced ceramics, advanced technical ceramics) – Test method for hardness of monolithic ceramics at room temperature (ISO 14705:2016)	81.060.30	2021-01
EN ISO 15616-4	Acceptance tests for CO ₂ -laser beam machines for high quality welding and cutting – Part 4: Machines with 2-D moving optics (ISO 15616-4:2008)	25.160.30	2021-01
EN ISO 16147	Small craft – Inboard diesel engines – Engine-mounted fuel, oil and electrical components (ISO 16147:2020)	47.080	2021-01
EN ISO 16474-3	Paints and varnishes – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps (ISO 16474-3:2021)	87.040	2021-01
EN ISO 17172	Fine ceramics (advanced ceramics, advanced technical ceramics) – Determination of compaction properties of ceramic powders (ISO 17172:2014)	81.060.30	2021-01
EN ISO 18610	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure – Determination of elastic properties by ultrasonic technique (ISO 18610:2016)	81.060.30	2021-01
EN ISO 18785-1	Friction stir spot welding – Aluminium – Part 1: Vocabulary (ISO 18785-1:2018)	01.040.25; 25.160.40	2021-01
EN ISO 18785-2	Friction stir spot welding – Aluminium – Part 2: Design of weld joints (ISO 18785-2:2018)	25.160.40	2021-01
EN ISO 18785-3	Friction stir spot welding – Aluminium – Part 3: Qualification of welding personnel (ISO 18785-3:2018)	25.160.01	2021-01
EN ISO 18785-4	Friction stir spot welding – Aluminium – Part 4: Specification and qualification of welding procedures (ISO 18785-4:2018)	25.160.10	2021-01
EN ISO 18785-5	Friction stir spot welding – Aluminium – Part 5: Quality and inspection requirements (ISO 18785-5:2018)	25.160.10	2021-01
EN ISO 20168	Resistance welding – Locking tapers for electrode holders and electrode caps (ISO 20168:2016)	25.160.20	2021-01
CEN ISO/TR 21186-1	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 1: Standardization landscape and releases (ISO/TR 21186-1:2021)	01.120; 03.220.01; 35.240.60	2021-01
EN ISO 21304-2	Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties (ISO 21304-2:2021)	83.080.20	2021-01
EN ISO 21644	Solid recovered fuels – Methods for the determination of biomass content (ISO 21644:2021)	75.160.10	2021-01
EN ISO 21765	Textiles – Determination of fabric deformability by forced mechanical distension (ISO 21765:2020)	59.080.30	2021-01
CEN ISO/TR 22411	Ergonomics data for use in the application of ISO/IEC Guide 71:2014 (ISO/TR 22411:2021)	01.120; 11.180.01	2021-01
EN ISO 23411	Small craft – Steering wheels (ISO 23411:2020)	47.080	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN ISO 24014-1	Public transport – Interoperable fare management system – Part 1: Architecture (ISO 24014-1:2021)	03.220.01; 35.240.60	2021-01
EN ISO 54321	Soil, treated biowaste, sludge and waste – Digestion of aqua regia soluble fractions of elements (ISO 54321:2020)	13.030.20; 13.080.10	2021-01
EN ISO 56000	Innovation management – Fundamentals and vocabulary (ISO 56000:2020)	01.040.03; 03.100.01; 03.100.40	2021-01
EN ISO 56002	Innovation management – Innovation management system – Guidance (ISO 56002:2019)	03.100.01; 03.100.40; 03.100.70	2021-01
EN ISO 56003	Innovation management – Tools and methods for innovation partnership – Guidance (ISO 56003:2019)	03.100.01; 03.100.40	2021-01

Europska normizacija (CENELEC)

Oznaka norme	Naslov norme	ICS	Datum objave
EN 17210	Accessibility and usability of the built environment – Functional requirements	91.040.01	2021-01
EN 50291-1/AC	Gas detectors – Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements	13.320	2021-01
EN 50488	Railway applications – Fixed installations – Electrical protective measures for working on or near an overhead contact line system and/or its associated return circuit	13.260; 45.020	2021-01
EN IEC 60061-1/A61	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 1: Lamp caps (IEC 60061-1:1969/A61:2020)	29.140.10	2021-01
EN 60061-2/A57	Lamp caps and holders together with gauges for the control of interchangeability and safety – Part 2: Lampholders (IEC 60061-2:1969/A57:2020)	29.140.10	2021-01
EN IEC 60172	Test procedure for the determination of the temperature index of enamelled and tape wrapped winding wires (IEC 60172:2020)	29.060.10	2021-01
EN IEC 60384-17/AC	Fixed capacitors for use in electronic equipment – Part 17: Sectional specification – Fixed metallized polypropylene film dielectric AC and pulse capacitors (IEC 60384-17:2019/COR1:2020)	31.060.30	2021-01
EN IEC 60522-1	Medical electrical equipment – Diagnostic X-rays – Part 1: Determination of quality equivalent filtration and permanent filtration (IEC 60522-1:2020)	11.040.50	2021-01
EN IEC 60598-2-23	Luminaires – Part 2-23: Particular requirements – Extra-low- voltage lighting systems for ELV light sources (IEC 60598-2-23:2020)	29.140.40	2021-01
EN IEC 60675-2	Household electric direct-acting room heaters – Methods for measuring performance – Part 2: Additional provisions for the measurement of the radiant factor (IEC 60675-2:2020)	97.100.10	2021-01
EN IEC 60675-3	Household electric direct-acting room heaters – Methods for measuring performance – Part 3: Additional provisions for the measurement of the radiation efficiency (IEC 60675-3:2020)	97.100.10	2021-01
EN IEC 60794-2-11/A1	Optical fibre cables – Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling (IEC 60794-2-11:2019/A1:2020)	33.180.10	2021-01
EN IEC 60794-2-21/A1	Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2019/A1:2020)	33.180.10	2021-01
EN IEC 60794-2-31/A1	Optical fibre cables – Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling (IEC 60794-2-31:2019/A1:2020)	33.180.10	2021-01
EN IEC 61010-2-202	Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-202: Particular requirements for electrically operated valve actuators (IEC 61010-2-202:2020)	13.110; 17.020; 19.020; 25.040.40	2021-01
EN IEC 61083-3	Instruments and software used for measurement in high-voltage and high-current tests – Part 3: Requirements for hardware for tests with alternating and direct voltages and currents (IEC 61083-3:2020)	17.220.20; 19.080	2021-01
EN 61347-1/A1	Lamp controlgear – Part 1: General and safety requirements (IEC 61347-1:2015/A1:2017)	29.140.99	2021-01
EN IEC 61851-25	Electric vehicle conductive charging system – Part 25: DC EV supply equipment where protection relies on electrical separation (IEC 61851-25:2020)	43.120	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
EN IEC 61980-1	Electric vehicle wireless power transfer (WPT) systems – Part 1: General requirements (IEC 61980-1:2020)	43.120	2021-01
EN IEC 62325-451-10	Framework for energy market communications – Part 451-10: Profiles for Energy Consumption Data (“My Energy Data”) (IEC 62325-451-10:2020)	27.010; 33.200; 35.240.50; 35.240.63	2021-01
EN IEC 62435-7	Electronic components – Long-term storage of electronic semiconductor devices – Part 7: Micro-electromechanical devices (IEC 62435-7:2020)	31.200	2021-01
EN IEC 62474/A1	Material declaration for products of and for the electrotechnical industry (IEC 62474:2018/A1:2020)	01.110; 13.020.01; 13.020.30; 29.020	2021-01
EN IEC 62485-5	Safety requirements for secondary batteries and battery installations – Part 5: Safe operation of stationary lithium ion batteries (IEC 62485-5:2020)	29.220.20; 29.220.30	2021-01
EN IEC 62769-101-1	Field device Integration (FDI) – Part 101-1: Profiles – Foundation Fieldbus H1 (IEC 62769-101-1:2020)	25.040.40; 35.100.05; 35.240.50	2021-01
EN IEC 62769-101-2	Field Device Integration (FDI) – Part 101-2: Profiles – Foundation Fieldbus HSE (IEC 62769-101-2:2020)	25.040.40; 35.100.05; 35.240.50	2021-01
EN IEC 63193	Lead-acid batteries for propulsion power of lightweight vehicles – General requirements and methods of test (IEC 63193:2020)	29.220.20; 43.120	2021-01
CENELEC Guide 1	Survey of Resolutions of the CENELEC General Assembly	01.120	2021-01
EN IEC/ASTM 62885-7	Surface cleaning appliances – Part 7: Dry-cleaning robots for household or similar use – Methods for measuring the performance (IEC/ASTM 62885-7:2020)	97.080	2021-01
EN ISO/IEC 27017	Information technology – Security techniques – Code of practice for information security controls based on ISO/IEC 27002 for cloud services (ISO/IEC 27017:2015)	35.030	2021-01

Europska normizacija (ETSI)

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 102941 V 1.4.1	Intelligent Transport Systems (ITS) – Security – Trust and Privacy Management	35.240.60	2021-01
ETSI TS 103564 V 1.4.1	Plugtests TM scenarios for Mission Critical Services	33.070.10	2021-01
ETSI TS 103571-1 V 2.1.1	Core Network and Interoperability Testing (INT) – Diameter Conformance testing for the Sh/Dh interfaces – (3GPPTM Release 15) – Part 1: Protocol Implementation Conformance Statement (PICS)	33.040.99	2021-01
ETSI TS 103571-2 V 2.1.1	Core Network and Interoperability Testing (INT) – Diameter Conformance testing for Sh/Dh interfaces – (3GPPT Release 15) – Part 2: Test Suite Structure (TSS) and Test Purposes (TP)	33.040.99	2021-01
ETSI TS 103571-3 V 2.1.1	Core Network and Interoperability Testing (INT) – Diameter Conformance testing for the Sh/Dh interfaces – (3GPPT Release 15) – Part 3: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) pro forma specification	33.040.99	2021-01
ETSI TS 103597-1 V 1.1.2	Methods for Testing and Specification (MTS) – Test Specification for MQTT – Part 1: Conformance Tests	35.080; 35.100.70	2021-01
ETSI TS 103597-3 V 1.1.1	Methods for Testing and Specification (MTS) – Test Specification for MQTT – Part 3: Performance Tests	35.080; 35.100.70	2021-01
ETSI TS 103646 V 1.1.1	Methods for Testing and Specification (MTS) – Test Specification for foundational Security IoT-Profile	35.030; 35.080; 35.240.95	2021-01
ETSI TS 103757 V 1.1.2	SmartM2M – Asynchronous Contact Tracing System – Fighting pandemic disease with Internet of Things (IoT)	33.200	2021-01
ETSI TS 118102 V 3.1.2	oneM2M Requirements (oneM2M TS-0002 version 3.1.2 Release 3)	33.200	2021-01
ETSI TS 118109 V 3.5.0	oneM2M – HTTP Protocol Binding (oneM2M TS-0009 version 3.5.0 Release 3)	33.200	2021-01
ETSI TS 118110 V 3.1.0	oneM2M – MQTT Protocol Binding (oneM2M TS-0010 version 3.1.0 Release 3)	33.200	2021-01
ETSI TS 118112 V 3.7.3	oneM2M – Base Ontology (oneM2M TS-0012 version 3.7.3 Release 3)	33.200	2021-01
ETSI TS 118116 V 3.0.2	oneM2M – Secure Environment Abstraction (oneM2M TS-0016 version 3.0.2 Release 3)	33.200	2021-01
ETSI TS 118120 V 3.0.1	oneM2M – WebSocket Protocol Binding (oneM2M TS-0020 version 3.0.1 Release 3)	33.200	2021-01
ETSI TS 119132-3 V 1.1.1	Electronic Signatures and Infrastructures (ESI) – XAdES digital signatures – Part 3: Incorporation of Evidence Record Syntax (ERS) mechanisms in XAdES	33.040.01	2021-01
ETSI TS 121111 V 15.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – USIM and IC card requirements (3GPP TS 21.111 version 15.2.0 Release 15)	33.070.50	2021-01
ETSI TS 121111 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – USIM and IC card requirements (3GPP TS 21.111 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 123003 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Numbering, addressing and identification (3GPP TS 23.003 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 123122 V 16.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) functions related to Mobile Station (MS) in idle mode (3GPP TS 23.122 version 16.8.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123167 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) emergency sessions (3GPP TS 23.167 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 123228 V 16.6.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) – Stage 2 (3GPP TS 23.228 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 123273 V 16.5.0	5G – 5G System (5GS) Location Services (LCS) – Stage 2 (3GPP TS 23.273 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 123281 V 16.4.0	LTE – Functional architecture and information flows to support Mission Critical Video (MCVideo) – Stage 2 (3GPP TS 23.281 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 123282 V 16.8.0	LTE – Functional architecture and information flows to support Mission Critical Data (MCData) – Stage 2 (3GPP TS 23.282 version 16.8.0 Release 16)	33.070.99	2021-01
ETSI TS 123286 V 16.5.0	LTE – Application layer support for Vehicle-to-Everything (V2X) services – Functional architecture and information flows (3GPP TS 23.286 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 123287 V 16.5.0	5G – Architecture enhancements for 5G System (5GS) to support Vehicle-to-Everything (V2X) services (3GPP TS 23.287 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 123288 V 16.6.0	5G – Architecture enhancements for 5G System (5GS) to support network data analytics services (3GPP TS 23.288 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 123316 V 16.6.0	5G – Wireless and wireline convergence access support for the 5G System (5GS) (3GPP TS 23.316 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 123333 V 12.11.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 12.11.0 Release 12)	33.070.50	2021-01
ETSI TS 123333 V 13.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 13.7.0 Release 13)	33.070.50	2021-01
ETSI TS 123333 V 14.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 14.4.0 Release 14)	33.070.50	2021-01
ETSI TS 123333 V 15.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 15.1.0 Release 15)	33.070.50	2021-01
ETSI TS 123333 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface: Procedures descriptions (3GPP TS 23.333 version 16.1.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 123334 V 12.12.0	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 12.12.0 Release 12)	33.070.50	2021-01
ETSI TS 123334 V 13.11.0	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 13.11.0 Release 13)	33.070.50	2021-01
ETSI TS 123334 V 14.7.0	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 14.7.0 Release 14)	33.070.50	2021-01
ETSI TS 123334 V 15.2.0	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 15.2.0 Release 15)	33.070.50	2021-01
ETSI TS 123334 V 16.2.0	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 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 123401 V 16.9.0	LTE – General Packet Radio Service (GPRS) enhancements for Evolved Universal Terrestrial Radio Access Network (E-UTRAN) access (3GPP TS 23.401 version 16.9.0 Release 16)	33.070.50	2021-01
ETSI TS 123434 V 16.6.0	5G – Service Enabler Architecture Layer for Verticals (SEAL) – Functional architecture and information flows (3GPP TS 23.434 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 123501 V 15.12.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 123501 V 16.7.0	5G – System architecture for the 5G System (5GS) (3GPP TS 23.501 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 123502 V 15.12.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 123502 V 16.7.0	5G – Procedures for the 5G System (5GS) (3GPP TS 23.502 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 123503 V 16.7.0	5G – Policy and charging control framework for the 5G System (5GS) – Stage 2 (3GPP TS 23.503 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 123527 V 16.5.0	5G – 5G System – Restoration procedures (3GPP TS 23.527 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 123632 V 16.4.0	LTE – 5G – User data interworking, coexistence and migration – Stage 2 (3GPP TS 23.632 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 124007 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile radio interface signalling layer 3 – General Aspects (3GPP TS 24.007 version 16.5.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124183 V 9.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 9.11.0 Release 9)	33.070.50	2021-01
ETSI TS 124183 V 10.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 10.8.0 Release 10)	33.070.50	2021-01
ETSI TS 124183 V 11.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 11.6.0 Release 11)	33.070.50	2021-01
ETSI TS 124183 V 12.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 12.2.0 Release 12)	33.070.50	2021-01
ETSI TS 124183 V 13.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 13.2.0 Release 13)	33.070.50	2021-01
ETSI TS 124183 V 14.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 14.2.0 Release 14)	33.070.50	2021-01
ETSI TS 124183 V 15.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 15.1.0 Release 15)	33.070.50	2021-01
ETSI TS 124183 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – IP Multimedia Subsystem (IMS) Customized Ringing Signal (CRS) – Protocol specification (3GPP TS 24.183 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 124193 V 16.2.0	5G – 5G System – Access Traffic Steering, Switching and Splitting (ATSSS) – Stage 3 (3GPP TS 24.193 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 124229 V 13.19.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 13.19.0 Release 13)	33.070.50	2021-01
ETSI TS 124229 V 14.15.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 14.15.0 Release 14)	33.070.50	2021-01
ETSI TS 124229 V 15.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 124229 V 16.8.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP) – Stage 3 (3GPP TS 24.229 version 16.8.0 Release 16)	33.070.50	2021-01
ETSI TS 124250 V 16.4.0	LTE – Protocol for Reliable Data Service – Stage 3 (3GPP TS 24.250 version 16.4.0 Release 16)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124282 V 16.6.0	LTE – Mission Critical Data (MCDData) signalling control – Protocol specification (3GPP TS 24.282 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 124301 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Non-Access-Stratum (NAS) protocol for Evolved Packet System (EPS) – Stage 3 (3GPP TS 24.301 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 124371 V 12.11.0	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 12.11.0 Release 12)	33.070.99	2021-01
ETSI TS 124371 V 13.12.0	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 13.12.0 Release 13)	33.070.99	2021-01
ETSI TS 124371 V 14.9.0	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 14.9.0 Release 14)	33.070.99	2021-01
ETSI TS 124371 V 15.3.0	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 15.3.0 Release 15)	33.070.99	2021-01
ETSI TS 124371 V 16.1.0	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 16.1.0 Release 16)	33.070.99	2021-01
ETSI TS 124379 V 15.9.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 15.9.0 Release 15)	33.070.99	2021-01
ETSI TS 124379 V 16.7.0	LTE – Mission Critical Push To Talk (MCPTT) call control – Protocol specification (3GPP TS 24.379 version 16.7.0 Release 16)	33.070.99	2021-01
ETSI TS 124380 V 13.13.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 13.13.0 Release 13)	33.070.99	2021-01
ETSI TS 124380 V 14.11.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 14.11.0 Release 14)	33.070.99	2021-01
ETSI TS 124380 V 15.8.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 124380 V 16.7.0	LTE – Mission Critical Push To Talk (MCPTT) media plane control – Protocol specification (3GPP TS 24.380 version 16.7.0 Release 16)	33.070.99	2021-01
ETSI TS 124386 V 16.2.0	LTE – User Equipment (UE) to V2X control function – protocol aspects – Stage 3 (3GPP TS 24.386 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 124481 V 15.5.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 15.5.0 Release 15)	33.070.99	2021-01
ETSI TS 124481 V 16.3.0	LTE – Mission Critical Services (MCS) group management – Protocol specification (3GPP TS 24.481 version 16.3.0 Release 16)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 124484 V 15.8.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 124484 V 16.8.0	LTE – Mission Critical Services (MCS) configuration management – Protocol specification (3GPP TS 24.484 version 16.8.0 Release 16)	33.070.99	2021-01
ETSI TS 124486 V 16.2.0	LTE – 5G – Vehicle-to-Everything (V2X) Application Enabler (VAE) layer – Protocol aspects – Stage 3 (3GPP TS 24.486 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 124501 V 16.7.0	5G – Non-Access-Stratum (NAS) protocol for 5G System (5GS) – Stage 3 (3GPP TS 24.501 version 16.7.0 Release 16)	33.070.99	2021-01
ETSI TS 124502 V 15.7.0	5G – Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 15.7.0 Release 15)	33.070.99	2021-01
ETSI TS 124502 V 16.6.0	5G – Access to the 3GPP 5G Core Network (5GCN) via non-3GPP access networks (3GPP TS 24.502 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 124519 V 16.3.0	5G – 5G System (5GS) – Time-Sensitive Networking (TSN) Application Function (AF) to Device-Side TSN Translator (DS-TT) and Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.519 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124526 V 15.4.0	5G – User Equipment (UE) policies for 5G System (5GS) – Stage 3 (3GPP TS 24.526 version 15.4.0 Release 15)	33.070.99	2021-01
ETSI TS 124526 V 16.6.0	5G – User Equipment (UE) policies for 5G System (5GS) – Stage 3 (3GPP TS 24.526 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 124535 V 16.3.0	5G – 5G System (5GS) – Device-Side Time Sensitive Networking (TSN) Translator (DS-TT) to Network-Side TSN Translator (NW-TT) protocol aspects – Stage 3 (3GPP TS 24.535 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124544 V 16.3.0	5G – Group Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.544 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124545 V 16.3.0	5G – Location Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.545 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124548 V 16.2.0	5G – Network Resource Management – Service Enabler Architecture Layer for Verticals (SEAL) – Protocol specification (3GPP TS 24.548 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 124582 V 14.4.0	LTE – Mission Critical Data (MCDData) media plane control – Protocol specification (3GPP TS 24.582 version 14.4.0 Release 14)	33.070.99	2021-01
ETSI TS 124582 V 15.2.0	LTE – Mission Critical Data (MCDData) media plane control – Protocol specification (3GPP TS 24.582 version 15.2.0 Release 15)	33.070.99	2021-01
ETSI TS 124582 V 16.3.0	LTE – Mission Critical Data (MCDData) media plane control – Protocol specification (3GPP TS 24.582 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124587 V 16.3.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – Stage 3 (3GPP TS 24.587 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 124588 V 16.3.0	5G – Vehicle-to-Everything (V2X) services in 5G System (5GS) – User Equipment (UE) policies – Stage 3 (3GPP TS 24.588 version 16.3.0 Release 16)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 126074 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mandatory speech codec speech processing functions – Adaptive Multi-Rate (AMR) speech codec test sequences (3GPP TS 26.074 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 126114 V 16.8.2	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia Subsystem (IMS) – Multimedia telephony – Media handling and interaction (3GPP TS 26.114 version 16.8.2 Release 16)	33.070.50	2021-01
ETSI TS 126118 V 15.3.0	5G – Virtual Reality (VR) profiles for streaming applications (3GPP TS 26.118 version 15.3.0 Release 15)	33.070.50	2021-01
ETSI TS 126234 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Transparent end-to-end Packet-switched Streaming Service (PSS) – Protocols and codecs (3GPP TS 26.234 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 126346 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Multimedia Broadcast/Multicast Service (MBMS) – Protocols and codecs (3GPP TS 26.346 version 16.8.0 Release 16)	33.070.50	2021-01
ETSI TS 126442 V 16.1.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Codec for Enhanced Voice Services (EVS) – ANSI C code (fixed-point) (3GPP TS 26.442 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 126501 V 16.6.1	5G – 5G Media Streaming (5GMS) – General description and architecture (3GPP TS 26.501 version 16.6.1 Release 16)	33.070.50	2021-01
ETSI TS 126512 V 16.1.0	5G – 5G Media Streaming (5GMS) – Protocols (3GPP TS 26.512 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TR 126928 V 16.1.0	5G – Extended Reality (XR) in 5G (3GPP TR 26.928 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 127007 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – AT command set for User Equipment (UE) (3GPP TS 27.007 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 128201 V 16.1.0	5G – Charging management – Network slice performance and analytics charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.201 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 128202 V 16.1.0	5G – Charging management – Network slice management charging in the 5G System (5GS) – Stage 2 (3GPP TS 28.202 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 128310 V 16.3.0	5G – LTE – Management and orchestration – Energy efficiency of 5G (3GPP TS 28.310 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 128313 V 16.1.0	5G – Self-Organizing Networks (SON) for 5G networks (3GPP TS 28.313 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 128530 V 16.4.0	5G – Management and orchestration – Concepts, use cases and requirements (3GPP TS 28.530 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 128531 V 16.8.0	5G – Management and orchestration – Provisioning (3GPP TS 28.531 version 16.8.0 Release 16)	33.070.50	2021-01
ETSI TS 128532 V 16.6.0	5G – Management and orchestration – Generic management services (3GPP TS 28.532 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 128533 V 16.6.0	5G – Management and orchestration – Architecture framework (3GPP TS 28.533 version 16.6.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 128535 V 16.2.0	5G – LTE – Management and orchestration – Management services for communication service assurance – Requirements (3GPP TS 28.535 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 128536 V 16.2.1	LTE – 5G – Management and orchestration – Management services for communication service assurance – Stage 2 and stage 3 (3GPP TS 28.536 version 16.2.1 Release 16)	33.070.50	2021-01
ETSI TS 128541 V 16.7.0	5G – Management and orchestration – 5G Network Resource Model (NRM) – Stage 2 and stage 3 (3GPP TS 28.541 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 128550 V 16.7.0	5G – Management and orchestration – Performance assurance (3GPP TS 28.550 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 128552 V 16.8.0	5G – Management and orchestration – 5G performance measurements (3GPP TS 28.552 version 16.8.0 Release 16)	33.070.50	2021-01
ETSI TS 128554 V 15.5.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 15.5.0 Release 15)	33.070.50	2021-01
ETSI TS 128554 V 16.7.0	5G – Management and orchestration – 5G end to end Key Performance Indicators (KPI) (3GPP TS 28.554 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 128622 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.622 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 128623 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Telecommunication management – Generic Network Resource Model (NRM) Integration Reference Point (IRP) – Solution Set (SS) definitions (3GPP TS 28.623 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 128658 V 15.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.658 version 15.6.0 Release 15)	33.070.50	2021-01
ETSI TS 128658 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP) – Information Service (IS) (3GPP TS 28.658 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 129002 V 15.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 15.7.0 Release 15)	33.070.50	2021-01
ETSI TS 129002 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Application Part (MAP) specification (3GPP TS 29.002 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 129061 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN) (3GPP TS 29.061 version 16.2.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129122 V 15.9.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 15.9.0 Release 15)	33.070.99	2021-01
ETSI TS 129122 V 16.8.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – T8 reference point for Northbound APIs (3GPP TS 29.122 version 16.8.0 Release 16)	33.070.99	2021-01
ETSI TS 129128 V 16.2.0	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 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129222 V 15.8.0	5G – LTE – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129222 V 16.5.0	5G – LTE – Common API Framework for 3GPP Northbound APIs (3GPP TS 29.222 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 129230 V 16.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Diameter applications – 3GPP specific codes and identifiers (3GPP TS 29.230 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 129244 V 16.6.0	LTE – 5G – Interface between the Control Plane and the User Plane nodes (3GPP TS 29.244 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129272 V 16.5.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Evolved Packet System (EPS) – Mobility Management Entity (MME) and Serving GPRS Support Node (SGSN) related interfaces based on Diameter protocol (3GPP TS 29.272 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 129274 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – 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 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 129328 V 15.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia (IM) Subsystem Sh interface – Signalling flows and message contents (3GPP TS 29.328 version 15.9.0 Release 15)	33.070.50	2021-01
ETSI TS 129328 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – IP Multimedia (IM) Subsystem Sh interface – Signalling flows and message contents (3GPP TS 29.328 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 129329 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Sh interface based on the Diameter protocol – Protocol details (3GPP TS 29.329 version 15.3.0 Release 15)	33.070.50	2021-01
ETSI TS 129329 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Sh interface based on the Diameter protocol – Protocol details (3GPP TS 29.329 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 129333 V 12.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 12.9.0 Release 12)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129333 V 13.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 13.5.0 Release 13)	33.070.50	2021-01
ETSI TS 129333 V 14.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 14.2.0 Release 14)	33.070.50	2021-01
ETSI TS 129333 V 15.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 15.1.0 Release 15)	33.070.50	2021-01
ETSI TS 129333 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Multimedia Resource Function Controller (MRFC) – Multimedia Resource Function Processor (MRFP) Mp interface – Stage 3 (3GPP TS 29.333 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 129334 V 12.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 12.9.0 Release 12)	33.070.50	2021-01
ETSI TS 129334 V 13.9.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 13.9.0 Release 13)	33.070.50	2021-01
ETSI TS 129334 V 14.5.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 14.5.0 Release 14)	33.070.50	2021-01
ETSI TS 129334 V 15.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 15.2.0 Release 15)	33.070.50	2021-01
ETSI TS 129334 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – IMS Application Level Gateway (IMS-ALG) – IMS Access Gateway (IMS-AGW) – Iq Interface – Stage 3 (3GPP TS 29.334 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 129336 V 16.3.0	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 16.3.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129379 V 16.2.0	LTE – 5G – Mission Critical Push To Talk (MCPTT) call control interworking with Land Mobile Radio (LMR) systems – Stage-3 (3GPP TS 29.379 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129486 V 16.2.0	LTE – 5G – V2X Application Enabler (VAE) Services – Stage 3 (3GPP TS 29.486 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129500 V 16.6.0	5G – 5G System – Technical Realization of Service Based Architecture – Stage 3 (3GPP TS 29.500 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129503 V 16.6.0	5G – 5G System – Unified Data Management Services – Stage 3 (3GPP TS 29.503 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129504 V 16.6.0	5G – 5G System – Unified Data Repository Services – Stage 3 (3GPP TS 29.504 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129505 V 16.5.0	5G – 5G System – Usage of the Unified Data Repository services for Subscription Data – Stage 3 (3GPP TS 29.505 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 129507 V 15.8.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129507 V 16.6.0	5G – 5G System – Access and Mobility Policy Control Service – Stage 3 (3GPP TS 29.507 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129508 V 15.8.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129508 V 16.6.0	5G – 5G System – Session Management Event Exposure Service – Stage 3 (3GPP TS 29.508 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129509 V 16.6.0	5G – 5G System – Authentication Server Services – Stage 3 (3GPP TS 29.509 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129510 V 16.6.0	5G – 5G System – Network function repository services – Stage 3 (3GPP TS 29.510 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129511 V 16.3.0	5G – 5G System – Equipment Identity Register Services – Stage 3 (3GPP TS 29.511 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129512 V 15.9.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 15.9.0 Release 15)	33.070.99	2021-01
ETSI TS 129512 V 16.7.0	5G – 5G System – Session Management Policy Control Service – Stage 3 (3GPP TS 29.512 version 16.7.0 Release 16)	33.070.99	2021-01
ETSI TS 129513 V 15.9.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 15.9.0 Release 15)	33.070.99	2021-01
ETSI TS 129513 V 16.6.0	5G – 5G System – Policy and Charging Control signalling flows and QoS parameter mapping – Stage 3 (3GPP TS 29.513 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129514 V 15.8.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129514 V 16.7.0	5G – 5G System – Policy Authorization Service – Stage 3 (3GPP TS 29.514 version 16.7.0 Release 16)	33.070.99	2021-01
ETSI TS 129515 V 16.3.0	5G – 5G System – Gateway Mobile Location Services – Stage 3 (3GPP TS 29.515 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129517 V 16.3.0	5G – 5G System – Application Function Event Exposure Service – Stage 3 (3GPP TS 29.517 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129518 V 15.9.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 15.9.0 Release 15)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129518 V 16.6.0	5G – 5G System – Access and Mobility Management Services – Stage 3 (3GPP TS 29.518 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129519 V 16.6.0	5G – 5G System – Usage of the Unified Data Repository Service for Policy Data, Application Data and Structured Data for Exposure – Stage 3 (3GPP TS 29.519 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129520 V 15.8.0	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129520 V 16.6.0	5G – 5G System – Network Data Analytics Services – Stage 3 (3GPP TS 29.520 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129521 V 16.6.0	5G – 5G System – Binding Support Management Service – Stage 3 (3GPP TS 29.521 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129522 V 15.6.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 15.6.0 Release 15)	33.070.99	2021-01
ETSI TS 129522 V 16.6.0	5G – 5G System – Network Exposure Function Northbound APIs – Stage 3 (3GPP TS 29.522 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129523 V 16.4.0	5G – 5G System – Policy Control Event Exposure Service – Stage 3 (3GPP TS 29.523 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 129525 V 15.6.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 15.6.0 Release 15)	33.070.99	2021-01
ETSI TS 129525 V 16.6.0	5G – 5G System – UE Policy Control Service – Stage 3 (3GPP TS 29.525 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129526 V 16.2.0	5G – 5G System – Network Slice-Specific Authentication and Authorization (NSSAA) services – Stage 3 (3GPP TS 29.526 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129531 V 16.5.0	5G – 5G System – Network Slice Selection Services – Stage 3 (3GPP TS 29.531 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 129540 V 15.8.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129540 V 16.6.0	5G – 5G System – SMS Services – Stage 3 (3GPP TS 29.540 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129541 V 16.2.0	LTE – 5G – 5G System – Network Exposure (NE) function services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.541 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129542 V 16.3.0	LTE – 5G – 5G System – Session management services for Non-IP Data Delivery (NIDD) – Stage 3 (3GPP TS 29.542 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 129544 V 16.3.0	5G – 5G System – Secured Packet Application Function (SP-AF) services – Stage 3 (3GPP TS 29.544 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129549 V 16.2.0	5G – LTE – Service Enabler Architecture Layer for Verticals (SEAL) – Application Programming Interface (API) specification – Stage 3 (3GPP TS 29.549 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 129550 V 16.3.0	5G – 5G System – Steering of roaming application function services – Stage 3 (3GPP TS 29.550 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129551 V 15.7.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 15.7.0 Release 15)	33.070.99	2021-01
ETSI TS 129551 V 16.6.0	5G – 5G System – Packet Flow Description Management Service – Stage 3 (3GPP TS 29.551 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129554 V 16.5.0	5G – 5G System – Background Data Transfer Policy Control Service – Stage 3 (3GPP TS 29.554 version 16.5.0 Release 16)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 129561 V 15.6.0	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 15.6.0 Release 15)	33.070.99	2021-01
ETSI TS 129561 V 16.6.0	5G – 5G System – Interworking between 5G Network and external Data Networks – Stage 3 (3GPP TS 29.561 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129562 V 16.3.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with the IP Multimedia Subsystem (IMS) – Stage 3 (3GPP TS 29.562 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129563 V 16.3.0	5G – 5G System – Home Subscriber Server (HSS) services for interworking with Unified Data Management (UDM) – Stage 3 (3GPP TS 29.563 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129571 V 16.6.0	5G – 5G System – Common Data Types for Service Based Interfaces – Stage 3 (3GPP TS 29.571 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 129572 V 16.5.0	5G – 5G System – Location Management Services – Stage 3 (3GPP TS 29.572 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 129573 V 16.5.0	5G – 5G System – Public Land Mobile Network (PLMN) Interconnection – Stage 3 (3GPP TS 29.573 version 16.5.0 Release 16)	33.070.99	2021-01
ETSI TS 129582 V 16.3.0	LTE – 5G – Mission Critical Data (MCData) interworking with Land Mobile Radio (LMR) systems – Stage 3 (3GPP TS 29.582 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 129591 V 16.3.0	5G – 5G System – Network Exposure Function Southbound Services – Stage 3 (3GPP TS 29.591 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129594 V 15.8.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 15.8.0 Release 15)	33.070.99	2021-01
ETSI TS 129594 V 16.4.0	5G – 5G System – Spending Limit Control Service – Stage 3 (3GPP TS 29.594 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 129598 V 16.3.0	5G – Unstructured data storage services (3GPP TS 29.598 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 129673 V 16.3.0	LTE – 5G – 5G System – UE radio capability management services – Stage 3 (3GPP TS 29.673 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 129675 V 16.3.0	LTE – 5G – User Equipment (UE) radio capability provisioning service – Stage 3 (3GPP TS 29.675 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 131102 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Characteristics of the Universal Subscriber Identity Module (USIM) application (3GPP TS 31.102 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 131111 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Universal Subscriber Identity Module (USIM) Application Toolkit (USAT) (3GPP TS 31.111 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 131121 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 15.10.0 Release 15)	33.070.50	2021-01
ETSI TS 131121 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – UICC-terminal interface – Universal Subscriber Identity Module (USIM) application test specification (3GPP TS 31.121 version 16.2.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 131122 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Subscriber Identity Module (USIM) conformance test specification (3GPP TS 31.122 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 131124 V 15.10.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 15.10.0 Release 15)	33.070.50	2021-01
ETSI TS 131124 V 16.2.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Mobile Equipment (ME) conformance test specification – Universal Subscriber Identity Module Application Toolkit (USAT) conformance test specification (3GPP TS 31.124 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 132103 V 11.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 11.7.0 Release 11)	33.070.50	2021-01
ETSI TS 132103 V 12.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 12.3.0 Release 12)	33.070.50	2021-01
ETSI TS 132103 V 13.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 13.2.0 Release 13)	33.070.50	2021-01
ETSI TS 132103 V 14.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 14.3.0 Release 14)	33.070.50	2021-01
ETSI TS 132103 V 15.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 15.3.0 Release 15)	33.070.50	2021-01
ETSI TS 132103 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Integration Reference Point (IRP) overview and usage guide (3GPP TS 32.103 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 132158 V 16.2.0	LTE – 5G – Management and orchestration – Design rules for REpresentational State Transfer (REST) Solution Sets (SS) (3GPP TS 32.158 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 132160 V 16.4.0	LTE – 5G – Management and orchestration – Management service template (3GPP TS 32.160 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 132255 V 16.7.0	5G – Telecommunication management – Charging management – 5G data connectivity domain charging – Stage 2 (3GPP TS 32.255 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 132274 V 16.2.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Short Message Service (SMS) charging (3GPP TS 32.274 version 16.2.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 132290 V 15.7.0	5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 15.7.0 Release 15)	33.070.50	2021-01
ETSI TS 132290 V 16.6.0	5G – Telecommunication management – Charging management – 5G system – Services, operations and procedures of charging using Service Based Interface (SBI) (3GPP TS 32.290 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 132291 V 15.8.0	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 15.8.0 Release 15)	33.070.50	2021-01
ETSI TS 132291 V 16.6.1	5G – Telecommunication management – Charging management – 5G system, charging service – Stage 3 (3GPP TS 32.291 version 16.6.1 Release 16)	33.070.50	2021-01
ETSI TS 132298 V 15.12.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 132298 V 16.7.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Charging management – Charging Data Record (CDR) parameter description (3GPP TS 32.298 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 132422 V 16.4.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace control and configuration management (3GPP TS 32.422 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 132423 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Telecommunication management – Subscriber and equipment trace – Trace data definition and management (3GPP TS 32.423 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 133117 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – Catalogue of general security assurance requirements (3GPP TS 33.117 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 133126 V 16.3.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Lawful Interception requirements (3GPP TS 33.126 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 133127 V 16.6.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Lawful Interception (LI) architecture and functions (3GPP TS 33.127 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 133128 V 15.6.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 15.6.0 Release 15)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 133128 V 16.5.0	LTE – 5G – Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – Security – Protocol and procedures for Lawful Interception (LI) – Stage 3 (3GPP TS 33.128 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 133180 V 16.5.0	LTE – Security of the Mission Critical (MC) service (3GPP TS 33.180 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 133220 V 16.3.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Generic Authentication Architecture (GAA) – Generic Bootstrapping Architecture (GBA) (3GPP TS 33.220 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 133222 V 16.1.0	Digital cellular telecommunications system (Phase 2+) (GSM) – Universal Mobile Telecommunications System (UMTS) – LTE – Generic Authentication Architecture (GAA) – Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS) (3GPP TS 33.222 version 16.1.0 Release 16)	33.070.50	2021-01
ETSI TS 133310 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – Network Domain Security (NDS) – Authentication Framework (AF) (3GPP TS 33.310 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 133501 V 15.11.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 15.11.0 Release 15)	33.070.50	2021-01
ETSI TS 133501 V 16.5.0	5G – Security architecture and procedures for 5G System (3GPP TS 33.501 version 16.5.0 Release 16)	33.070.50	2021-01
ETSI TS 133512 V 16.4.0	5G – 5G Security Assurance Specification (SCAS) – Access and Mobility management Function (AMF) (3GPP TS 33.512 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 133513 V 16.2.0	5G – 5G Security Assurance Specification (SCAS) – User Plane Function (UPF) (3GPP TS 33.513 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 133514 V 16.4.0	5G – 5G Security Assurance Specification (SCAS) for the Unified Data Management (UDM) network product class (3GPP TS 33.514 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 133515 V 16.3.0	5G – 5G Security Assurance Specification (SCAS) for the Session Management Function (SMF) network product class (3GPP TS 33.515 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 133516 V 16.2.0	5G – 5G Security Assurance Specification (SCAS) for the Authentication Server Function (AUSF) network product class (3GPP TS 33.516 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 133519 V 16.2.0	5G – 5G Security Assurance Specification (SCAS) for the Network Exposure Function (NEF) network product class (3GPP TS 33.519 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 133535 V 16.2.0	5G – Authentication and Key Management for Applications (AKMA) based on 3GPP credentials in the 5G System (5GS) (3GPP TS 33.535 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 133536 V 16.2.0	LTE – 5G – Security aspects of 3GPP support for advanced Vehicle-to-Everything (V2X) services (3GPP TS 33.536 version 16.2.0 Release 16)	33.070.50	2021-01
ETSI TS 134229-2 V 15.5.0	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 15.5.0 Release 15)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 134229-3 V 15.7.0	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 15.7.0 Release 15)	33.070.50	2021-01
ETSI TS 134229-3 V 16.0.0	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 16.0.0 Release 16)	33.070.50	2021-01
ETSI TS 136300 V 14.13.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 14.13.0 Release 14)	33.070.50	2021-01
ETSI TS 136300 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 136300 V 16.4.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Overall description – Stage 2 (3GPP TS 36.300 version 16.4.0 Release 16)	33.070.50	2021-01
ETSI TS 136304 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) procedures in idle mode (3GPP TS 36.304 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 136306 V 15.10.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 15.10.0 Release 15)	33.070.50	2021-01
ETSI TS 136306 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) radio access capabilities (3GPP TS 36.306 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 136321 V 15.11.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 15.11.0 Release 15)	33.070.50	2021-01
ETSI TS 136321 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Medium Access Control (MAC) protocol specification (3GPP TS 36.321 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 136323 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Packet Data Convergence Protocol (PDCP) specification (3GPP TS 36.323 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 136331 V 12.20.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 12.20.0 Release 12)	33.070.50	2021-01
ETSI TS 136331 V 13.17.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 13.17.0 Release 13)	33.070.50	2021-01
ETSI TS 136331 V 14.16.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 14.16.0 Release 14)	33.070.50	2021-01
ETSI TS 136331 V 15.12.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 15.12.0 Release 15)	33.070.50	2021-01
ETSI TS 136331 V 16.3.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio Resource Control (RRC) – Protocol specification (3GPP TS 36.331 version 16.3.0 Release 16)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 136521-2 V 16.7.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) – User Equipment (UE) conformance specification – Radio transmission and reception – Part 2: Implementation Conformance Statement (ICS) (3GPP TS 36.521-2 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 136523-2 V 16.7.0	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 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 136579-5 V 14.1.0	LTE – Mission Critical (MC) services over LTE – Part 5: Abstract test suite (ATS) (3GPP TS 36.579-5 version 14.1.0 Release 14)	33.070.99	2021-01
ETSI TR 136903 V 15.5.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test tolerances for Radio Resource Management (RRM) conformance tests (3GPP TR 36.903 version 15.5.0 Release 15)	33.070.50	2021-01
ETSI TR 136905 V 16.6.0	LTE – Evolved Universal Terrestrial Radio Access (E-UTRA) and Evolved Universal Terrestrial Radio Access Network (E-UTRAN) – Derivation of test points for radio transmission and reception conformance test cases (3GPP TR 36.905 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 137320 V 16.3.0	Universal Mobile Telecommunications System (UMTS) – LTE – Universal Terrestrial Radio Access (UTRA) and Evolved Universal Terrestrial Radio Access (E-UTRA) – Radio measurement collection for Minimization of Drive Tests (MDT) – Overall description – Stage 2 (3GPP TS 37.320 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 137340 V 15.11.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 15.11.0 Release 15)	33.070.99	2021-01
ETSI TS 137340 V 16.4.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – NR – Multi-connectivity – Overall description – Stage-2 (3GPP TS 37.340 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 137355 V 15.1.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 15.1.0 Release 15)	33.070.50	2021-01
ETSI TS 137355 V 16.3.0	LTE – 5G – LTE Positioning Protocol (LPP) (3GPP TS 37.355 version 16.3.0 Release 16)	33.070.50	2021-01
ETSI TS 137571-1 V 16.7.0	Universal Mobile Telecommunications System (UMTS) – LTE – 5G – User Equipment (UE) conformance specification for UE positioning – Part 1: Conformance test specification (3GPP TS 37.571-1 version 16.7.0 Release 16)	33.070.50	2021-01
ETSI TS 137571-2 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 2: Protocol conformance (3GPP TS 37.571-2 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 137571-3 V 16.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 3: Implementation Conformance Statement (ICS) (3GPP TS 37.571-3 version 16.6.0 Release 16)	33.070.50	2021-01
ETSI TS 137571-4 V 15.6.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 15.6.0 Release 15)	33.070.50	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TS 137571-4 V 16.0.0	Universal Mobile Telecommunications System (UMTS) – LTE – User Equipment (UE) conformance specification for UE positioning – Part 4: Test suites (3GPP TS 37.571-4 version 16.0.0 Release 16)	33.070.50	2021-01
ETSI TR 137901-5 V 16.2.0	5G – Study on 5G NR User Equipment (UE) application layer data throughput performance (3GPP TR 37.901-5 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 138300 V 16.4.0	5G – NR – NR and NG-RAN Overall description – Stage-2 (3GPP TS 38.300 version 16.4.0 Release 16)	33.070.99	2021-01
ETSI TS 138304 V 16.3.0	5G – NR – User Equipment (UE) procedures in idle mode and in RRC Inactive state (3GPP TS 38.304 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 138305 V 15.7.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 15.7.0 Release 15)	33.070.99	2021-01
ETSI TS 138305 V 16.3.0	5G – NG Radio Access Network (NG-RAN) – Stage 2 functional specification of User Equipment (UE) positioning in NG-RAN (3GPP TS 38.305 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 138306 V 15.12.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 15.12.0 Release 15)	33.070.99	2021-01
ETSI TS 138306 V 16.3.0	5G – NR – User Equipment (UE) radio access capabilities (3GPP TS 38.306 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 138321 V 15.11.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 15.11.0 Release 15)	33.070.99	2021-01
ETSI TS 138321 V 16.3.0	5G – NR – Medium Access Control (MAC) protocol specification (3GPP TS 38.321 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 138322 V 16.2.0	5G – NR – Radio Link Control (RLC) protocol specification (3GPP TS 38.322 version 16.2.0 Release 16)	33.070.99	2021-01
ETSI TS 138331 V 15.12.0	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 15.12.0 Release 15)	33.070.99	2021-01
ETSI TS 138331 V 16.3.1	5G – NR – Radio Resource Control (RRC) – Protocol specification (3GPP TS 38.331 version 16.3.1 Release 16)	33.070.99	2021-01
ETSI TS 138340 V 16.3.0	5G – NR – Backhaul Adaptation Protocol (BAP) specification (3GPP TS 38.340 version 16.3.0 Release 16)	33.070.99	2021-01
ETSI TS 138508-2 V 16.6.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Common Implementation Conformance Statement (ICS) proforma (3GPP TS 38.508-2 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 138521-4 V 16.6.0	5G – NR – User Equipment (UE) conformance specification – Radio transmission and reception – Part 4: Performance (3GPP TS 38.521-4 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 138522 V 16.6.0	5G – NR – User Equipment (UE) conformance specification – Applicability of radio transmission, radio reception and radio resource management test cases (3GPP TS 38.522 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 138523-2 V 16.6.0	5G – 5GS – User Equipment (UE) conformance specification – Part 2: Applicability of protocol test cases (3GPP TS 38.523-2 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI TS 138523-3 V 16.0.0	5G – 5GS – User Equipment (UE) conformance specification – Part 3: Protocol Test Suites (3GPP TS 38.523-3 version 16.0.0 Release 16)	33.070.99	2021-01
ETSI TR 138903 V 16.6.0	5G – NR – Derivation of test tolerances and measurement uncertainty for User Equipment (UE) conformance test cases (3GPP TR 38.903 version 16.6.0 Release 16)	33.070.99	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ETSI TR 138905 V 16.6.0	5G – NR – Derivation of test points for radio transmission and reception User Equipment (UE) conformance test cases (3GPP TR 38.905 version 16.6.0 Release 16)	33.070.99	2021-01
ETSI ES 201980 V 4.2.1	Digital Radio Mondiale (DRM) – System Specification	33.170	2021-01
ETSI ES 202706-1 V 1.6.1	Environmental Engineering (EE) – Metrics and measurement method for energy efficiency of wireless access network equipment – Part 1: Power consumption – static measurement method	33.040.01	2021-01
ETSI GR CDM 001 V 1.1.1	Common Information Sharing Environment Service and Data Model (CDM) – Use Cases definition	03.220.40; 35.240.60	2021-01
ETSI GS NFV-SOL 013 V 3.4.1	Network Functions Virtualisation (NFV) Release 3 – Protocols and Data Models – Specification of common aspects for RESTful NFV MANO APIs	35.110	2021-01
ETSI GS NFV 006 V 2.1.1	Network Functions Virtualisation (NFV) Release 2 – Management and Orchestration – Architectural Framework Specification	33.040.40; 35.110	2021-01
EN 303276 V 1.2.1	Maritime Broadband Radiolink operating within the bands 5852 MHz to 5872 MHz and/or 5880 MHz to 5900 MHz for ships and off-shore installations engaged in coordinated activities – Harmonised Standard for access to radio spectrum	33.060.20; 47.020.70	2021-01

Međunarodna normizacija (ISO)

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 939	Spices and condiments – Determination of moisture content	67.220.10	2021-01
ISO 1973	Textile fibres – Determination of linear density – Gravimetric method and vibroscope method	59.060.01	2021-01
ISO 2928	Rubber hoses and hose assemblies for liquefied petroleum gas (LPG) in the liquid or gaseous phase and natural gas up to 2,5 MPa (25 bar) – Specification	75.200; 83.140.40	2021-01
ISO 3455	Hydrometry – Calibration of current-meters in straight open tanks	17.120.20	2021-01
ISO 3861	Rubber hoses and hose assemblies for sand and grit blasting – Specification	25.220.10; 83.140.40	2021-01
ISO 4406	Hydraulic fluid power – Fluids – Method for coding the level of contamination by solid particles	23.100.60; 75.120	2021-01
ISO 5149-1 AMD 2	Refrigerating systems and heat pumps – Safety and environmental requirements – Part 1: Definitions, classification and selection criteria – Amendment 2: Update of Annex A and the refrigerant tables	27.080; 27.200	2021-01
ISO 5348	Mechanical vibration and shock – Mechanical mounting of accelerometers	17.160	2021-01
ISO 5840-1	Cardiovascular implants – Cardiac valve prostheses – Part 1: General requirements	11.040.40	2021-01
ISO 5840-2	Cardiovascular implants – Cardiac valve prostheses – Part 2: Surgically implanted heart valve substitutes	11.040.40	2021-01
ISO 5840-3	Cardiovascular implants – Cardiac valve prostheses – Part 3: Heart valve substitutes implanted by transcatheter techniques	11.040.40	2021-01
ISO 6002	Industrial valves – Bolted bonnet steel gate valves	23.060.30	2021-01
ISO 7961	Aerospace – Bolts – Test methods	49.030.20	2021-01
ISO 7970	Wheat (<i>Triticum aestivum</i> L.) – Specification	67.060	2021-01
ISO 8092-5	Road vehicles – Connections for on-board electrical wiring harnesses – Part 5: Test methods and general performance requirements for wiring harness connector operation	43.040.10	2021-01
ISO 8102-2	Electrical requirements for lifts, escalators and moving walks – Part 2: Electromagnetic compatibility with regard to immunity	91.140.90	2021-01
ISO 8407	Corrosion of metals and alloys – Removal of corrosion products from corrosion test specimens	77.060	2021-01
ISO 8930	General principles on reliability for structures – Vocabulary	01.040.91; 91.080.01	2021-01
ISO 9073-4	Nonwovens – Test methods – Part 4: Determination of tear resistance by the trapezoid procedure	59.080.30	2021-01
ISO 10993-12	Biological evaluation of medical devices – Part 12: Sample preparation and reference materials	11.100.20	2021-01
ISO 10993-23	Biological evaluation of medical devices – Part 23: Tests for irritation	11.100.20	2021-01
ISO 11227 AMD 1	Space systems – Test procedure to evaluate spacecraft material ejecta upon hypervelocity impact – Amendment 1: Oblique impacts and Annex C update	49.140	2021-01
ISO 11358-2	Plastics – Thermogravimetry (TG) of polymers – Part 2: Determination of activation energy	83.080.01	2021-01
ISO 11358-3	Plastics – Thermogravimetry (TG) of polymers – Part 3: Determination of the activation energy using the Ozawa-Friedman plot and analysis of the reaction kinetics	83.080.01	2021-01
ISO 11410	Leather – Guidelines for packaging of wet blue leather	59.140.30	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 11819-3	Acoustics – Measurement of the influence of road surfaces on traffic noise – Part 3: Reference tyres	17.140.30	2021-01
ISO 13044-2	Road vehicles – Fully automatic coupling systems 24 V (FACS) for heavy commercial vehicle combinations – Part 2: Electrical and pneumatic interface for 50 mm fifth wheel couplings	43.040.70	2021-01
ISO 13919-2	Electron and laser-beam welded joints – Requirements and recommendations on quality levels for imperfections – Part 2: Aluminium, magnesium and their alloys and pure copper	25.160.40	2021-01
ISO/TS 14778	Paper and board – Measurement of water contact angle by optical methods	85.060	2021-01
ISO 15370	Ships and marine technology – Low-location lighting (LLL) on passenger ships – Arrangement	47.020.99	2021-01
ISO 15501-1 AMD 1	Road vehicles – Compressed natural gas (CNG) fuel systems – Part 1: Safety requirements; Amendment 1	43.060.40	2021-01
ISO 15854	Dentistry – Casting and baseplate waxes	11.060.10	2021-01
ISO 16073-6	Wildland firefighting personal protective equipment – Requirements and test methods – Part 6: Footwear	13.340.50	2021-01
ISO 16140-3	Microbiology of the food chain – Method validation – Part 3: Protocol for the verification of reference methods and validated alternative methods in a single laboratory	07.100.30	2021-01
ISO/TR 16312-2	Guidance for assessing the validity of physical fire models for obtaining fire effluent toxicity data for fire hazard and risk assessment – Part 2: Evaluation of individual physical fire models	13.220.99	2021-01
ISO 16474-3	Paints and varnishes – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps	87.040	2021-01
ISO 16549	Textiles – Unevenness of textile strands – Capacitance method	59.060.01	2021-01
ISO 16640	Monitoring radioactive gases in effluents from facilities producing positron emitting radionuclides and radiopharmaceuticals	13.030.30; 13.280	2021-01
ISO/TR 17321-5	Graphic technology and photography – Colour characterization of digital still cameras (DSCs) – Part 5: Colour targets including saturated colours for colour characteristic evaluation test for colorimetric image capture	37.040.10	2021-01
ISO 17420-1	Respiratory protective devices – Performance requirements – Part 1: General	13.340.30	2021-01
ISO 17420-2	Respiratory protective devices – Performance requirements – Part 2: Requirements for filtering RPD	13.340.30	2021-01
ISO 17420-4	Respiratory protective devices – Performance requirements – Part 4: Requirements for supplied breathable gas RPD	13.340.30	2021-01
ISO 18530	Health informatics – Automatic identification and data capture marking and labelling – Subject of care and individual provider identification	35.240.80	2021-01
ISO 18595	Resistance welding – Spot welding of aluminium and aluminium alloys – Weldability, welding and testing	25.160.10	2021-01
ISO 19587	Fine ceramics (advanced ceramics, advanced technical ceramics) – Mechanical properties of ceramic composites at elevated temperature in air atmospheric pressure – Determination of in-plane shear strength	81.060.30	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO 19609-1	Traditional Chinese medicine – Quality and safety of raw materials and finished products made with raw materials – Part 1: General requirements	11.120.10	2021-01
ISO 19609-2	Traditional Chinese medicine – Quality and safety of raw materials and finished products made with raw materials – Part 2: Identity testing of constituents of herbal origin	11.120.10	2021-01
ISO 19723-1 AMD 1	Road vehicles – Liquefied natural gas (LNG) fuel systems – Part 1: Safety requirements; Amendment 1	43.060.40	2021-01
ISO 20043-1	Measurement of radioactivity in the environment – Guidelines for effective dose assessment using environmental monitoring data – Part 1: Planned and existing exposure situation	13.280; 17.240	2021-01
ISO 20480-4	Fine bubble technology – General principles for usage and measurement of fine bubbles – Part 4: Terminology related to microbubble beds	01.040.07; 07.030	2021-01
ISO 20596-2	Water quality – Determination of cyclic volatile methylsiloxanes in water – Part 2: Method using liquid-liquid extraction with gas chromatography-mass spectrometry (GC-MS)	13.060.50	2021-01
ISO/TR 21186-1	Cooperative intelligent transport systems (C-ITS) – Guidelines on the usage of standards – Part 1: Standardization landscape and releases	01.120; 03.220.01; 35.240.60	2021-01
ISO 21304-2	Plastics – Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials – Part 2: Preparation of test specimens and determination of properties	83.080.20	2021-01
ISO 21498-1	Electrically propelled road vehicles – Electrical specifications and tests for voltage class B systems and components – Part 1: Voltage sub-classes and characteristics	43.120	2021-01
ISO 21644	Solid recovered fuels – Methods for the determination of biomass content	75.160.10	2021-01
ISO 22013	Marine environment sensor performance – Specifications, testing and reporting – General requirements	47.020.99	2021-01
ISO 22040	Life cycle management of concrete structures	91.080.40	2021-01
ISO/TR 22100-1	Safety of machinery – Relationship with ISO 12100 – Part 1: How ISO 12100 relates to type-B and type-C standards	13.110	2021-01
ISO/TR 22100-5	Safety of machinery – Relationship with ISO 12100 – Part 5: Implications of artificial intelligence machine learning	13.110	2021-01
ISO 22172-2	Agricultural vehicles – Standardized access to repair and maintenance information (RMI) – Part 2: Vehicle on-board diagnostics	65.060.01	2021-01
ISO 22192	Bunkering of marine fuel using the Coriolis mass flow meter (MFM) system	75.180.30	2021-01
ISO/TS 22272	Health Informatics – Methodology for analysis of business and information needs of health enterprises to support standards based architectures	35.240.80	2021-01
ISO 22308-1	Cork bark selected as bottling product – Part 1: Sensory evaluation – Methodology for sensory evaluation by soaking	67.240; 79.100	2021-01
ISO 22341	Security and resilience – Protective security – Guidelines for crime prevention through environmental design	03.100.01; 13.310	2021-01
ISO/TR 22411	Ergonomics data for use in the application of ISO/IEC Guide 71:2014	01.120; 11.180.01	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
ISO/TS 22421	Sterilization of health care products – Common requirements for sterilizers for terminal sterilization of medical devices in health care facilities	11.080.01	2021-01
ISO 22821	Carbon-fibre-reinforced composites – Determination of fibre weight content by thermogravimetry (TG)	83.120	2021-01
ISO 22841	Composites and reinforcements fibres – Carbon fibre reinforced plastics(CFRPs) and metal assemblies – Determination of the tensile lap-shear strength	83.120	2021-01
ISO 22868	Forestry and gardening machinery – Noise test code for portable hand-held machines with internal combustion engine – Engineering method (Grade 2 accuracy)	13.140; 17.140.20; 65.060.80	2021-01
ISO 23133	Nuclear criticality safety – Nuclear criticality safety training for operations	03.100.30; 27.120.20	2021-01
ISO/TS 23362	Nanotechnologies – Nanostructured porous alumina as catalyst support for vehicle exhaust emission control – Specification of characteristics and measurement methods	07.120; 43.060.20	2021-01
ISO/TS 23459	Nanotechnologies – Assessment of protein secondary structure during an interaction with nanomaterials using ultraviolet circular dichroism	07.120	2021-01
ISO 23598	Mechanical joining of sheet materials – Destructive testing of joints – Specimen dimensions and procedure for mechanized peel testing of single joints	25.160.40	2021-01
ISO 23694	Wrought magnesium and magnesium alloys – Extruded rods/bars and tubes	77.150.01	2021-01
ISO 23864	Non-destructive testing of welds – Ultrasonic testing – Use of automated total focusing technique (TFM) and related technologies	25.160.40	2021-01
ISO 24014-1	Public transport – Interoperable fare management system – Part 1: Architecture	03.220.01; 35.240.60	2021-01
ISO 24081	Ground cassava leaves (Isombe) – Specification	67.080.20	2021-01
ISO 24613-4	Language resource management – Lexical markup framework (LMF) – Part 4: TEI serialization	01.020	2021-01

Međunarodna normizacija (IEC)

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 60050-121 AMD 4	International Electrotechnical Vocabulary (IEV) – Part 121: Electromagnetism; Amendment 4	01.040.17; 01.040.29; 17.220.01; 29.020	2021-01
IEC 60076-22-5	Power transformers – Part 22-5: Power transformer and reactor fittings – Electric pumps for transformers	29.180	2021-01
IEC 60076-22-6	Power transformers – Part 22-6: Power transformer and reactor fittings – Electric fans for transformers	29.180	2021-01
IEC 60092-360	Electrical installations in ships – Part 360: Insulating and sheathing materials for shipboard and offshore units, power, control, instrumentation and telecommunication cables	47.020.60	2021-01
IEC 60305	Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic or glass insulator units for AC systems – Characteristics of insulator units of the cap and pin type	29.080.10; 29.240.20	2021-01
IEC 60433	Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic insulators for AC systems – Characteristics of insulator units of the long rod type	29.080.10; 29.240.20	2021-01
IEC 60601-1-3 AMD 2	Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment; Amendment 2	11.040.50; 13.280	2021-01
IEC 60601-1-3 Edition 2.2	Medical electrical equipment – Part 1-3: General requirements for basic safety and essential performance – Collateral Standard: Radiation protection in diagnostic X-ray equipment	11.040.50; 13.280	2021-01
IEC/TR 60601-4-5	Medical electrical equipment – Part 4-5: Guidance and interpretation – Safety-related technical security specifications	11.040.01	2021-01
IEC 60730-2-5 AMD 2	Automatic electrical controls – Part 2-5: Particular requirements for automatic electrical burner control systems; Amendment 2	97.120	2021-01
IEC 60730-2-5 Edition 4.2	Automatic electrical controls – Part 2-5: Particular requirements for automatic electrical burner control systems	97.120	2021-01
IEC 60747-17 Corrigendum 1	Semiconductor devices – Part 17: Magnetic and capacitive coupler for basic and reinforced insulation; Corrigendum 1	31.080.01	2021-01
IEC 60794-1-2	Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures – General guidance	33.180.10	2021-01
IEC 60794-3-12	Optical fibre cables – Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling	33.180.10	2021-01
IEC 61083-1	Instruments and software used for measurements in high-voltage and high-current tests – Part 1: Requirements for instruments for impulse tests	17.220.20; 19.080	2021-01
IEC 61156-12	Multicore and symmetrical pair/quad cables for digital communications – Part 12: Symmetrical single pair cables with transmission characteristics up to 600 MHz – Work area wiring – Sectional specification	33.120.20	2021-01
IEC 61169-15	Radio-frequency connectors – Part 15: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling – Characteristic impedance 50 (type SMA)	33.120.30	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 61169-65	Radio-frequency connectors – Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50	33.120.30	2021-01
IEC/TR 61188-8	Circuit boards and circuit board assemblies – Design and use – Part 8: 3D shape data for CAD component library	31.180; 31.190	2021-01
IEC 61189-5-501	Test methods for electrical materials, printed boards and other interconnection structures and assemblies – Part 5-501: General test methods for materials and assemblies – Surface insulation resistance (SIR) testing of solder fluxes	31.180	2021-01
IEC 61800-1	Adjustable speed electrical power drive systems – Part 1: General requirements – Rating specifications for low voltage adjustable speed DC power drive systems	29.160.30; 29.200	2021-01
IEC/TS 61994-3	Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection – Glossary – Part 3: Piezoelectric, dielectric and electrostatic oscillators	01.040.31; 31.140	2021-01
IEC/TR 62222	Fire performance of communication cables installed in buildings	13.220.40; 33.120.10; 33.120.20	2021-01
IEC/TR 62271-312	High-voltage switchgear and controlgear – Part 312: Guidance for the transferability of type tests of high-voltage/ low-voltage prefabricated substations	29.130.10	2021-01
IEC/TS 62282-9-102	Fuel cell technologies – Part 9-102: Evaluation methodology for the environmental performance of fuel cell power systems based on life cycle thinking – Product category rules for environmental product declarations of stationary fuel cell power systems and alternative systems for residential applications	27.070	2021-01
IEC 62485-6	Safety requirements for secondary batteries and battery installations – Part 6: Safe operation of lithium ion batteries in traction applications	29.220.20; 29.220.30	2021-01
IEC/TS 62607-8-2	Nanomanufacturing – Key control characteristics – Part 8-2: Nano-enabled metal-oxide interfacial devices – Test method for the polarization properties by thermally stimulated depolarization current	07.030; 07.120	2021-01
IEC 62830-5	Semiconductor devices – Semiconductor devices for energy harvesting and generation – Part 5: Test method for measuring generated power from flexible thermoelectric devices	31.080.99	2021-01
IEC 62899-302-3	Printed electronics – Part 302-3: Equipment – Inkjet – Imaging-based measurement of drop direction	19.080; 31.180; 37.100.10	2021-01
IEC/TS 62966-3	Mechanical structures for electrical and electronic equipment – Aisle containment for it cabinets – Part 3: Aspects of operational and personal safety	31.240	2021-01
IEC 62973-4	Railway applications – Rolling stock – Batteries for auxiliary power supply systems – Part 4: Secondary sealed nickel-metal hydride batteries	29.220.01; 45.060.01	2021-01
IEC 62975	Natural esters – Guidelines for maintenance and use in electrical equipment	29.040.10	2021-01
IEC 62977-2-1	Electronic displays – Part 2-1: Measurements of optical characteristics – Fundamental measurements	31.120; 31.260	2021-01
IEC/TS 63058	Switchgear and controlgear and their assemblies for low voltage – Environmental aspects	13.020.01; 13.020.30; 29.130.20	2021-01
IEC/TS 63105	Lighting systems and related equipment – Vocabulary	01.040.91; 29.140.01; 29.140.99; 91.160.01	2021-01

Oznaka norme	Naslov norme	ICS	Datum objave
IEC 63115-2	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Sealed nickel-metal hydride cells and batteries for use in industrial applications – Part 2: Safety	29.220.30	2021-01
IEC/PAS 63312	Technical specification for flame detector system of boiler	27.060.01	2021-01
ISO/IEC 14496-32	Information technology – Coding of audio-visual objects – Part 32: File format reference software and conformance	35.040.40	2021-01
ISO/IEC 17991	Information technology – Office equipment – Method for measuring scanning productivity of digital scanning devices	37.100.10	2021-01
ISO/IEC 23002-7	Information technology – MPEG video technologies – Part 7: Versatile supplemental enhancement information messages for coded video bitstreams	35.040.40	2021-01
ISO/IEC 24711	Information technology – Office equipment – Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components	37.100.10	2021-01
ISO/IEC TS 27570	Privacy protection – Privacy guidelines for smart cities	35.030	2021-01
ISO/IEC 29121	Information technology – Digitally recorded media for information interchange and storage – Data migration method for optical disks for long-term data storage	35.220.30	2021-01
ISO/IEC 30190	Information technology – Digitally recorded media for information interchange and storage – 120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Recordable disk	35.220.30	2021-01
ISO/IEC 30191	Information technology – Digitally recorded media for information interchange and storage – 120 mm Triple Layer (100,0 Gbytes single sided disk and 200,0 Gbytes double sided disk) and Quadruple Layer (128,0 Gbytes single sided disk) BD Recordable disk	35.220.30	2021-01
ISO/IEC 30192	Information technology – Digitally recorded media for information interchange and storage – 120 mm Single Layer (25,0 Gbytes per disk) and Dual Layer (50,0 Gbytes per disk) BD Rewritable disk	35.220.30	2021-01