

# SFS:n luettelo 3/2016

## Sisällys

**Uudet SFS-standardit s. 1**

**Kumotut SFS-standardit s. 60**

**Uudet CENin julkaisut s. 60**

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## Uudet SFS-standardit

Tässä luettelossa mainitaan huhti-toukokuussa 2016 vahvistetut SFS-standardit SFS-ICS-ryhmittäin. Merkintä /A1 tunnuksen lopussa tarkoittaa, että kyseessä on lisäys A1 alkuperäiseen standardiin. Merkintä +A1 tunnuksen lopussa tarkoittaa, että standardi sisältää muutoksen A 1. Standardin tunnuksen jälkeen on mainittu vahvistuspäivä. Standardit, jotka uusi standardi korvaa, on mainittu kunkin uuden standardin tiedoissa.

Standardeja myy SFS-standardisoinnin asiakaspalvelu, puh. 09 149 9331 (vaihde). Niitä voi ladata omalle koneelle SFS:n verkkokaupasta <http://sales.sfs.fi>. Sähköiset englanninkieliset versiot ovat saatavissa noin kahden viikon sisällä vahvistuspäivästä. Suomennotokset ovat yleensä saatavissa 1 – 2 kuukauden kuluttua vahvistuspäivästä, joskus aikaa voi mennä paljonkin enemmän

Osa standardeista liittyy CE-merkintää edellyttäviin uuden lähestymistavan direktiiveihin.

### **01.020 Terminologia (periaatteet ja koordinointi)**

SFS-EN ISO 16278:en, 2016-04-01

Health informatics. Categorical structure for terminological systems of human anatomy (ISO 16278:2016)

Julkaisukieli: en

### **01.040.11 Terveydenhuollon teknologia (Sanastot)**

SFS-EN ISO 15225:en, 2016-04-15

Terveydenhuollon laitteet ja tarvikkeet. Laadunhallinta. Nimikkeistön tietorakenne

Medical devices. Quality management. Medical device nomenclature data structure (ISO 15225:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15225:2010

SFS-EN ISO 15225:en:2010

SFS-EN ISO 18739:en, 2016-04-15

Hammaslääketiede. CAD/CAM-järjestelmien prosessiketjua koskeva sanasto

Dentistry. Vocabulary of process chain for CAD/CAM systems (ISO 18739:2016)

Julkaisukieli: en

### **01.040.19 Testaus (Sanastot)**

SFS-EN ISO 12707:2016, 2016-04-15

Rikkomaton aineenkoetus. Magneettijauh tarkastus. Sanasto

Non-destructive testing. Magnetic particle testing. Vocabulary (ISO 12707:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN 1330-7:en:2005

SFS-EN ISO 12707:en, 2016-04-15

Rikkomaton aineenkoetus. Magneettijauh tarkastus. Sanasto

Non-destructive testing. Magnetic particle testing. Vocabulary (ISO 12707:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 1330-7:en:2005

### **01.040.25 Valmistustekniikka (Sanastot)**

SFS-ISO/ASTM 52900:2016, 2016-05-20

Materiaalia lisäävä valmistus. Yleiset periaatteet. Terminologia

Additive manufacturing -- General principles -- Terminology

Julkaisukieli: fi/en

SFS-ISO/ASTM 52900:2016:en, 2016-05-20

Materiaalia lisäävä valmistus. Yleiset periaatteet. Terminologia

Additive manufacturing -- General principles -- Terminology

Julkaisukieli: en

### **01.040.27 Energian- ja lämmönsiirtotekniikka (Sanastot)**

SFS 3975, 2016-05-13

Teollisuuseristykset. Putki-, säiliö- ja laite-eristykset. Käsitteet ja määritelmät

Insulation of pipes, vessels and equipment. Terms and definitions

Julkaisukieli: fi/en

Korvaa:

SFS 3975:1996

### **01.040.31 Elektroniikka (Sanastot)**

SFS-EN ISO 11145:en, 2016-04-08

Optiikka ja fotonikka. Laserit ja lasereihin liittyvät laitteet. Sanasto ja symbolit

Optics and photonics. Lasers and laser-related equipment. Vocabulary and symbols (ISO 11145:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 11145:en:2009

### **01.040.35 Tietotekniikka. Toimistotekniikka (Sanastot)**

SFS-EN ISO 15225:en, 2016-04-15

Terveysthuollon laitteet ja tarvikkeet. Laadunhallinta. Nimikkeistön tietorakenne

Medical devices. Quality management. Medical device nomenclature data structure (ISO 15225:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15225:2010

SFS-EN ISO 15225:en:2010

### **01.040.59 Tekstiili- ja nahkateollisuus (Sanastot)**

SFS 5236, 2016-04-15

Tekstiilien hoito-ohjemerkinä. Sanalliset ohjeet

Care Labelling of Textiles. Care maintenance terms

Julkaisukieli: fi

Korvaa:

SFS 5236:2003

### **01.075 Kirjain- ja numerotunnukset**

SFS-EN ISO 11145:en, 2016-04-08

Optiikka ja fotonikka. Laserit ja lasereihin liittyvät laitteet. Sanasto ja symbolit

Optics and photonics. Lasers and laser-related equipment. Vocabulary and symbols (ISO 11145:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 11145:en:2009

### **01.080.40 Sähkö- ja elektroniikkateollisuuden piirustuksissa, kaavioissa, taulukoissa ja muussa teknisessä tuotedokumentaatioissa käytettävät piirrosmerkit**

SFS-EN ISO 11145:en, 2016-04-08

Optiikka ja fotonikka. Laserit ja lasereihin liittyvät laitteet. Sanasto ja symbolit

Optics and photonics. Lasers and laser-related equipment. Vocabulary and symbols (ISO 11145:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 11145:en:2009

### **01.080.99 Muut kuvatunnukset ja piirrosmerkit**

SFS 5236, 2016-04-15

Tekstiilien hoito-ohjemerkinä. Sanalliset ohjeet

Care Labelling of Textiles. Care maintenance terms

Julkaisukieli: fi

Korvaa:

SFS 5236:2003

### **01.100.20 Koneenpiirustus**

SFS-EN ISO 3040:2016:en, 2016-05-13

Geometrisen tuotemäärittely (GPS). Mitoittaminen ja tolerointi. Kartiot

Geometrical product specifications (GPS). Dimensioning and tolerancing. Cones (ISO 3040:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 3040:2012

SFS-EN ISO 3040:en:2012

### **03.080 Palvelut**

SFS-EN 13269:2016:en, 2016-05-27

Maintenance. Guideline on preparation of maintenance contracts

Julkaisukieli: en

Korvaa:

SFS-EN 13269:en:2006

### **03.220 Kuljetus**

SFS-EN ISO 24534-3:en, 2016-04-29

Älykkään liikenteen järjestelmät. Automaattinen ajoneuvon ja laitteen tunnistus. Sähköinen kirjoittautumisen tunnistus (ERI). Osa 3: Ajoneuvotieto

Intelligent transport systems. Automatic vehicle and equipment identification. Electronic registration identification (ERI) for vehicles. Part 3: Vehicle data (ISO 24534-3:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 24534-3:en:2010

### **03.240 Postipalvelut**

SFS-EN 14534:2016:en, 2016-05-20

Postipalvelut. Palvelun laatu. Joukkolähetysten kulkunopeuden mittaaminen

Postal services. Quality of service. Measurement of the transit time of end-to-end services for bulk mail

Julkaisukieli: en

Korvaa:

SFS-EN 14534 + A1:en:2010

### **07.100.30 Elintarvikemikrobiologia**

SFS-EN ISO 18744:en, 2016-04-22

Microbiology of the food chain. Detection and enumeration of Cryptosporidium and Giardia in fresh leafy green vegetables and berry fruits (ISO 18744:2016)

Julkaisukieli: en

### **11.040 Lääkinnälliset laitteet**

SFS-EN ISO 10322-1:en, 2016-04-01

Silmälääketiede. Silmälasien linssiäihiot. Osa 1: Yksiteho- ja moniteholinssiäihioiden määrittelyt

Ophthalmic optics. Semi-finished spectacle lens blanks. Part 1: Specifications for single-vision and multifocal lens blanks (ISO 10322-1:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 10322-1:en:2006

SFS-EN ISO 10322-2:en, 2016-04-01

Silmälääketiede. Silmälasien linssiaihiot. Osa 2: Rajattomien moniteholinssiaihioiden määrittelyt  
Ophthalmic optics. Semi-finished spectacle lens blanks. Part 2: Specifications for progressive-power and degressive-power lens blanks (ISO 10322-2:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 10322-2:en:2006

SFS-EN ISO 10685-2:en, 2016-04-08

Silmälääketieteellinen optiikka. Aurinko- ja silmälasit. Sähköinen kuvasto ja tunnisteet. Osa 2: Kaupalliset tiedot

Ophthalmic optics. Spectacle frames and sunglasses electronic catalogue and identification. Part 2: Commercial information (ISO 10685-2:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 10685-2:en:2013

SFS-EN ISO 15225:en, 2016-04-15

Terveydenhuollon laitteet ja tarvikkeet. Laadunhallinta. Nimikkeistön tietorakenne  
Medical devices. Quality management. Medical device nomenclature data structure (ISO 15225:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15225:2010

SFS-EN ISO 15225:en:2010

SFS-EN ISO 80369-6:en, 2016-04-22

Terveydenhuollossa nesteiden ja kaasujen kuljettamisessa käytettävät pienikaliiperiset liittimet. Osa 6: Selkäydinsovellusten liittimet

Small bore connectors for liquids and gases in healthcare applications. Part 6: Connectors for neuraxial applications (ISO 80369-6:2016)

Julkaisukieli: en

SFS-EN ISO 8537:en, 2016-04-22

Steriilit kertakäyttöiset insuliiniruiskut, neulattomat ja neulalliset  
Sterile single-use syringes, with or without needle, for insulin (ISO 8537:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 8537:en:2008

## **11.060 Hammaslääketiede**

SFS-EN ISO 18556:en, 2016-04-29

Hammaslääketiede. Lastaimet

Dentistry. Intraoral spatulas (ISO 18556:2016)

Julkaisukieli: en

SFS-EN ISO 18739:en, 2016-04-15

Hammaslääketiede. CAD/CAM-järjestelmien prosessiketjua koskeva sanasto

Dentistry. Vocabulary of process chain for CAD/CAM systems (ISO 18739:2016)

Julkaisukieli: en

SFS-EN ISO 2157:2016:en, 2016-05-27

Hammaslääketiede. Pyörivien instrumenttien nimellimitat ja koodinumerot

Dentistry. Nominal diameters and designation code numbers for rotary instruments (ISO 2157:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 2157:en:1995

SFS-EN ISO 3950:en, 2016-04-22

Hammaslääketiede. Hampaiden ja suuontelon nimikejärjestelmä

Dentistry. Designation system for teeth and areas of the oral cavity (ISO 3950:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 3950:en:2009

SFS-EN ISO 7787-1:2016:en, 2016-05-27

Hammaslääketiede. Laboratorioissa käytettävät leikkurit. Osa 1: Teräksiset leikkurit

Dentistry. Laboratory cutters. Part 1: Steel laboratory cutters (ISO 7787-1:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 27787-1:en:1991

### **13.020.50 Ympäristömerkintä**

SFS-EN ISO 14021, 2016-04-22

Ympäristömerkit ja ympäristöselosteet. Omaehtoiset ympäristöväittämät (tyypin II ympäristöselosteet)

Environmental labels and declarations. Self-declared environmental claims (Type II environmental labelling) (ISO 14021:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN ISO 14021 + A1:2012

SFS-EN ISO 14021 + A1 KUVAT:2013

SFS-EN ISO 14021/A1:en:2012

SFS-EN ISO 14021:en, 2016-04-22

Ympäristömerkit ja ympäristöselosteet. Omaehtoiset ympäristöväittämät (tyypin II ympäristöselosteet)

Environmental labels and declarations. Self-declared environmental claims (Type II environmental labelling) (ISO 14021:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 14021 + A1:2012

SFS-EN ISO 14021 + A1 KUVAT:2013

SFS-EN ISO 14021/A1:en:2012

### **13.020.60 Tuotteen elinkaari**

SFS-EN 16751:en, 2016-04-15

Biopohjaiset tuotteet. Kestävyysskriteerit

Bio-based products. Sustainability criteria

Julkaisukieli: en

### **13.030 Jätehuolto**

SFS-EN 16720-1:2016:en, 2016-05-27

Characterization of sludges. Physical consistency. Part 1: Determination of flowability. Method by extrusion tube apparatus

Julkaisukieli: en

### **13.040 Ilman laatu**

SFS-EN 50545-1/A1:en, 2016-04-08

Electrical apparatus for the detection and measurement of toxic and combustible gases in car parks and tunnels - Part 1: General performance requirements and test methods for the detection and measurement of carbon monoxide and nitrogen oxides

Julkaisukieli: en

### **13.060 Veden laatu**

SFS-EN 16772:2016:en, 2016-05-06

Water quality. Guidance on methods for sampling invertebrates in the hyporheic zone of rivers

Julkaisukieli: en

SFS-EN ISO 17943:en, 2016-04-29

Water quality. Determination of volatile organic compounds in water. Method using headspace solid-phase micro-extraction (HS-SPME) followed by gas chromatography-mass spectrometry (GC-MS) (ISO 17943:2016)

Julkaisukieli: en

SFS-EN ISO 18635:en, 2016-04-29

Water quality. Determination of short-chain polychlorinated alkanes (SCCPs) in sediment, sewage sludge and suspended (particulate) matter. Method using gas chromatography-mass spectrometry (GC-MS) and electron capture negative ionization (ECNI) (ISO 18635:2016)

Julkaisukieli: en

### **13.080 Maaperän laatu. Maaperäoppi**

SFS-EN ISO 18589-7:en, 2016-04-29

Measurement of radioactivity in the environment. Soil. Part 7: In situ measurement of gamma-emitting radionuclides (ISO 18589-7:2013)

Julkaisukieli: en

### **13.110 Koneturvallisuus**

SFS-EN 16710-2:en, 2016-04-08

Ergonomics methods. Part 2: A methodology for work analysis to support design

Julkaisukieli: en

### **13.140 Ihmiseen kohdistuva melu**

SFS-ISO 1996-1:en, 2016-04-15

Acoustics -- Description, measurement and assessment of environmental noise -- Part 1: Basic quantities and assessment procedures

Julkaisukieli: en

Korvaa:

SFS-ISO 1996-1:en:2014

### **13.180 Ergonomia**

SFS-EN 16710-2:en, 2016-04-08

Ergonomics methods. Part 2: A methodology for work analysis to support design

Julkaisukieli: en

SFS-EN ISO 9241-161:en, 2016-04-01

Ergonomics of human-system interaction. Part 161: Guidance on visual user-interface elements (ISO 9241-161:2016)

Julkaisukieli: en

SFS-ISO 27500:2016:en, 2016-05-06

The human-centred organization -- Rationale and general principles

Julkaisukieli: en

### **13.220.20 Palosuojelu**

SFS-EN 54-31 + A1:2016:en, 2016-05-06

Fire detection and fire alarm systems. Part 31: Multi-sensor fire detectors. Point detectors using a combination of smoke, carbon monoxide and optionally heat sensors

Julkaisukieli: en

Korvaa:

SFS-EN 54-31:en:2015

### **13.220.40 Aineiden ja tuotteiden syttyvyys ja palo-ominaisuudet**

SFS-EN 60695-1-20:2016:en, 2016-05-20

Fire hazard testing - Part 1-20: Guidance for assessing the fire hazard of electrotechnical products - Ignitability - General guidance

Julkaisukieli: en

### **13.220.50 Rakennusmateriaalien ja -elementtien palonkesto**

SFS-EN 16733:2016:en, 2016-05-13



Reaction to fire tests for building products. Determination of a building product's propensity to undergo continuous smouldering

Julkaisukieli: en

SFS-EN 50553/A1:en, 2016-04-08

Railway applications - Requirements for running capability in case of fire on board of rolling stock

Julkaisukieli: en

### **13.230 Räjähdyksen torjunta**

SFS-EN ISO 80079-36:2016, 2016-04-15

Räjähdyksivaaralliset tilat. Osa 36: Räjähdyksivaarallisten tilojen muut kuin sähkölaitteet. Perusmenetelmät ja vaatimukset

Explosive atmospheres. Part 36: Non-electrical equipment for explosive atmospheres. Basic method and requirements (ISO 80079-36:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN 13463-1:2009

SFS-EN 13463-1:en:2009

SFS-EN ISO 80079-36:en, 2016-04-15

Räjähdyksivaaralliset tilat. Osa 36: Räjähdyksivaarallisten tilojen muut kuin sähkölaitteet. Perusmenetelmät ja vaatimukset

Explosive atmospheres. Part 36: Non-electrical equipment for explosive atmospheres. Basic method and requirements (ISO 80079-36:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13463-1:2009

SFS-EN 13463-1:en:2009

SFS-EN ISO 80079-37:en, 2016-04-15

Räjähdyksivaaralliset tilat. Osa 37: Räjähdyksivaarallisten tilojen muut kuin sähkölaitteet. Muut kuin sähköiset suojaustyyppit. Suojaus rakenteellisella turvallisuudella "c", suojaus syttymislähteiden valvonnalla "b", suojaus nesteeseen upottamalla "k"

Explosive atmospheres. Part 37: Non-electrical equipment for explosive atmospheres. Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k" (ISO 80079-37:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13463-5:2011

SFS-EN 13463-5:en:2011

SFS-EN 13463-6:2005

SFS-EN 13463-6:en:2005

SFS-EN 13463-8:2004

SFS-EN 13463-8:en:2004

SFS-EN ISO/IEC 80079-20-2:en, 2016-04-15

Räjähdyksivaaralliset tilat. Osa 20-2: Materiaaliominaisuudet. Palavan pölyn testausmenetelmät

Explosive atmospheres. Part 20-2: Material characteristics. Combustible dusts test methods (ISO/IEC 80079-20-2:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 61241-2-2:en:1996

### **13.320 Hälytys- ja varoitusjärjestelmät**

SFS-EN 50244:2016:en, 2016-05-20

Electrical apparatus for the detection of combustible gases in domestic premises - Guide on the selection, installation, use and maintenance

Julkaisukieli: en

Korvaa:

SFS-EN 50244:en:2000

### **13.340.40 Käsien ja käsivarsien suojaus**

SFS-EN 16778:en, 2016-04-08

Protective gloves. The determination of Dimethylformamide in gloves

Julkaisukieli: en

### **17.040.20 Pintojen ominaisuudet**

SFS-EN ISO 2178:en, 2016-04-15

Magneettisten perusaineiden epämagneettiset pinnoitteet. Paksuuden mittauss. Magneettinen menetelmä  
Non-magnetic coatings on magnetic substrates. Measurement of coating thickness. Magnetic method (ISO 2178:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 2178:1995

SFS-EN ISO 2178:en:1995

### **17.040.30 Mittauslaitteet**

SFS-EN ISO 10360-10:en, 2016-04-29

Geometrical product specifications (GPS). Acceptance and reverification tests for coordinate measuring systems (CMS). Part 10: Laser trackers for measuring point-to-point distances (ISO 10360-10:2016)

Julkaisukieli: en

SFS-EN ISO 25178-1:en, 2016-04-29

Geometrical product specifications (GPS). Surface texture: Areal. Part 1: Indication of surface texture (ISO 25178-1:2016)

Julkaisukieli: en

SFS-EN ISO 3040:2016:en, 2016-05-13

Geometrisen tuotemääritys (GPS). Mitoittaminen ja tolerointi. Kartiot

Geometrical product specifications (GPS). Dimensioning and tolerancing. Cones (ISO 3040:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 3040:2012

SFS-EN ISO 3040:en:2012

### **17.120 Virtausmittaus**

SFS-EN ISO 5167-5:en, 2016-04-08

Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full. Part 5: Cone meters (ISO 5167-5:2016)

Julkaisukieli: en

### **17.140.30 Kulkuneuvojen aiheuttama melu**

SFS-EN 1793-5:en, 2016-04-08

Teiden melusteet. Akustisten ominaisuuksien määrittäminen. Osa 5: Tuotekohtaiset ominaisuudet.

Äänen heijastumisen mittaus käyttöpaikalla suorassa äänikentässä

Road traffic noise reducing devices. Test method for determining the acoustic performance. Part 5: Intrinsic characteristics. In situ values of sound reflection under direct sound field conditions

Julkaisukieli: en

Korvaa:

CEN/TS 1793-5:en:2003

SFS-ISO 17208-1:2016:en, 2016-05-06

Underwater acoustics -- Quantities and procedures for description and measurement of underwater sound from ships -- Part 1: Requirements for precision measurements in deep water used for comparison purposes

Julkaisukieli: en

### **17.160 Värähtelyjen, iskujen ja värinän mittaus**

SFS-ISO 29821-2:2016:en, 2016-05-06

Condition monitoring and diagnostics of machines -- Ultrasound -- Part 2: Procedures and validation

Julkaisukieli: en

### **17.200 Termodynamiikka ja lämpötilan mittaus**

SFS-EN 61788-4:en, 2016-04-22

Superconductivity - Part 4: Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti and Nb<sub>3</sub>Sn composite superconductors

Julkaisukieli: en

Korvaa:

SFS-EN 61788-4:en:2012

### **17.240 Säteilyn mittaus**

SFS-EN ISO 16641:en, 2016-04-29

Measurement of radioactivity in the environment. Air. Radon 220: Integrated measurement methods for the determination of the average activity concentration using passive solid-state nuclear track detectors (ISO 16641:2014)

Julkaisukieli: en

SFS-EN ISO 18589-7:en, 2016-04-29

Measurement of radioactivity in the environment. Soil. Part 7: In situ measurement of gamma-emitting

radionuclides (ISO 18589-7:2013)

Julkaisukieli: en

### **19.100 Rikkomaton aineenkoetus**

SFS-EN ISO 12707:2016, 2016-04-15

Rikkomaton aineenkoetus. Magneettijauhetarkastus. Sanasto

Non-destructive testing. Magnetic particle testing. Vocabulary (ISO 12707:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN 1330-7:en:2005

SFS-EN ISO 12707:en, 2016-04-15

Rikkomaton aineenkoetus. Magneettijauhetarkastus. Sanasto

Non-destructive testing. Magnetic particle testing. Vocabulary (ISO 12707:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 1330-7:en:2005

### **21.120 Akselit ja kytkimet**

SFS-ISO 21940-12:2016:en, 2016-05-06

Mechanical vibration -- Rotor balancing -- Part 12: Procedures and tolerances for rotors with flexible behaviour

Julkaisukieli: en

Korvaa:

SFS-ISO 11342:en:2012

### **21.200 Hammaspyörät**

SFS-ISO 1328-1:en, 2016-04-22

Lieriöhammaspyörät. Kylkitoleranssien ISO-luokittelujärjestelmä. Osa 1: Hammaspyörien hampaiden kylkiä koskevat poikkeamien määritelmät ja poikkeamien sallitut arvot

Cylindrical gears -- ISO system of flank tolerance classification -- Part 1: Definitions and allowable values of deviations relevant to flanks of gear teeth

Julkaisukieli: en

### **23.020.10 Kiinteästi asennetut säiliöt**

SFS-EN 13121-3:en, 2016-04-22

Maanpäälliset lujitemuovisäiliöt. Osa 3: Suunnittelu ja valmistus

GRP tanks and vessels for use above ground. Part 3: Design and workmanship

Julkaisukieli: en

Korvaa:

SFS-EN 13121-3 + A1/AC:en:2011

SFS-EN 13121-3 + A1:en:2010

### **23.020.32 Kaasupullot**

SFS-EN ISO 16148:2016:en, 2016-05-06

Gas cylinders. Refillable seamless steel gas cylinders and tubes. Acoustic emission examination (AT) and follow-up ultrasonic examination (UT) for periodic inspection and testing (ISO 16148:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 16148:en:2006

### **23.020.40 Kryolaitteet**

SFS-EN ISO 24490:en, 2016-04-15

Kryogeeniset säiliöt. Pumput kryokäyttöön

Cryogenic vessels. Pumps for cryogenic service (ISO 24490:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13275:en:2000

### **23.040.01 Putkistot ja niiden osat, yleistä**

SFS-EN 12200-1:en, 2016-04-15

Plastics rainwater piping systems for above ground external use. Unplasticized poly(vinyl chloride) (PVC-U). Part 1: Specifications for pipes, fittings and the system

Julkaisukieli: en

Korvaa:

SFS-EN 12200-1:en:2001

### **23.040.10 Rauta- ja teräspuutket**

SFS-EN ISO 21809-3:en, 2016-04-01

Petroleum and natural gas industries. External coatings for buried or submerged pipelines used in pipeline transportation systems. Part 3: Field joint coatings (ISO 21809-3:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 10329:en:2006

### **23.040.20 Muovipuutket**

SFS-EN 12200-1:en, 2016-04-15

Plastics rainwater piping systems for above ground external use. Unplasticized poly(vinyl chloride) (PVC-U). Part 1: Specifications for pipes, fittings and the system

Julkaisukieli: en

Korvaa:

SFS-EN 12200-1:en:2001

### **23.040.60 Laipat, liittimet ja muut putkiliitokset**

SFS-EN 12760:2016, 2016-04-29

Teollisuusventtiilit. Teräsventtiilien muhviiliitospäät

Industrial valves. Socket welding ends for steel valves

Julkaisukieli: fi/en

Korvaa:

SFS-EN 12760:2000

SFS-EN 12760:en:2000

SFS-EN 12760:en, 2016-04-29

Teollisuusventtiilit. Teräsventtiilien muhviitospäät

Industrial valves. Socket welding ends for steel valves

Julkaisukieli: en

Korvaa:

SFS-EN 12760:2000

SFS-EN 12760:en:2000

### **23.060 Venttiilit**

SFS-EN 16668:en, 2016-04-15

Teollisuusventtiilit. Paineenalaisina lisälaitteina toimivien metallisten venttiilien vaatimukset ja testaus

Industrial valves. Requirements and testing for metallic valves as pressure accessories

Julkaisukieli: en

SFS-EN 16767:en, 2016-04-29

Teollisuusventtiilit. Teräksiset ja valurautaiset yksisuuntaventtiilit

Industrial valves. Steel and cast iron check valves

Julkaisukieli: en

Korvaa:

SFS-EN 12334 + AC:en:2001

SFS-EN 12334/A1:en:2005

SFS-EN 14341:en:2007

SFS-EN 60534-2-3:en, 2016-04-22

Industrial-process control valves - Part 2-3: Flow capacity - Test procedures

Julkaisukieli: en

Korvaa:

SFS-EN 60534-2-3:en:1998

### **23.080 Pumput**

SFS-EN 16480:2016:en, 2016-05-27

Pumps. Minimum required efficiency of rotodynamic water pumps

Julkaisukieli: en

SFS-EN ISO 14414/A1:en, 2016-04-22

Pump system energy assessment. Amendment 1 (ISO/ASME 14414:2015/Amd 1:2016)

Julkaisukieli: en

SFS-EN ISO 24490:en, 2016-04-15

Kryogeeniset säiliöt. Pumput kryökäyttöön

Cryogenic vessels. Pumps for cryogenic service (ISO 24490:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13275:en:2000

## **25.040 Teollisuusautomaatiojärjestelmät**

SFS-EN 60534-2-3:en, 2016-04-22

Industrial-process control valves - Part 2-3: Flow capacity - Test procedures

Julkaisukieli: en

Korvaa:

SFS-EN 60534-2-3:en:1998

SFS-EN 62264-4:en, 2016-04-22

Enterprise-control system integration - Part 4: Object model attributes for manufacturing operations management integration

Julkaisukieli: en

SFS-EN 62601:en, 2016-04-22

Industrial networks - Wireless communication network and communication profiles - WIA-PA

Julkaisukieli: en

SFS-ISO/ASTM 52900:2016, 2016-05-20

Materiaalia lisäävä valmistus. Yleiset periaatteet. Terminologia

Additive manufacturing -- General principles -- Terminology

Julkaisukieli: fi/en

SFS-ISO/ASTM 52900:2016:en, 2016-05-20

Materiaalia lisäävä valmistus. Yleiset periaatteet. Terminologia

Additive manufacturing -- General principles -- Terminology

Julkaisukieli: en

## **25.140 Käsikoneet ja -työkalut**

SFS-EN 62841-2-11:en, 2016-04-29

Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety - Part 2-11: Particular requirements for hand-held reciprocating saws

Julkaisukieli: en

Korvaa:

SFS-EN 60745-2-11:2010

## **25.160.10 Hitsausprosessit**

SFS-EN ISO 11970, 2016-04-08

Hitsausohjeet ja niiden hyväksyntä teräsvalujen tuotantohitsaukseen

Specification and qualification of welding procedures for production welding of steel castings (ISO 11970:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN ISO 11970:en:2007

SFS-EN ISO 11970:en, 2016-04-08

Hitsausohjeet ja niiden hyväksyntä teräsvalujen tuotantohitsaukseen

Specification and qualification of welding procedures for production welding of steel castings (ISO 11970:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 11970:en:2007

SFS-EN ISO 15614-8:2016, 2016-04-15

Hitsausohjeet ja niiden hyväksyntä metalleille. Menetelmäkokeet. Osa 8: Putken hitsaus putkilevyyn

Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 8: Welding of tubes to tube-plate joints (ISO 15614-8:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN ISO 15614-8:2002

SFS-EN ISO 15614-8:en:2002

SFS-EN ISO 15614-8:en, 2016-04-15

Hitsausohjeet ja niiden hyväksyntä metalleille. Menetelmäkokeet. Osa 8: Putken hitsaus putkilevyyn

Specification and qualification of welding procedures for metallic materials. Welding procedure test. Part 8: Welding of tubes to tube-plate joints (ISO 15614-8:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15614-8:2002

SFS-EN ISO 15614-8:en:2002

SFS-EN ISO 17916:en, 2016-04-22

Termisten leikkauskoneiden turvallisuus

Safety of thermal cutting machines (ISO 17916:2016)

Julkaisukieli: en

### **25.160.30 Hitsauslaitteet**

SFS-EN ISO 17662:2016, 2016-04-01

Hitsaus. Hitsauksessa ja siihen liittyvissä oheistoiminnoissa käytettävien laitteiden kalibrointi, todentaminen ja kelpuus

Welding. Calibration, verification and validation of equipment used for welding, including ancillary activities (ISO 17662:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN ISO 17662:2005

SFS-EN ISO 17662:en:2005

SFS-EN ISO 17662:en, 2016-04-01

Hitsaus. Hitsauksessa ja siihen liittyvissä oheistoiminnoissa käytettävien laitteiden kalibrointi, todentaminen ja kelpuus

Welding. Calibration, verification and validation of equipment used for welding, including ancillary activities



(ISO 17662:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 17662:2005

SFS-EN ISO 17662:en:2005

### **25.160.40 Hitsausliitokset ja hitsit**

SFS-EN ISO 14270:en, 2016-04-01

Vastushitsaus. Hitsien rikkova aineenkoetus. Piste-, kiekko- ja käsnähitsien mekanisoitu repäisykoe  
Resistance welding. Destructive testing of welds. Specimen dimensions and procedure for mechanized peel testing resistance spot, seam and embossed projection welds (ISO 14270:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 14270:2002

SFS-EN ISO 14270:en:2002

SFS-EN ISO 14272:en, 2016-04-01

Vastushitsaus. Hitsien rikkova aineenkoetus. Piste- ja käsnähitsien poikittainen vetokoe  
Resistance welding. Destructive testing of welds. Specimen dimensions and procedure for cross tension testing of resistance spot and embossed projection welds (ISO 14272:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 14272:2002

SFS-EN ISO 14272:en:2002

SFS-EN ISO 14273:en, 2016-04-01

Vastushitsaus. Hitsien rikkova aineenkoetus. Piste-, kiekko- ja käsnähitsien leikkausvetokoe  
Resistance welding. Destructive testing of welds. Specimen dimensions and procedure for tensile shear testing resistance spot and embossed projection welds (ISO 14273:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 14273:2002

SFS-EN ISO 14273:en:2002

### **25.220.20 Pintakäsittely**

SFS-EN ISO 15730:en, 2016-04-29

Metallic and other inorganic coatings. Electropolishing as a means of smoothing and passivating stainless steel (ISO 15730:2000)

Julkaisukieli: en

### **25.220.40 Metalliset pinnoitteet**

SFS-EN ISO 10309:en, 2016-04-29

Metallic coatings. Porosity tests. Ferroxy test (ISO 10309:1994)

Julkaisukieli: en

SFS-EN ISO 14647:en, 2016-04-29

Metallic coatings. Determination of porosity in gold coatings on metal substrates. Nitric acid vapour test (ISO 14647:2000)

Julkaisukieli: en

SFS-EN ISO 2178:en, 2016-04-15

Magneettisten perusaineiden epämagneettiset pinnoitteet. Paksuuden mittaus. Magneettinen menetelmä  
Non-magnetic coatings on magnetic substrates. Measurement of coating thickness. Magnetic method (ISO 2178:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 2178:1995

SFS-EN ISO 2178:en:1995

SFS-EN ISO 2179:en, 2016-04-29

Electroplated coatings of tin-nickel alloy. Specification and test methods (ISO 2179:1986)

Julkaisukieli: en

SFS-EN ISO 4519:en, 2016-04-29

Electrodeposited metallic coatings and related finishes. Sampling procedures for inspection by attributes (ISO 4519:1980)

Julkaisukieli: en

### **25.220.50 Emalit**

SFS-EN ISO 2178:en, 2016-04-15

Magneettisten perusaineiden epämagneettiset pinnoitteet. Paksuuden mittaus. Magneettinen menetelmä  
Non-magnetic coatings on magnetic substrates. Measurement of coating thickness. Magnetic method (ISO 2178:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 2178:1995

SFS-EN ISO 2178:en:1995

### **27.060 Polttimet. Kattilat**

SFS-EN 12953-3:2016:en, 2016-05-20

Tulitorvikattilat. Osa 3: Paineenalaisten osien suunnittelu ja laskenta  
Shell boilers. Part 3: Design and calculation for pressure parts

Julkaisukieli: en

Korvaa:

SFS-EN 12953-3:2002

SFS-EN 12953-3:en:2002

### **27.080 Lämpöpumput**

SFS-EN 14825:en, 2016-04-01

Lämmitykseen ja jäähdytykseen tarkoitettut, sähkökäyttöisellä kompressorilla toimivat  
huoneilmastointikoneet, nestejäähdyttimet ja lämpöpumput. Testaus ja luokitus osittaisella kuormituksella ja  
kausittaisen suorituskyky-kertoimen laskeminen

Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling. Testing and rating at part load conditions and calculation of seasonal performance

Julkaisukieli: en

Korvaa:

SFS-EN 14825:en:2013

### **27.100 Voimalaitokset, yleistä**

SFS-EN 12953-3:2016:en, 2016-05-20

Tulitorvikattilat. Osa 3: Paineenalaisten osien suunnittelu ja laskenta

Shell boilers. Part 3: Design and calculation for pressure parts

Julkaisukieli: en

Korvaa:

SFS-EN 12953-3:2002

SFS-EN 12953-3:en:2002

### **27.120 Ydinvoima**

SFS-EN 61227:en, 2016-04-08

Nuclear power plants - Control rooms - Operator controls

Julkaisukieli: en

SFS-EN ISO 15366-1:en, 2016-04-29

Nuclear fuel technology. Chemical separation and purification of uranium and plutonium in nitric acid solutions for isotopic and isotopic dilution analysis by solvent extraction chromatography. Part 1: Samples containing plutonium in the microgram range and uranium in the milligram range (ISO 15366-1:2014)

Julkaisukieli: en

SFS-EN ISO 15366-2:en, 2016-04-29

Nuclear fuel technology. Chemical separation and purification of uranium and plutonium in nitric acid solutions for isotopic and isotopic dilution analysis by solvent extraction chromatography. Part 2: Samples containing plutonium and uranium in the nanogram range and below (ISO 15366-2:2014)

Julkaisukieli: en

SFS-EN ISO 15646:en, 2016-04-29

Re-sintering test for UO<sub>2</sub>, (U,Gd)O<sub>2</sub> and (U,Pu)O<sub>2</sub> pellets (ISO 15646:2014)

Julkaisukieli: en

### **27.160 Aurinkoenergiatekniikka**

SFS-EN 62446-1:en, 2016-04-22

Photovoltaic (PV) systems - Requirements for testing, documentation and maintenance - Part 1: Grid connected systems - Documentation, commissioning tests and inspection

Julkaisukieli: en

Korvaa:

SFS-EN 62446:2010

SFS-EN 62446:en:2010

## **27.180 Tuulivoima**

SFS-EN 61400-13:en, 2016-04-22

Wind turbines - Part 13: Measurement of mechanical loads

Julkaisukieli: en

## **27.190 Biologiset ja vaihtoehtoiset energialähteet**

SFS-EN ISO 17827-1:en, 2016-04-15

Kiinteät biopolttoaineet. Palakokojakauman määrittäminen tiivistymättömille polttoaineille. Osa 1:

Täryseulamenetelmä (oskilloiva) käyttäen 3,15 mm ja sen yli meneviä seulan aukkoja

Solid biofuels. Determination of particle size distribution for uncompressed fuels. Part 1: Oscillating screen method using sieves with apertures of 3,15 mm and above (ISO 17827-1:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 15149-1:2011

SFS-EN 15149-1:en:2011

SFS-EN ISO 17830:en, 2016-04-15

Solid biofuels. Particle size distribution of disintegrated pellets (ISO 17830:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 16126:en:2012

## **27.220.10 Teollisuusputkistojen ja -säiliöiden lämpöeristykset**

SFS 3914, 2016-05-13

Putki-, säiliö- ja laite-eristykset. Päällysteet ja alusrakenteet

Insulation of Pipes, Vessels and Equipment. Covering Materials and Support Structures

Julkaisukieli: fi/en

Korvaa:

SFS 3914:2006

SFS 3975, 2016-05-13

Teollisuuseristykset. Putki-, säiliö- ja laite-eristykset. Käsitteet ja määritelmät

Insulation of pipes, vessels and equipment. Terms and definitions

Julkaisukieli: fi/en

Korvaa:

SFS 3975:1996

SFS 3976, 2016-05-13

Putki-, säiliö- ja laite-eristykset. Eristeet

Insulation of pipes, vessels and equipment. Insulating materials

Julkaisukieli: fi/en

Korvaa:

SFS 3976:2006

SFS 3979, 2016-05-13

Putki-, säiliö- ja laite-eristykset. Valvonta ja mittaus  
Insulation of Pipes, Vessels and Equipment. Inspection and Measurement  
Julkaisukieli: fi/en  
Korvaa:  
SFS 3979:2006

### **29.020 Sähkötekniikka, yleistä**

SFS-EN 60695-1-20:2016:en, 2016-05-20  
Fire hazard testing - Part 1-20: Guidance for assessing the fire hazard of electrotechnical products - Ignitability  
- General guidance  
Julkaisukieli: en

### **29.035 Eristeet**

SFS-EN 50290-2-37:2016:en, 2016-05-27  
Communication cables - Part 2-37: Common design rules and construction - Polyethylene insulation for coaxial cables  
Julkaisukieli: en

SFS-EN 50290-2-38:2016:en, 2016-05-27  
Communication cables - Part 2-38: Common design rules and construction - Polypropylene insulation for coaxial cables  
Julkaisukieli: en

### **29.050 Suprajohtavuus ja johtavat materiaalit**

SFS-EN 61788-4:en, 2016-04-22  
Superconductivity - Part 4: Residual resistance ratio measurement - Residual resistance ratio of Nb-Ti and Nb<sub>3</sub>Sn composite superconductors  
Julkaisukieli: en  
Korvaa:  
SFS-EN 61788-4:en:2012

### **29.100 Sähkölaitteiden komponentit**

SFS-EN 60401-3:en, 2016-04-01  
Terms and nomenclature for cores made of magnetically soft ferrites - Part 3: Guidelines on the format of data appearing in manufacturers catalogues of transformer and inductor cores  
Julkaisukieli: en  
Korvaa:  
SFS-EN 60401-3:en:2004

SFS-EN 62317-6:en, 2016-04-01  
Ferrite cores - Dimensions - Part 6: ETD-cores for use in power supplies  
Julkaisukieli: en  
Korvaa:  
SFS-EN 61185:en:2006

## **29.120 Sähkötarvikkeet**

SFS-EN 61009-1/A12:en, 2016-04-15

Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules

Julkaisukieli: en

## **29.140 Valaisimet ja niihin liittyvät laitteet**

SFS 5678, 2016-04-15

Valaisimet. Osa 2: Erityisvaatimukset. Luku 302: Saunavalaisimet

Luminaires. Part 2: Particular requirements. Section 302: Luminaires intended for use in saunas

Julkaisukieli: fi

Korvaa:

SFS 5678:1991

SFS-EN 62722-2-1:2016:en, 2016-05-13

Luminaire performance - Part 2-1: Particular requirements for LED luminaires

Julkaisukieli: en

## **29.260 Erityisoloissa käytettävät sähkölaitteet**

SFS-EN ISO 80079-36:2016, 2016-04-15

Räjähdysvaaralliset tilat. Osa 36: Räjähdysvaarallisten tilojen muut kuin sähkölaitteet. Perusmenetelmät ja vaatimukset

Explosive atmospheres. Part 36: Non-electrical equipment for explosive atmospheres. Basic method and requirements (ISO 80079-36:2016)

Julkaisukieli: fi/en

Korvaa:

SFS-EN 13463-1:2009

SFS-EN 13463-1:en:2009

SFS-EN ISO 80079-36:en, 2016-04-15

Räjähdysvaaralliset tilat. Osa 36: Räjähdysvaarallisten tilojen muut kuin sähkölaitteet. Perusmenetelmät ja vaatimukset

Explosive atmospheres. Part 36: Non-electrical equipment for explosive atmospheres. Basic method and requirements (ISO 80079-36:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13463-1:2009

SFS-EN 13463-1:en:2009

SFS-EN ISO 80079-37:en, 2016-04-15

Räjähdysvaaralliset tilat. Osa 37: Räjähdysvaarallisten tilojen muut kuin sähkölaitteet. Muut kuin sähköiset suojaustyyppit. Suojaus rakenteellisella turvallisuudella "c", suojaus syttymislähteiden valvonnalla "b", suojaus nesteeseen upottamalla "k"

Explosive atmospheres. Part 37: Non-electrical equipment for explosive atmospheres. Non-electrical type of protection constructional safety "c", control of ignition sources "b", liquid immersion "k" (ISO 80079-37:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13463-5:2011

SFS-EN 13463-5:en:2011

SFS-EN 13463-6:2005

SFS-EN 13463-6:en:2005

SFS-EN 13463-8:2004

SFS-EN 13463-8:en:2004

SFS-EN ISO/IEC 80079-20-2:en, 2016-04-15

Räjähdyksvaaralliset tilat. Osa 20-2: Materiaaliominaisuudet. Palavan pölyn testausmenetelmät  
Explosive atmospheres. Part 20-2: Material characteristics. Combustible dusts test methods (ISO/IEC 80079-20-2:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 61241-2-2:en:1996

### **31.040 Vastukset**

SFS-EN 60393-2:en, 2016-04-22

Potentiometers for use in electronic equipment - Part 2: Sectional specification - Lead-screw actuated and rotary preset potentiometers

Julkaisukieli: en

SFS-EN 60393-5:en, 2016-04-22

Potentiometers for use in electronic equipment - Part 5: Sectional specification - Single-turn rotary low-power wirewound and nonwirewound potentiometers

Julkaisukieli: en

SFS-EN 60393-6:en, 2016-04-22

Potentiometers for use in electronic equipment - Part 6: Sectional specification - Surface mount preset potentiometers

Julkaisukieli: en

### **31.060 Kondensaattorit**

SFS-EN 60384-14-1:en, 2016-04-29

Fixed capacitors for use in electronic equipment - Part 14-1: Blank detail specification - Fixed capacitors for electromagnetic interference suppression and connection to the supply mains - Assessment level DZ

Julkaisukieli: en

Korvaa:

SFS-EN 60384-14-1:en:2005

SFS-EN 60384-14-3:en:2005

### **31.080 Puolijohdelaitteet**

SFS-EN 62047-1:en, 2016-04-22

Semiconductor devices - Micro-electromechanical devices - Part 1: Terms and definitions

Julkaisukieli: en

Korvaa:

SFS-EN 62047-1:en:2006

SFS-EN 62047-26:2016:en, 2016-05-06

Semiconductor devices - Micro-electromechanical devices - Part 26: Description and measurement methods for micro trench and needle structures

Julkaisukieli: en

### **31.180 Piirilevyt ja komponenttilevyt**

SFS-EN 61189-3-719:en, 2016-04-22

Test methods for electrical materials, printed boards and other interconnection structures and assemblies - Part 3-719: Test methods for interconnection structures (printed boards) - Monitoring of single plated-through hole (PTH) resistance change during temperature cycling

Julkaisukieli: en

SFS-EN 62326-20:2016:en, 2016-05-27

Printed boards - Part 20: Printed circuit boards for high-brightness LEDs

Julkaisukieli: en

### **31.220 Elektroniikka- ja televiestintälaitteiden sähkömekaaniset komponentit**

SFS-EN 60603-7-81:en, 2016-04-22

Connectors for electronic equipment - Part 7-81: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 2 000 MHz

Julkaisukieli: en

SFS-EN 61076-4-116/A1:en, 2016-04-01

Connectors for electronic equipment - Product requirements - Part 4-116: Printed board connectors - Detail specification for a high-speed two-part connector with integrated shielding function

Julkaisukieli: en

### **31.260 Optoelektroniikka. Laserlaitteet**

SFS-EN ISO 11145:en, 2016-04-08

Optiikka ja fotonikka. Laserit ja lasereihin liittyvät laitteet. Sanasto ja symbolit

Optics and photonics. Lasers and laser-related equipment. Vocabulary and symbols (ISO 11145:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 11145:en:2009

### **33.020 Tietoliikenne, yleistä**

SFS-EN 302561 V2.1.1, 2016-04-01

Land Mobile Service. Radio equipment using constant or non-constant envelope modulation operating in a channel bandwidth of 25 kHz, 50 kHz, 100 kHz or 150 kHz. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua



### **33.040 Televerkot**

SFS-EN 319162-2 V1.1.1:2016, 2016-05-06

Electronic Signatures and Infrastructures (ESI). Associated Signature Containers (ASiC). Part 2: Additional ASiC containers

Julkaisukieli: Ei SFS:n julkaisua

### **33.060 Radioliikenne**

SFS-EN 300065 V2.1.1, 2016-04-01

Narrow-band direct-printing telegraph equipment for receiving meteorological or navigational information (NAVTEX). Harmonised Standard covering the essential requirements of articles 3.2 and 3.3(g) of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 300390 V2.1.1, 2016-04-01

Land Mobile Service. Radio equipment intended for the transmission of data (and speech) and using an integral antenna. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-1 V2.1.1, 2016-04-01

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

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-2 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 2: Specific conditions for VHF radiotelephone transmitters and receivers

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-4 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 4: Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-5 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 5: Specific conditions for MF/HF radiotelephone transmitters and receivers

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 303039 V2.1.1, 2016-04-01

Land Mobile Service. Multichannel transmitter specification for the PMR Service. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 303204 V2.1.1:2016, 2016-05-06

Network Based Short Range Devices (SRD); Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 303372-2 V1.1.1:2016, 2016-05-06

Satellite Earth Stations and Systems (SES). Satellite broadcast reception equipment. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 2: Indoor unit

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 60728-5:2016:en, 2016-05-06

Cable networks for television signals, sound signals and interactive services - Part 5: Headend equipment

Julkaisukieli: en

Korvaa:

SFS-EN 60728-5:en:2009

### **33.070 Matkaviestintäpalvelut**

SFS-EN 300296 V2.1.1, 2016-04-01

Land Mobile Service. Radio equipment using integral antennas intended primarily for analogue speech. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301406 V2.2.1:2016, 2016-05-06

Digital Enhanced Cordless Telecommunications (DECT). Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-19 V6.3.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 19: OFDMA TDD WMAN (Mobile WiMAX™) TDD User Equipment (UE)

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-20 V6.3.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 20: OFDMA TDD WMAN (Mobile WiMAX™) TDD Base Stations (BS)

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-21 V6.1.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 21: OFDMA TDD WMAN (Mobile WiMAX™) FDD User Equipment (UE)

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 303609 V12.5.1, 2016-04-22

Global System for Mobile communications (GSM). GSM Repeaters; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

### **33.100 Sähkömagneettinen yhteensopivuus**

SFS-EN 300296 V2.1.1, 2016-04-01

Land Mobile Service. Radio equipment using integral antennas intended primarily for analogue speech. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 300341 V2.1.1, 2016-04-01

Land Mobile Service. Radio equipment using an integral antenna transmitting signals to initiate a specific response in the receiver. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 300433 V2.1.1:2016, 2016-05-20

Citizens' Band (CB) radio equipment; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301839 V2.1.1:2016, 2016-05-06

Ultra Low Power Active Medical Implants (ULP-AMI) and associated Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-1 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 1: Common technical requirements  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-2 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 2: Specific conditions for VHF radiotelephone transmitters and receivers  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-4 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 4: Specific conditions for Narrow-Band Direct-Printing (NBDP) NAVTEX receivers  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-5 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 5: Specific conditions for MF/HF radiotelephone transmitters and receivers  
Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301843-6 V2.1.1, 2016-04-01

ElectroMagnetic Compatibility (EMC) standard for marine radio equipment and services. Harmonised

Standard covering the essential requirements of article 3.1b of the Directive 2014/53/EU. Part 6: Specific conditions for Earth Stations on board Vessels operating in frequency bands above 3 GHz

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-11 V11.1.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 11: CDMA Direct Spread (UTRA FDD) Repeaters

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-12 V7.1.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 12: CDMA Multi-Carrier (cdma2000) Repeaters

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-14 V11.1.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 14: Evolved Universal Terrestrial Radio Access (E-UTRA) Base Stations (BS)

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-15 V11.1.1:2016, 2016-05-20

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

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 301908-3 V11.1.1:2016, 2016-05-20

IMT cellular networks. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU. Part 3: CDMA Direct Spread (UTRA FDD) Base Stations (BS)

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 303204 V2.1.1:2016, 2016-05-06

Network Based Short Range Devices (SRD); Radio equipment to be used in the 870 MHz to 876 MHz frequency range with power levels ranging up to 500 mW. Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 55011:en, 2016-04-15

Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement

Julkaisukieli: en

Korvaa:

SFS-EN 55011/A1:en:2011

SFS-EN 55011:en:2011

SFS-EN 55013/A1:en, 2016-04-15

Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement

Julkaisukieli: en

SFS-EN 55016-1-3/A1:2016:en, 2016-05-20

Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-3: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Disturbance power

Julkaisukieli: en

SFS-EN 61000-4-13/A2:en, 2016-04-01

Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests

Julkaisukieli: en

SFS-EN 61000-4-16:en, 2016-04-01

Electromagnetic compatibility (EMC) - Part 4-16: Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz

Julkaisukieli: en

Korvaa:

SFS-EN 61000-4-16/A1:en:2005

SFS-EN 61000-4-16/A2:en:2013

SFS-EN 61000-4-16:en:1998

SFS-EN 62153-4-7:en, 2016-04-01

Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) - Test method for measuring of transfer impedance Z<sub>T</sub> and screening attenuation as or coupling attenuation ac of connectors and assemblies up to and above 3 GHz - Triaxial tube in tube method

Julkaisukieli: en

Korvaa:

SFS-EN 62153-4-7:en:2007

### **33.120 Televiestintälaitteiden komponentit ja tarvikkeet**

SFS-EN 50290-2-33:2016:en, 2016-05-27

Communication cables - Part 2-33: Common design rules and construction - Polyethylene insulation compounds for multi element metallic cables for indoor installation (data cable)

Julkaisukieli: en

SFS-EN 50290-2-37:2016:en, 2016-05-27

Communication cables - Part 2-37: Common design rules and construction - Polyethylene insulation for coaxial cables

Julkaisukieli: en

SFS-EN 50290-2-38:2016:en, 2016-05-27

Communication cables - Part 2-38: Common design rules and construction - Polypropylene insulation for coaxial cables

Julkaisukieli: en

SFS-EN 62153-4-7:en, 2016-04-01

Metallic communication cable test methods - Part 4-7: Electromagnetic compatibility (EMC) - Test method for measuring of transfer impedance Z<sub>T</sub> and screening attenuation as or coupling attenuation ac of connectors and assemblies up to and above 3 GHz - Triaxial tube in tube method

Julkaisukieli: en

Korvaa:

SFS-EN 62153-4-7:en:2007

### **33.160 Audio-, video ja audiovisuaalinen tekniikka**

SFS-EN 62911:en, 2016-04-22

Audio, video and information technology equipment - Routine electrical safety testing in production

Julkaisukieli: en

Korvaa:

SFS-EN 50514:en:2014

### **33.180 Kuituoptiikkaviestintä**

SFS-EN 60794-3-70:2016:en, 2016-05-27

Optical fibre cables - Part 3-70: Outdoor cables - Family specification for outdoor optical fibre cables for rapid/multiple deployment

Julkaisukieli: en

SFS-EN 61753-381-2:2016:en, 2016-05-06

Fibre optic interconnecting devices and passive components - Performance standard - Part 381-2: Cyclic arrayed waveguide grating - Category C (controlled environment)

Julkaisukieli: en

SFS-EN 61753-381-6:2016:en, 2016-05-13

Fibre optic interconnecting devices and passive components - Performance standard - Part 381-6: Cyclic arrayed waveguide grating - Category O (uncontrolled environment)

Julkaisukieli: en

SFS-EN 61754-31:2016:en, 2016-05-27

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 31: Type N-FO connector family

Julkaisukieli: en

SFS-EN 61754-6-100:en, 2016-04-01

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 6-100: Type MU connector family - Simplified receptacle MU-PC connector interfaces

Julkaisukieli: en

Korvaa:

SFS-EN 61754-6-1:en:2003

### **33.200 Etäkäyttö. Etämittaus**

SFS-EN 61968-8:2016:en, 2016-05-27

Application integration at electric utilities - System interfaces for distribution management - Part 8: Interfaces for customer operations

Julkaisukieli: en

### **35.020 Tietotekniikka, yleistä**

SFS-EN 16234-1:en, 2016-04-15

e-Competence Framework (e-CF). A common European Framework for ICT Professionals in all industry sectors. Part 1: Framework

Julkaisukieli: en

SFS-EN 50600-2-5:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

Julkaisukieli: en

SFS-EN 50600-3-1:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 3-1: Management and operational information

Julkaisukieli: en

SFS-EN 62911:en, 2016-04-22

Audio, video and information technology equipment - Routine electrical safety testing in production

Julkaisukieli: en

Korvaa:

SFS-EN 50514:en:2014

### **35.040 Merkistöt ja tietojen koodaus**

SFS-EN 319102-1 V1.1.1:2016, 2016-05-13

Electronic Signatures and Infrastructures (ESI). Procedures for Creation and Validation of AdES Digital Signatures. Part 1: Creation and Validation

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319122-1 V1.1.1, 2016-04-22

Electronic Signatures and Infrastructures (ESI). CAdES digital signatures. Part 1: Building blocks and CAdES baseline signatures

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319122-2 V1.1.1, 2016-04-22

Electronic Signatures and Infrastructures (ESI). CAdES digital signatures. Part 2: Extended CAdES signatures

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319132-1 V1.1.1:2016, 2016-05-06

Electronic Signatures and Infrastructures (ESI). XAdES digital signatures. Part 1: Building blocks and XAdES baseline signatures

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319132-2 V1.1.1:2016, 2016-05-06

Electronic Signatures and Infrastructures (ESI). XAdES digital signatures. Part 2: Extended XAdES signatures

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319142-1 V1.1.1, 2016-04-22

Electronic Signatures and Infrastructures (ESI). PAdES digital signatures; Part 1: Building blocks and PAdES

baseline signatures

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319142-2 V1.1.1, 2016-04-22

Electronic Signatures and Infrastructures (ESI). PAdES digital signatures. Part 2: Additional PAdES signatures profiles

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 319162-1 V1.1.1:2016, 2016-05-06

Electronic Signatures and Infrastructures (ESI). Associated Signature Containers (ASiC). Part 1: Building blocks and ASiC baseline containers

Julkaisukieli: Ei SFS:n julkaisua

### **35.100 Avointen järjestelmien yhteenliittäminen (OSI)**

SFS-EN 62264-4:en, 2016-04-22

Enterprise-control system integration - Part 4: Object model attributes for manufacturing operations management integration

Julkaisukieli: en

SFS-EN 62601:en, 2016-04-22

Industrial networks - Wireless communication network and communication profiles - WIA-PA

Julkaisukieli: en

### **35.110 Tietoverkot**

SFS-EN 50600-2-5:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

Julkaisukieli: en

SFS-EN 50600-3-1:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 3-1: Management and operational information

Julkaisukieli: en

### **35.160 Mikroprosessorijärjestelmät**

SFS-EN 50600-2-5:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 2-5: Security systems

Julkaisukieli: en

SFS-EN 50600-3-1:en, 2016-04-08

Information technology - Data centre facilities and infrastructures - Part 3-1: Management and operational information

Julkaisukieli: en

### **35.180 Näyttöpäätteet ja muut oheislaitteet**

SFS-EN ISO 9241-161:en, 2016-04-01



Ergonomics of human-system interaction. Part 161: Guidance on visual user-interface elements (ISO 9241-161:2016)

Julkaisukieli: en

### **35.200 Rajapinnat ja liitännälaitteet**

SFS-EN 62264-4:en, 2016-04-22

Enterprise-control system integration - Part 4: Object model attributes for manufacturing operations management integration

Julkaisukieli: en

### **35.240 Tietotekniikan sovellukset**

SFS-EN 319162-1 V1.1.1:2016, 2016-05-06

Electronic Signatures and Infrastructures (ESI). Associated Signature Containers (ASiC). Part 1: Building blocks and ASiC baseline containers

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN ISO 10685-2:en, 2016-04-08

Silmälääketieteellinen optiikka. Aurinko- ja silmälasit. Sähköinen kuvasto ja tunnistet. Osa 2: Kaupalliset tiedot

Ophthalmic optics. Spectacle frames and sunglasses electronic catalogue and identification. Part 2: Commercial information (ISO 10685-2:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 10685-2:en:2013

SFS-EN ISO 15225:en, 2016-04-15

Terveydenhuollon laitteet ja tarvikkeet. Laadunhallinta. Nimikkeistön tietorakenne

Medical devices. Quality management. Medical device nomenclature data structure (ISO 15225:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15225:2010

SFS-EN ISO 15225:en:2010

SFS-EN ISO 16278:en, 2016-04-01

Health informatics. Categorial structure for terminological systems of human anatomy (ISO 16278:2016)

Julkaisukieli: en

SFS-EN ISO 21549-5:2016:en, 2016-05-06

Health informatics. Patient healthcard data. Part 5: Identification data (ISO 21549-5:2015)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 21549-5:en:2008

SFS-EN ISO 24534-3:en, 2016-04-29

Älykkään liikenteen järjestelmät. Automaattinen ajoneuvon ja laitteen tunnistus. Sähköinen kirjoittautumisen tunnistus (ERI). Osa 3: Ajoneuvotieto

Intelligent transport systems. Automatic vehicle and equipment identification. Electronic registration

identification (ERI) for vehicles. Part 3: Vehicle data (ISO 24534-3:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 24534-3:en:2010

### **43.020 Ajoneuvot, yleistä**

SFS-EN ISO 24534-3:en, 2016-04-29

Älykkään liikenteen järjestelmät. Automaattinen ajoneuvon ja laitteen tunnistus. Sähköinen kirjoittautumisen tunnistus (ERI). Osa 3: Ajoneuvotieto

Intelligent transport systems. Automatic vehicle and equipment identification. Electronic registration identification (ERI) for vehicles. Part 3: Vehicle data (ISO 24534-3:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 24534-3:en:2010

### **43.040.15 Ajoneuvojen informatiikka. Ajoneuvojen tietokonejärjestelmät**

SFS-EN ISO 15118-2:en, 2016-04-29

Tieajoneuvot. Ajoneuvo-verkko-kommunikaatioväylän rajapinta. Osa 2: Verkko- ja sovellusprotokollien vaatimukset

Road vehicles. Vehicle-to-grid communication Interface. Part 2: Network and application protocol requirements (ISO 15118-2:2014)

Julkaisukieli: en

SFS-EN ISO 15118-3:en, 2016-04-29

Tieajoneuvot. Ajoneuvo-verkko-kommunikaatioväylän rajapinta. Osa 3: Fysikaaliset vaatimukset ja siirtokerroksen vaatimukset

Road vehicles. Vehicle to grid Communication interface. Part 3: Physical and data link layer requirements (ISO 15118-3:2015)

Julkaisukieli: en

### **43.060 Tieajoneuvojen polttomoottorit**

SFS-EN 16652-1:2016:en, 2016-05-27

LPG equipment and accessories. Automotive LPG vehicles workshops. Part 1: Working areas and procedures

Julkaisukieli: en

### **43.120 Sähköajoneuvot**

SFS-EN ISO 15118-2:en, 2016-04-29

Tieajoneuvot. Ajoneuvo-verkko-kommunikaatioväylän rajapinta. Osa 2: Verkko- ja sovellusprotokollien vaatimukset

Road vehicles. Vehicle-to-grid communication Interface. Part 2: Network and application protocol requirements (ISO 15118-2:2014)

Julkaisukieli: en

SFS-EN ISO 15118-3:en, 2016-04-29

Tieajoneuvot. Ajoneuvo-verkko-kommunikaatioväylän rajapinta. Osa 3: Fysikaaliset vaatimukset ja

siirtokerroksen vaatimukset

Road vehicles. Vehicle to grid Communication interface. Part 3: Physical and data link layer requirements (ISO 15118-3:2015)

Julkaisukieli: en

#### **43.180 Diagnostiikka-, huolto- ja testauslaitteet**

SFS-EN 16652-1:2016:en, 2016-05-27

LPG equipment and accessories. Automotive LPG vehicles workshops. Part 1: Working areas and procedures

Julkaisukieli: en

#### **45.040 Kiskoliikennetekniikan materiaalit ja komponentit**

SFS-EN 15313:en, 2016-04-22

Kiskoliikenne. Pyöräkerrat ja telit. Pyöräkertojen huolto

Railway applications. In-service wheelset operation requirements. In-service and off-vehicle wheelset maintenance

Julkaisukieli: en

Korvaa:

SFS-EN 15313:en:2010

#### **45.060 Kiskoliikennekalusto**

SFS-EN 50553/A1:en, 2016-04-08

Railway applications - Requirements for running capability in case of fire on board of rolling stock

Julkaisukieli: en

SFS-EN 60310:2016:en, 2016-05-13

Railway applications - Traction transformers and inductors on board rolling Stock

Julkaisukieli: en

Korvaa:

SFS-EN 60310:en:2004

SFS-EN 61377:2016:en, 2016-05-06

Railway applications - Rolling stock - Combined test method for traction Systems

Julkaisukieli: en

Korvaa:

SFS-EN 61377-1:en:2006

SFS-EN 61377-2:en:2003

SFS-EN 61377-3:en:2003

SFS-EN 62718:en, 2016-04-22

Railway applications - Rolling stock - DC supplied electronic ballasts for lighting fluorescent lamps

Julkaisukieli: en

Korvaa:

SFS-EN 50311:en:2003

#### **47.020.60 Sähkölaitteet**

SFS-EN ISO 16315:en, 2016-04-15

Veneet. Sähköpropulsiojärjestelmä

Small craft. Electric propulsion system (ISO 16315:2016)

Julkaisukieli: en

#### **47.020.99 Muut laivanrakennukseen ja meritekniisiin rakenteisiin liittyvät standardit**

SFS-EN 14038-1:en, 2016-04-08

Electrochemical realkalization and chloride extraction treatments for reinforced concrete. Part 1: Realkalization

Julkaisukieli: en

Korvaa:

CEN/TS 14038-1:en:2004

#### **47.080 Veneet**

SFS-EN ISO 16315:en, 2016-04-15

Veneet. Sähköpropulsiojärjestelmä

Small craft. Electric propulsion system (ISO 16315:2016)

Julkaisukieli: en

#### **49.020 Lento- ja avaruusaluukset, yleistä**

SFS-EN 9239:2016, 2016-05-27

Aerospace series. Programme Management. Guide for the risk management

Julkaisukieli: Ei SFS:n julkaisua

#### **49.025 Rakentamisessa käytettävät materiaalit**

SFS-EN 4162, 2016-04-01

Aerospace series. Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa (at ambient temperature) / 235 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4162:2010

SFS-EN 4376, 2016-04-01

Aerospace series. Heat resisting alloy NiCr19Fe19Nb5Mo3 (2.4668) solution treated and precipitation treated. Bar and section, De = 200 mm

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 4700-002, 2016-04-22

Aerospace series. Steel and heat resisting alloys. Wrought products. Technical specification . Part 002: Bar and section

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4700-002:2010

#### **49.030 Rakentamisessa käytettävät kiinnittimet**

SFS-EN 4072, 2016-04-01

Aerospace series. Screws, 100° countersunk normal head, offset cruciform recess, close tolerance shank, short thread in titanium alloy, aluminium IVD coated. Classification: 1 100 MPa (at ambient temperature) / 425 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4072:2009

SFS-EN 4073, 2016-04-08

Aerospace series. Screws, pan head, hexalobular recess, coarse tolerance shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa (at ambient temperature) / 235 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4073:2010

SFS-EN 4128, 2016-04-01

Aerospace series. Bolts, normal hexagonal head, coarse tolerance shank, short thread, in heat resisting nickel base alloy, aluminium IVD coated. Classification: 1 250 MPa (at ambient temperature) / 425 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4128:2009

SFS-EN 4138, 2016-04-08

Aerospace series. Screws, pan head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa (at ambient temperature) / 235 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4138:2010

SFS-EN 4162, 2016-04-01

Aerospace series. Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, medium length thread, in alloy steel, cadmium plated. Classification: 1 100 MPa (at ambient temperature) / 235 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4162:2010

SFS-EN 4163, 2016-04-01

Aerospace series. Screws 100° countersunk normal head, offset cruciform recess, coarse tolerance normal shank, long thread, in alloy steel, cadmium plated. Classification: 1 100 MPa (at ambient temperature) / 235 °C

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4163:2010

## **49.060 Lento- ja avaruusaluusten sähkölaitteet ja -järjestelmät**

SFS-EN 4165-003, 2016-04-08

Aerospace series. Connectors, electrical, rectangular, modular. Operating temperature 175 °C continuous. Part 003: Modules series 2 and series 3. Product standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4165-003:2008

SFS-EN 4644-003, 2016-04-29

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 003: Rectangular inserts. Product standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-003:2012

SFS-EN 4644-133, 2016-04-22

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 133: Size 3 receptacle for rack and panel application, class C and D. Product Standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-133:2012

SFS-EN 4644-141, 2016-04-29

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 141: Size 4 plug for rack and panel applications, class C and D. Product standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-141:2012

SFS-EN 6049-009, 2016-04-29

Aerospace series. Electrical cables, installation. Protection sleeve in meta-aramid fibres. Part 009: Self-wrapping fire protection sleeve, flexible, post installation, operating temperature from -55 °C to 260 °C. Product standard

Julkaisukieli: Ei SFS:n julkaisua

SFS-EN 9239:2016, 2016-05-27

Aerospace series. Programme Management. Guide for the risk management

Julkaisukieli: Ei SFS:n julkaisua

## **49.080 Lento- ja avaruusaluusten nestejärjestelmät ja niiden komponentit**

SFS-EN 6123, 2016-04-01

Aerospace series. Fitting end, 24° internal cone, external thread, flareless type. Extra fine thread pitch. Inch series. Design standard

Julkaisukieli: Ei SFS:n julkaisua

#### **49.090 Lento- tai avaruusaluksessa olevat laitteet ja välineet**

SFS-EN 4644-003, 2016-04-29

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 003: Rectangular inserts. Product standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-003:2012

SFS-EN 4644-133, 2016-04-22

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 133: Size 3 receptacle for rack and panel application, class C and D. Product Standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-133:2012

SFS-EN 4644-141, 2016-04-29

Aerospace series. Connector, electrical and optical, rectangular, modular, rectangular inserts, operating temperature 175 °C (or 125 °C) continuous. Part 141: Size 4 plug for rack and panel applications, class C and D. Product standard

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4644-141:2012

#### **49.095 Matkustamo- ja ohjaamovälineistö**

SFS-EN 4697, 2016-04-29

Aerospace series. General and installation requirements for passenger seat fittings

Julkaisukieli: Ei SFS:n julkaisua

Korvaa:

SFS-EN 4697:2012

#### **55.180.20 Kuormalavat**

SFS-EN ISO 8611-2/A1:en, 2016-04-15

Pallets for materials handling. Flat pallets. Part 2: Performance requirements and selection of tests (ISO 8611-2:2011/Amd 1:2016)

Julkaisukieli: en

#### **59.060 Tekstiilikuidut**

SFS-EN ISO 17751-1:en, 2016-04-22

Textiles. Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends. Part 1: Light Microscopy method (ISO 17751-1:2016)

Julkaisukieli: en

SFS-EN ISO 17751-2:en, 2016-04-22

Textiles. Quantitative analysis of cashmere, wool, other specialty animal fibers and their blends. Part 2:

Scanning Electron Microscopy method (ISO 17751-2:2016)

Julkaisukieli: en

### **59.080.01 Tekstiilit, yleistä**

SFS 5236, 2016-04-15

Tekstiilien hoito-ohjemerkinä. Sanalliset ohjeet  
Care Labelling of Textiles. Care maintenance terms

Julkaisukieli: fi

Korvaa:

SFS 5236:2003

SFS-EN 16812:2016:en, 2016-05-06

Textiles and textile products. Electrically conductive textiles. Determination of the linear electrical resistance of conductive tracks

Julkaisukieli: en

SFS-EN ISO 18254-1:2016:en, 2016-05-06

Textiles. Method for the detection and determination of alkylphenol ethoxylates (APEO). Part 1: Method using HPLC. MS (ISO 18254-1:2016)

Julkaisukieli: en

### **59.080.70 Geotekstiilit**

SFS-EN 13719:2016:en, 2016-05-06

Geosynthetics. Determination of the long term protection efficiency of geosynthetics in contact with geosynthetic barriers

Julkaisukieli: en

Korvaa:

SFS-EN 13719:en:2002

### **59.140 Nahkateollisuus**

SFS-EN ISO 19070:en, 2016-04-15

Leather. Chemical determination of N-methyl-2-pyrrolidone (NMP) in leather (ISO 19070:2016)

Julkaisukieli: en

SFS-EN ISO 19071:en, 2016-04-15

Leather. Chemical tests. Determination of chromium (VI) and the reductive potential for chromium tanning agents (ISO 19071:2016)

Julkaisukieli: en

### **61.020 Vaatteet**

SFS 5236, 2016-04-15

Tekstiilien hoito-ohjemerkinä. Sanalliset ohjeet  
Care Labelling of Textiles. Care maintenance terms

Julkaisukieli: fi

Korvaa:



SFS 5236:2003

#### **61.040 Päähineet. Asusteet. Vaatteiden kiinnitys**

SFS-EN ISO 10734:2016:en, 2016-05-27

Footwear. Test method for slide fasteners. Strength of slide fastener pullers (ISO 10734:2016)

Julkaisukieli: en

SFS-EN ISO 10751:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Resistance to repeated opening and closing (ISO 10751:2016)

Julkaisukieli: en

SFS-EN ISO 10764:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Lateral strength (ISO 10764:2016)

Julkaisukieli: en

SFS-EN ISO 18403:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Resistance to damage during closure under a lateral force (ISO 18403:2016)

Julkaisukieli: en

#### **61.060 Jalkineet**

SFS-EN ISO 10734:2016:en, 2016-05-27

Footwear. Test method for slide fasteners. Strength of slide fastener pullers (ISO 10734:2016)

Julkaisukieli: en

SFS-EN ISO 10751:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Resistance to repeated opening and closing (ISO 10751:2016)

Julkaisukieli: en

SFS-EN ISO 10764:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Lateral strength (ISO 10764:2016)

Julkaisukieli: en

SFS-EN ISO 17694:2016:en, 2016-05-27

Footwear. Test methods for uppers and lining. Flex resistance (ISO 17694:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13512:en:2002

SFS-EN ISO 17697:2016:en, 2016-05-27

Footwear. Test methods for uppers, lining and insocks. Seam strength (ISO 17697:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13572:en:2002

SFS-EN ISO 17698:2016:en, 2016-05-27

Footwear. Test methods for uppers. Delamination resistance (ISO 17698:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 13514:en:2002

SFS-EN ISO 17701:2016:en, 2016-05-27

Footwear. Test methods for uppers, lining and insoles. Colour migration (ISO 17701:2016)

Julkaisukieli: en

SFS-EN ISO 18403:2016:en, 2016-05-27

Footwear. Test methods for slide fasteners. Resistance to damage during closure under a lateral force (ISO 18403:2016)

Julkaisukieli: en

SFS-EN ISO 22649:2016:en, 2016-05-27

Footwear. Test methods for insoles and insoles. Water absorption and desorption (ISO 22649:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 12746:2000

SFS-EN 12746/A1:en:2005

#### **65.060.01 Maatalouskoneet ja -laitteet, yleistä**

SFS-EN ISO 4254-14:en, 2016-04-22

Maatalouskoneet. Turvallisuus. Osa 14: Paalien kiedontalaitteet

Agricultural machinery. Safety. Part 14: Bale wrappers (ISO 4254-14:2016)

Julkaisukieli: en

#### **65.060.50 Korjuukoneet**

SFS-EN ISO 4254-14:en, 2016-04-22

Maatalouskoneet. Turvallisuus. Osa 14: Paalien kiedontalaitteet

Agricultural machinery. Safety. Part 14: Bale wrappers (ISO 4254-14:2016)

Julkaisukieli: en

#### **67.020 Elintarviketeollisuuden prosessit**

SFS-EN 16889:2016:en, 2016-05-27

Food hygiene. Production and dispense of hot beverages from hot beverage appliances. Hygiene requirements, migration test

Julkaisukieli: en

#### **67.050 Yleiset testaus- ja analysointimenetelmät**

SFS-EN 16802:en, 2016-04-08

Elintarvikkeet. Alkuaineiden ja niiden kemiallisten yhdisteiden määrittäminen. Epäorgaanisen arseenin määrittäminen merellistä ja kasviaikuperäistä elintarvikkeista käyttäen anioninvaihto-HPLC-ICP-MS-menetelmää  
Foodstuffs. Determination of elements and their chemical species. Determination of inorganic arsenic in foodstuffs of marine and plant origin by anion-exchange HPLC-ICP-MS

Julkaisukieli: en

### **67.060 Viljat, palkokasvit ja niiden jalosteet**

SFS-EN 16802:en, 2016-04-08

Elintarvikkeet. Alkuaineiden ja niiden kemiallisten yhdisteiden määrittäminen. Epäorgaanisen arseenin määrittäminen merellistä ja kasviaalkuperää olevista elintarvikkeista käyttäen anioninvaihto-HPLC-ICP-MS-menetelmää  
Foodstuffs. Determination of elements and their chemical species. Determination of inorganic arsenic in foodstuffs of marine and plant origin by anion-exchange HPLC-ICP-MS

Julkaisukieli: en

### **67.100 Maito ja maitovalmisteet**

SFS-EN ISO 8968-4:2016:en, 2016-05-06

Milk and milk products. Determination of nitrogen content. Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method) (ISO 8968-4:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 8968-4:en:2002

### **67.120 Liha, lihavalmisteet ja muut eläintuotteet**

SFS-EN 16801:en, 2016-04-08

Elintarvikkeet. Alkuaineiden ja niiden kemiallisten yhdisteiden määrittäminen. Metyylielohopean määrittäminen merellistä alkuperää olevista elintarvikkeista käyttäen GC-ICP-MS -isotooppilaimennusmenetelmää  
Foodstuffs. Determination of elements and their chemical species. Determination of methylmercury in foodstuffs of marine origin by isotope dilution GC-ICP-MS

Julkaisukieli: en

SFS-EN 16802:en, 2016-04-08

Elintarvikkeet. Alkuaineiden ja niiden kemiallisten yhdisteiden määrittäminen. Epäorgaanisen arseenin määrittäminen merellistä ja kasviaalkuperää olevista elintarvikkeista käyttäen anioninvaihto-HPLC-ICP-MS-menetelmää  
Foodstuffs. Determination of elements and their chemical species. Determination of inorganic arsenic in foodstuffs of marine and plant origin by anion-exchange HPLC-ICP-MS

Julkaisukieli: en

### **67.200 Ruokaöljyt ja ravintorasvat. Öljykasvien siemenet**

SFS-EN ISO 15753:en, 2016-04-22

Animal and vegetable fats and oils. Determination of polycyclic aromatic hydrocarbons (ISO 15753:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 15753/A1:en:2012

SFS-EN ISO 15753:en:2006

SFS-EN ISO 662:2016:en, 2016-05-06

Animal and vegetable fats and oils. Determination of moisture and volatile matter content (ISO 662:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 662:en:2001

SFS-EN ISO 9936:en, 2016-04-22

Animal and vegetable fats and oils. Determination of tocopherol and tocotrienol contents by high-performance liquid chromatography (ISO 9936:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 9936/A1:en:2012

SFS-EN ISO 9936/AC:en:2008

SFS-EN ISO 9936:en:2006

#### **67.240 Aistinvarainen arviointi**

SFS-EN ISO 13299:en, 2016-04-15

Sensory analysis. Methodology. General guidance for establishing a sensory profile (ISO 13299:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 13299:en:2010

#### **67.260 Elintarviketeollisuuden laitteistot ja laitteet**

SFS-EN 16889:2016:en, 2016-05-27

Food hygiene. Production and dispense of hot beverages from hot beverage appliances. Hygiene requirements, migration test

Julkaisukieli: en

#### **71.100.35 Teollisuuden ja kotitalouksien desinfektioaineet**

SFS-EN 1657:en, 2016-04-15

Kemialliset desinfektioaineet ja antiseptiset aineet. Kvantitatiivinen suspensiotesti sieniä tai hiivaa tappavan vaikutuksen arvioimiseksi eläinlääketieteessä. Testimenetelmä ja vaatimukset (vaihe 2.1)

Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area. Test method and requirements (phase 2, step 1)

Julkaisukieli: en

Korvaa:

SFS-EN 1657:en:2006

#### **71.100.80 Vedenpuhdistuskemikaalit**

SFS-EN 12678:2016:en, 2016-05-27

Chemical used for treatment of water intended for human consumption. Potassium peroxomonosulfate

Julkaisukieli: en

Korvaa:

SFS-EN 12678:en:2009

#### **75.080 Öljytuotteet, yleistä**

SFS-EN ISO 22854:en, 2016-04-22

Liquid petroleum products. Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel. Multidimensional gas chromatography method (ISO 22854:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 22854:en:2014

### **75.160 Polttoaineet**

SFS-EN ISO 17827-1:en, 2016-04-15

Kiinteät biopolttoaineet. Palakokojakauman määrittäminen tiivistymättömille polttoaineille. Osa 1:

Täryseulamenetelmä (oskilloiva) käyttäen 3,15 mm ja sen yli meneviä seulan aukkoja

Solid biofuels. Determination of particle size distribution for uncompressed fuels. Part 1: Oscillating screen method using sieves with apertures of 3,15 mm and above (ISO 17827-1:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 15149-1:2011

SFS-EN 15149-1:en:2011

SFS-EN ISO 17830:en, 2016-04-15

Solid biofuels. Particle size distribution of disintegrated pellets (ISO 17830:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 16126:en:2012

SFS-EN ISO 22854:en, 2016-04-22

Liquid petroleum products. Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol (E85) automotive fuel. Multidimensional gas chromatography method (ISO 22854:2016)

Julkaisukieli: en

Korvaa:

SFS-EN ISO 22854:en:2014

### **75.200 Öljytuotteiden ja maakaasun käsittelylaitteet**

SFS-EN 1473:2016:en, 2016-05-27

Nesteytetyn maakaasun laitteistot ja asennukset. Maalla olevien laitteistojen suunnittelu

Installation and equipment for liquefied natural gas. Design of onshore installations

Julkaisukieli: en

Korvaa:

SFS-EN 1473:en:2007

SFS-EN 1918-1:en, 2016-04-01

Maanalaiset kaasuväestöt. Osa 1: Toiminnalliset vaatimukset kaasun varastoinnille akviferi-kerrostumissa

Gas infrastructure. Underground gas storage. Part 1: Functional recommendations for storage in aquifers

Julkaisukieli: en

Korvaa:

SFS-EN 1918-1:en:1998

SFS-EN 1918-2:en, 2016-04-01

Maanalaiset kaasuvarastot. Osa 2: Toiminnalliset vaatimukset kaasun varastoinnille öljy- ja kaasukentissä  
Gas infrastructure. Underground gas storage. Part 2: Functional recommendations for storage in oil and gas fields

Julkaisukieli: en

Korvaa:

SFS-EN 1918-2:en:1998

SFS-EN 1918-3:en, 2016-04-01

Maanalaiset kaasuvarastot. Osa 3: Toiminnalliset vaatimukset kaasun varastoinnille suolakerrostumiin liuotetuissa onkaloissa

Gas infrastructure. Underground gas storage. Part 3: Functional recommendations for storage in solution-mined salt caverns

Julkaisukieli: en

Korvaa:

SFS-EN 1918-3:en:1998

SFS-EN 1918-4:en, 2016-04-01

Maanalaiset kaasuvarastot. Osa 4: Toiminnalliset vaatimukset kaasun varastoinnille kallioluolissa

Gas infrastructure. Underground gas storage. Part 4: Functional recommendations for storage in rock caverns

Julkaisukieli: en

Korvaa:

SFS-EN 1918-4:en:1998

SFS-EN 1918-5:en, 2016-04-01

Maanalaiset kaasuvarastot. Osa 5: Toiminnalliset vaatimukset kaasuvarastojen maanpäällisille laitteistoille  
Gas infrastructure. Underground gas storage. Part 5: Functional recommendations for surface facilities

Julkaisukieli: en

Korvaa:

SFS-EN 1918-5:en:1998

SFS-EN ISO 21809-3:en, 2016-04-01

Petroleum and natural gas industries. External coatings for buried or submerged pipelines used in pipeline transportation systems. Part 3: Field joint coatings (ISO 21809-3:2016)

Julkaisukieli: en

Korvaa:

SFS-EN 10329:en:2006

## **77.060 Metallien korroosio**

SFS-EN 14038-1:en, 2016-04-08

Electrochemical realkalization and chloride extraction treatments for reinforced concrete. Part 1:

Realkalization

Julkaisukieli: en

Korvaa:

CEN/TS 14038-1:en:2004

## **77.140.75 Teräsputket erikoiskäyttöön**

SFS-EN 10305-1:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 1: Saumattomat kylmävedetyt putket

Steel tubes for precision applications. Technical delivery conditions. Part 1: Seamless cold drawn tubes

Julkaisukieli: en

Korvaa:

SFS-EN 10305-1:2010

SFS-EN 10305-1:en:2010

SFS-EN 10305-2:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 2: Hitsatut kylmävedetyt putket

Steel tubes for precision applications. Technical delivery conditions. Part 2: Welded cold drawn tubes

Julkaisukieli: en

Korvaa:

SFS-EN 10305-2:2010

SFS-EN 10305-2:en:2010

SFS-EN 10305-3:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 3: Hitsatut kylmämuokatut putket

Steel tubes for precision applications. Technical delivery conditions. Part 3: Welded cold sized tubes

Julkaisukieli: en

Korvaa:

SFS-EN 10305-3:2010

SFS-EN 10305-3:en:2010

SFS-EN 10305-4:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 4: Saumattomat kylmävedetyt putket hydraulikka- ja pneumatiikkajärjestelmiin

Steel tubes for precision applications. Technical delivery conditions. Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems

Julkaisukieli: en

Korvaa:

SFS-EN 10305-4:en:2011

SFS-EN 10305-5:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 5: Hitsatut kylmämuokatut neliö- ja suorakaideputket

Steel tubes for precision applications. Technical delivery conditions. Part 5: Welded cold sized square and rectangular tubes

Julkaisukieli: en

Korvaa:

SFS-EN 10305-5:2010

SFS-EN 10305-5:en:2010

SFS-EN 10305-6:en, 2016-04-08

Ohutseinäteräsputket. Tekniset toimitusehdot. Osa 6: Hitsatut kylmävedetyt putket hydraulikka- ja pneumatiikkajärjestelmiin

Steel tubes for precision applications. Technical delivery conditions. Part 6: Welded cold drawn tubes for hydraulic and pneumatic power systems

Julkaisukieli: en  
Korvaa:  
SFS-EN 10305-6:en:2005

### **77.140.80 Teräs- ja rautavalut**

SFS-EN ISO 11970, 2016-04-08  
Hitsausohjeet ja niiden hyväksyntä teräsvalujen tuotantohitsaukseen  
Specification and qualification of welding procedures for production welding of steel castings (ISO 11970:2016)  
Julkaisukieli: fi/en  
Korvaa:  
SFS-EN ISO 11970:en:2007

SFS-EN ISO 11970:en, 2016-04-08  
Hitsausohjeet ja niiden hyväksyntä teräsvalujen tuotantohitsaukseen  
Specification and qualification of welding procedures for production welding of steel castings (ISO 11970:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 11970:en:2007

### **77.180 Metallurgisessa teollisuudessa käytettävät laitteet**

SFS-EN 16774:2016:en, 2016-05-06  
Koneturvallisuus. Teräksen valmistuksessa käytettävien konverttereiden ja niihin liittyvien laitteiden turvallisuusvaatimukset  
Safety of machinery. Safety requirements for steel converter and associated equipment  
Julkaisukieli: en

### **79.040 Puutavara, sahatukit ja sahatavara**

SFS-EN 338:en, 2016-04-15  
Structural timber. Strength classes  
Julkaisukieli: en  
Korvaa:  
SFS-EN 338:en:2010

### **79.080 Puiset puolivalmisteet**

SFS-EN 1910:2016:en, 2016-05-06  
Wood flooring and wood panelling and cladding. Determination of dimensional stability  
Julkaisukieli: en  
Korvaa:  
SFS-EN 1910:en:2013

### **81.060 Keramiikka**

SFS-EN ISO 13383-1:2016:en, 2016-05-06



Fine ceramics (advanced ceramics, advanced technical ceramics). Microstructural characterization. Part 1: Determination of grain size and size distribution (ISO 13383-1:2012)

Julkaisukieli: en

Korvaa:

SFS-EN 623-3:en:2001

SFS-EN ISO 13383-2:2016:en, 2016-05-06

Fine ceramics (advanced ceramics, advanced technical ceramics). Microstructural characterization. Part 2: Determination of phase volume fraction by evaluation of micrographs (ISO 13383-2:2012)

Julkaisukieli: en

Korvaa:

SFS-EN 623-5:en:2009

SFS-EN ISO 14544:2016:en, 2016-05-06

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at high temperature. Determination of compression properties (ISO 14544:2013)

Julkaisukieli: en

Korvaa:

SFS-EN 12290:en:2005

SFS-EN 12291:en:2003

SFS-EN ISO 14574:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at high temperature. Determination of tensile properties (ISO 14574:2013)

Julkaisukieli: en

Korvaa:

SFS-EN 1892:en:2005

SFS-EN 1893:en:2005

SFS-EN ISO 14604:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Methods of test for ceramic coatings. Determination of fracture strain (ISO 14604:2012)

Julkaisukieli: en

Korvaa:

SFS-EN 1071-9:en:2009

SFS-EN ISO 14629:2016:en, 2016-05-06

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of flowability of ceramic powders (ISO 14629:2012)

Julkaisukieli: en

SFS-EN ISO 17140:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at room temperature. Determination of fatigue properties at constant amplitude (ISO 17140:2014)

Julkaisukieli: en

Korvaa:

SFS-EN 15156:en:2006

SFS-EN ISO 17142:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Mechanical properties of ceramic composites at high temperature in air at atmospheric pressure. Determination of fatigue properties at constant amplitude (ISO 17142:2014)

Julkaisukieli: en

Korvaa:

SFS-EN 15157:en:2006

SFS-EN ISO 17161:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Ceramic composites. Determination of the degree of misalignment in uniaxial mechanical tests (ISO 17161:2014)

Julkaisukieli: en

Korvaa:

CEN/TS 15867:en:2009

SFS-EN ISO 18452:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of thickness of ceramic films by contact-probe profilometer (ISO 18452:2005)

Julkaisukieli: en

Korvaa:

SFS-EN 1071-1:en:2003

SFS-EN ISO 20502:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of adhesion of ceramic coatings by scratch testing (ISO 20502:2005 including Cor 1:2009)

Julkaisukieli: en

Korvaa:

SFS-EN 1071-3:en:2005

SFS-EN ISO 20504:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Test method for compressive behaviour of continuous fibre-reinforced composites at room temperature (ISO 20504:2006)

Julkaisukieli: en

Korvaa:

SFS-EN 658-2:en:2003

SFS-EN ISO 23145-1:2016:en, 2016-05-06

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of bulk density of ceramic powders. Part 1: Tap density (ISO 23145-1:2007)

Julkaisukieli: en

Korvaa:

SFS-EN 725-8:en:2006

SFS-EN ISO 23145-2:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of bulk density of ceramic powders. Part 2: Untapped density (ISO 23145-2:2012)

Julkaisukieli: en

Korvaa:

SFS-EN 725-9:en:2006

SFS-EN ISO 23146:2016:en, 2016-05-06

Fine ceramics (advanced ceramics, advanced technical ceramics). Test methods for fracture toughness of monolithic ceramics. Single-edge V-notch beam (SEVNB) method (ISO 23146:2012)

Julkaisukieli: en

Korvaa:

CEN/TS 14425-5:en:2004

SFS-EN ISO 26423:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of coating thickness by crater-grinding method (ISO 26423:2009)

Julkaisukieli: en

Korvaa:

SFS-EN 1071-2:en:2003

SFS-EN ISO 26424:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Determination of the abrasion resistance of coatings by a micro-scale abrasion test (ISO 26424:2008)

Julkaisukieli: en

Korvaa:

SFS-EN 1071-6:en:2007

SFS-EN ISO 26443:en, 2016-04-29

Fine ceramics (advanced ceramics, advanced technical ceramics). Rockwell indentation test for evaluation of adhesion of ceramic coatings (ISO 26443:2008)

Julkaisukieli: en

Korvaa:

CEN/TS 1071-8:en:2004

### **83.040 Kumin ja muovin raaka-aineet**

SFS-EN ISO 1043-4/A1:2016:en, 2016-05-06

Plastics. Symbols and abbreviated terms. Part 4: Flame retardants (ISO 1043-4:1998/Amd 1:2016)

Julkaisukieli: en

### **83.080.01 Muovit ja niiden testausmenetelmät**

SFS-EN ISO 1043-1/A1:2016:en, 2016-05-06

Plastics. Symbols and abbreviated terms. Part 1: Basic polymers and their special characteristics (ISO 1043-1:2011/Amd 1:2016)

Julkaisukieli: en

SFS-EN ISO 1043-4/A1:2016:en, 2016-05-06

Plastics. Symbols and abbreviated terms. Part 4: Flame retardants (ISO 1043-4:1998/Amd 1:2016)

Julkaisukieli: en

SFS-EN ISO 4892-1:2016:en, 2016-05-27

Plastics. Methods of exposure to laboratory light sources. Part 1: General guidance (ISO 4892-1:2016)

Julkaisukieli: en

Korvaa:  
SFS-EN ISO 4892-1:en:2001

### **83.180 Sideaineet**

SFS-EN 14814:2016:en, 2016-05-27  
Paineenalaisille nesteille tarkoitettujen kestopuoviputkistojen liimat. Spesifikaatiot  
Adhesives for thermoplastic piping systems for fluids under pressure. Specifications  
Julkaisukieli: en  
Korvaa:  
SFS-EN 14814:2007  
SFS-EN 14814:en:2007

SFS-EN 16254 + A1:en, 2016-04-22  
Adhesives. Emulsion polymerized isocyanate (EPI) for load-bearing timber structures. Classification and  
performance requirements  
Julkaisukieli: en  
Korvaa:  
SFS-EN 16254:en:2013

### **87.040 Maalit ja lakat**

SFS-EN ISO 16482-1:2016:en, 2016-05-06  
Binders for paints and varnishes. Determination of the non-volatile-matter content of aqueous rosin-resin  
dispersions. Part 1: Oven method (ISO 16482-1:2013)  
Julkaisukieli: en

SFS-EN ISO 16482-2:2016:en, 2016-05-06  
Binders for paints and varnishes. Determination of the non-volatile-matter content of aqueous rosin-resin  
dispersions. Part 2: Microwave method (ISO 16482-2:2013)  
Julkaisukieli: en

SFS-EN ISO 16773-1:en, 2016-04-22  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens. Part 1: Terms and  
definitions (ISO 16773-1:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 16773-1:en:2007

SFS-EN ISO 16773-2:en, 2016-04-22  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens. Part 2: Collection  
of data (ISO 16773-2:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 16773-2:en:2007

SFS-EN ISO 16773-3:en, 2016-04-22  
Electrochemical impedance spectroscopy (EIS) on coated and uncoated metallic specimens. Part 3: Processing  
and analysis of data from dummy cells (ISO 16773-3:2016)

Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 16773-3:en:2009

SFS-EN ISO 21809-3:en, 2016-04-01  
Petroleum and natural gas industries. External coatings for buried or submerged pipelines used in pipeline transportation systems. Part 3: Field joint coatings (ISO 21809-3:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN 10329:en:2006

SFS-EN ISO 2811-1:en, 2016-04-01  
Paints and varnishes. Determination of density. Part 1: Pycnometer method (ISO 2811-1:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 2811-1:en:2011

SFS-EN ISO 4624:en, 2016-04-15  
Maalit ja lakat. Tarttuvuuden arviointi vetokokeella  
Paints and varnishes. Pull-off test for adhesion (ISO 4624:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 4624:2003  
SFS-EN ISO 4624:en:2003

SFS-EN ISO 7784-1:en, 2016-04-22  
Paints and varnishes. Determination of resistance to abrasion. Part 1: Method with abrasive-paper covered wheels and rotating test specimen (ISO 7784-1:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 7784-1:en:2006

SFS-EN ISO 7784-2:en, 2016-04-22  
Paints and varnishes. Determination of resistance to abrasion. Part 2: Method with abrasive rubber wheels and rotating test specimen (ISO 7784-2:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 7784-2:en:2006

SFS-EN ISO 7784-3:en, 2016-04-22  
Paints and varnishes. Determination of resistance to abrasion. Part 3: Method with abrasive-paper covered wheel and linearly reciprocating test specimen (ISO 7784-3:2016)  
Julkaisukieli: en  
Korvaa:  
SFS-EN ISO 7784-3:en:2006

## **87.060 Maalin raaka-aineet**

SFS-EN ISO 16482-1:2016:en, 2016-05-06

Binders for paints and varnishes. Determination of the non-volatile-matter content of aqueous rosin-resin dispersions. Part 1: Oven method (ISO 16482-1:2013)

Julkaisukieli: en

SFS-EN ISO 16482-2:2016:en, 2016-05-06

Binders for paints and varnishes. Determination of the non-volatile-matter content of aqueous rosin-resin dispersions. Part 2: Microwave method (ISO 16482-2:2013)

Julkaisukieli: en

**90.900 EU:n virallisessa lehdessä (OJ) julkaisematon päivitetty rakennustuotteiden harmonisoitu tuotestandardi, jota ei vielä voi käyttää CE-merkintään.**

Katso hEN Helpdeskistä CE-merkintään voimassa oleva ”kumottu” versio

SFS-EN 13055:2016:en, 2016-05-27

Lightweight aggregates

Julkaisukieli: en

Korvaa:

SFS-EN 13055-1 + AC:2002

SFS-EN 13055-1 + AC:en:2002

SFS-EN 13055-2:2004

SFS-EN 13055-2:en:2004

SFS-EN 14814:2016:en, 2016-05-27

Paineenalaisille nesteille tarkoitettujen kestopuoviputkistojen liimat. Spesifikaatiot

Adhesives for thermoplastic piping systems for fluids under pressure. Specifications

Julkaisukieli: en

Korvaa:

SFS-EN 14814:2007

SFS-EN 14814:en:2007

**90.910 EU:n virallisessa lehdessä (OJ) julkaisematon tuleva rakennustuotteiden harmonisoitu tuotestandardi, jota ei vielä voi käyttää CE-merkintään**

SFS-EN 16475-3:en, 2016-04-22

Savupiiput. Lisälaitteet. Osa 3: Vedonsäätimet, lepotilan avauslaitteet ja yhdistetyt toisioilmalaitteet.

Vaatimukset ja testausmenetelmät

Chimneys. Accessories. Part 3: Draught regulators, standstill opening devices and combined secondary air devices. Requirements and test methods

Julkaisukieli: en

**91.060.40 Savupiiput, hormit ja kanavat**

SFS-EN 16475-3:en, 2016-04-22

Savupiiput. Lisälaitteet. Osa 3: Vedonsäätimet, lepotilan avauslaitteet ja yhdistetyt toisioilmalaitteet.

Vaatimukset ja testausmenetelmät

Chimneys. Accessories. Part 3: Draught regulators, standstill opening devices and combined secondary air devices. Requirements and test methods

Julkaisukieli: en

### **91.080.40 Betonirakenteet**

SFS-EN 14038-1:en, 2016-04-08

Electrochemical realkalization and chloride extraction treatments for reinforced concrete. Part 1: Realkalization

Julkaisukieli: en

Korvaa:

CEN/TS 14038-1:en:2004

SFS-EN 1504-8:2016:en, 2016-05-20

Betonirakenteiden suojaus- ja korjausaineet ja niiden yhdistelmät. Määritelmät, vaatimukset, laadunvalvonta ja AVCP. Osa 8: Laadunvalvonta ja suoritustason pysyvyyden arviointi ja varmentaminen (AVCP)  
Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and AVCP. Part 8: Quality control and Assessment and verification of the constancy of performance (AVCP)

Julkaisukieli: en

Korvaa:

SFS-EN 1504-8:2005

SFS-EN 1504-8:en:2005

### **91.100.10 Sementti. Kipsi. Kalkki. Erikoislaastit**

SFS-EN 196-1:2016:en, 2016-05-06

Methods of testing cement. Part 1: Determination of strength

Julkaisukieli: en

Korvaa:

SFS-EN 196-1:en:2005

SFS-EN 196-10:2016:en, 2016-05-27

Methods of testing cement. Part 10: Determination of the water-soluble chromium (VI) content of cement

Julkaisukieli: en

Korvaa:

SFS-EN 196-10:en:2006

### **91.100.15 Mineraalimateriaalit ja tuotteet**

SFS-EN 13055:2016:en, 2016-05-27

Lightweight aggregates

Julkaisukieli: en

Korvaa:

SFS-EN 13055-1 + AC:2002

SFS-EN 13055-1 + AC:en:2002

SFS-EN 13055-2:2004

SFS-EN 13055-2:en:2004

### **91.100.30 Betoni ja betonituotteet**

SFS-EN 13230-1:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 1: Yleiset vaatimukset

Railway applications. Track. Concrete sleepers and bearers. Part 1: General requirements

Julkaisukieli: en

Korvaa:

SFS-EN 13230-1:en:2009

SFS-EN 13230-2:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 2: Esijännitetyt yksiosaiset pölkkyt

Railway applications. Track. Concrete sleepers and bearers. Part 2: Prestressed monoblock sleepers

Julkaisukieli: en

Korvaa:

SFS-EN 13230-2:en:2009

SFS-EN 13230-3:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 3: Kaksiosaiset teräsbetonipölkkyt

Railway applications. Track. Concrete sleepers and bearers. Part 3: Twin-block reinforced sleepers

Julkaisukieli: en

Korvaa:

SFS-EN 13230-3:en:2009

SFS-EN 13230-4:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 4: Esijännitetyt vaihdepölkkyt vaihteita ja risteyskiä varten

Railway applications. Track. Concrete sleepers and bearers. Part 4: Prestressed bearers for switches and crossings

Julkaisukieli: en

Korvaa:

SFS-EN 13230-4:en:2009

SFS-EN 13230-5:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 5: Erikoiselementit

Railway applications. Track. Concrete sleepers and bearers. Part 5: Special elements

Julkaisukieli: en

Korvaa:

SFS-EN 13230-5:en:2009

### **91.100.50 Saumausmateriaalit**

SFS-EN 13719:2016:en, 2016-05-06

Geosynthetics. Determination of the long term protection efficiency of geosynthetics in contact with geosynthetic barriers

Julkaisukieli: en

Korvaa:

SFS-EN 13719:en:2002

### **91.140.30 Ilmanvaihto ja ilmastointi**

SFS-EN 14825:en, 2016-04-01

Lämmitykseen ja jäähdytykseen tarkoitetut, sähkökäyttöisellä kompressorilla toimivat

huoneilmastointikoneet, nestejäähdyttimet ja lämpöpumput. Testaus ja luokitus osittaisella kuormituksella ja



kausittaisen suorituskyky-kertoimen laskeminen

Air conditioners, liquid chilling packages and heat pumps, with electrically driven compressors, for space heating and cooling. Testing and rating at part load conditions and calculation of seasonal performance

Julkaisukieli: en

Korvaa:

SFS-EN 14825:en:2013

### **91.140.65 Kuumavesivaraajat**

SFS-EN 50193-2-1:2016:en, 2016-05-27

Electric instantaneous water heaters - Part 2-1: Methods for measuring the performance - Multifunctional electric instantaneous water heaters

Julkaisukieli: en

### **91.140.80 Viemäröinti**

SFS-EN 1253-3:2016:en, 2016-05-27

Rakennusten viemärikaivot. Osa 3: Vaatimustenmukaisuuden arviointi

Gullies for buildings. Part 3: Evaluation of conformity

Julkaisukieli: en

Korvaa:

SFS-EN 1253-3:en:1999

SFS-EN 1253-4:2016:en, 2016-05-06

Rakennusten viemärikaivot. Osa 4: Kannot

Gullies for buildings. Part 4: Access covers

Julkaisukieli: en

Korvaa:

SFS-EN 1253-4:en:2000

### **93.080.20 Tienrakennusmateriaalit**

SFS-EN 12697-16:en, 2016-04-15

Asfalttimassat. Testausmenetelmät. Osa 16: Nastarengaskuluminen

Bituminous mixtures. Test methods. Part 16: Abrasion by studded tyres

Julkaisukieli: en

Korvaa:

SFS-EN 12697-16:2004

SFS-EN 12697-16:en:2004

SFS-EN 12697-35:en, 2016-04-15

Asfalttimassat. Testausmenetelmät. Osa 35: Laboratoriosekoitus

Bituminous mixtures. Test methods. Part 35: Laboratory mixing

Julkaisukieli: en

Korvaa:

SFS-EN 12697-35 + A1:en:2007

### **93.080.30 Tietekniikan laitteet ja asennukset**

SFS-EN 1793-5:en, 2016-04-08

Teiden melusteet. Akustisten ominaisuuksien määrittäminen. Osa 5: Tuotekohtaiset ominaisuudet. Äänen heijastumisen mittaus käyttöpaikalla suorassa äänikentässä

Road traffic noise reducing devices. Test method for determining the acoustic performance. Part 5: Intrinsic characteristics. In situ values of sound reflection under direct sound field conditions

Julkaisukieli: en

Korvaa:

CEN/TS 1793-5:en:2003

### **93.100 Rautatienrakentaminen**

SFS-EN 13230-1:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 1: Yleiset vaatimukset

Railway applications. Track. Concrete sleepers and bearers. Part 1: General requirements

Julkaisukieli: en

Korvaa:

SFS-EN 13230-1:en:2009

SFS-EN 13230-2:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 2: Esijännitetyt yksiosaiset pölkkyt

Railway applications. Track. Concrete sleepers and bearers. Part 2: Prestressed monoblock sleepers

Julkaisukieli: en

Korvaa:

SFS-EN 13230-2:en:2009

SFS-EN 13230-3:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 3: Kaksiosaiset teräsbetonipölkkyt

Railway applications. Track. Concrete sleepers and bearers. Part 3: Twin-block reinforced sleepers

Julkaisukieli: en

Korvaa:

SFS-EN 13230-3:en:2009

SFS-EN 13230-4:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 4: Esijännitetyt vaihdepölkkyt vaihteita ja risteyksiä varten

Railway applications. Track. Concrete sleepers and bearers. Part 4: Prestressed bearers for switches and crossings

Julkaisukieli: en

Korvaa:

SFS-EN 13230-4:en:2009

SFS-EN 13230-5:2016:en, 2016-05-20

Kiskoliikenne. Rata. Betoniset rata- ja vaihdepölkkyt. Osa 5: Erikoiselementit

Railway applications. Track. Concrete sleepers and bearers. Part 5: Special elements

Julkaisukieli: en

Korvaa:

SFS-EN 13230-5:en:2009

SFS-EN 16727-2-2:2016:en, 2016-05-20

Kiskoliikenne. Rata. Ilmaaäntä eristävä melusuojaus. Muut kuin akustiset ominaisuudet. Osa 2-2: Mekaaninen suorituskyky junien aiheuttamassa dynaamisessa kuormituksessa. Laskentamenetelmä  
Railway applications. Track. Noise barriers and related devices acting on airborne sound propagation. Non-acoustic performance. Part 2-2: Mechanical performance under dynamic loadings caused by passing trains.  
Calculation method

Julkaisukieli: en

SFS-EN 16729-1:2016:en, 2016-05-20

Kiskoliikenne. Infrastruktuuri. Kiskojen NDT-testaus. Osa 1: Ultraäänitarkastuksen vaatimukset ja arviointikriteerit

Railway applications. Infrastructure. Non-destructive testing on rails in track. Part 1: Requirements for ultrasonic inspection and evaluation principles

Julkaisukieli: en

### **97.040 Keittiökalusteet ja -koneet**

SFS-EN 16889:2016:en, 2016-05-27

Food hygiene. Production and dispense of hot beverages from hot beverage appliances. Hygiene requirements, migration test

Julkaisukieli: en

SFS-EN 60335-2-37/A12:en, 2016-04-01

Household and similar electrical appliances - Safety - Part 2-37: Particular requirements for commercial electric deep fat fryers

Julkaisukieli: en

### **97.060 Pyykinpesukoneet ja muut vaatehuollon laitteet**

SFS-EN 60456:en, 2016-04-22

Clothes washing machines for household use - Methods for measuring the performance

Julkaisukieli: en

Korvaa:

SFS-EN 60456/AC:en:2015

SFS-EN 60456:en:2011

### **97.180 Muut laitteet ja tarvikkeet koti- ja kaupalliseen käyttöön**

SFS-EN 13869:en, 2016-04-22

Savukkeensytyttimet. Lapsiturvallisuus. Turvallisuusvaatimukset ja testausmenetelmät  
Lighters. Child safety requirements for lighters. Safety requirements and test methods

Julkaisukieli: en

Korvaa:

SFS-EN 13869 + A1:en:2011

### **97.195 Taide-esineet ja käsityötavarat**

SFS-EN 16782:2016:en, 2016-05-13

Conservation of cultural heritage. Cleaning of porous inorganic materials. Laser cleaning techniques for cultural heritage  
Julkaisukieli: en

### **Kumotut SFS-standardit**

SFS 3020  
1979-10-01; 1. p.  
Veden kemiallisen hapen kulutuksen, COD Cr, määrittäminen  
Ryhmät: 13.060

SFS 3319  
1987-09-21; 2. p.  
Yhteisantennilaitteet. Antennit  
Ryhmät: 33.120

SFS 5736  
1992-12-07; 1. p.  
Veden happoliukoisesta alumiinista määrittäminen. Fotometrinen menetelmä  
Ryhmät: 13.060

SFS 5738  
1992-09-21; 1. p.  
Veden sulfaatin määrittäminen. Nefelometrinen menetelmä  
Ryhmät: 13.060

SFS-EN ISO 6529:en  
2002-03-04; 0. p.  
Suojavaatetus. Suojaus kemikaaleja vastaan. Suojavaatemateriaalien kestävyden määrittäminen nesteiden ja kaasujen permeaatiota vastaan  
Ryhmät: 13.340.10

### **Uudet CENin julkaisut**

Tässä luettelossa mainitaan uudet CENin tekniset spesifikaatiot (TS), CENin tekniset raportit (TR), CWA-dokumentit (CEN Workshop Agreement) ja CENin oppaat (CEN Guide). Kaikki CENin vahvistamat standardit (EN) vahvistetaan SFS-EN-standardiksi, jotka luetellaan edellä olevassa luettelossa ”Uudet SFS-standardit).

### **03.100.10 Purchasing. Procurement. Logistics**

CWA 17025-1:2016  
Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 1: Overview and Architecture

CWA 17025-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 101: Conformance and Customization Methodology guideline

CWA 17025-102:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 102: Code List and Identifier Management specification

CWA 17025-103:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 103: Business Document and Envelope guideline

CWA 17025-104:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 104: Profile Architecture specification

CWA 17025-105:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 105: Conformance Registry specification

CWA 17025-106:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 106: Open Procurement Data report

CWA 17025-107:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 107: Message Level Response guideline

CWA 17025-108:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 108: Use of Digital Signature and Other Trust Services

CWA 17025-109:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 109: Guideline on the Concept of Core

CWA 17025-110:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 110: Profile Maintenance Process specification

CWA 17025-111:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 111: Capturing Business Requirements specification

CWA 17025-112:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 112: Syntax Implementations Guideline for Methodology

CWA 17025-113:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 113: Business Rules Description Mechanism guideline

CWA 17025-114:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 114: Attachments Handling guideline

CWA 17025-115:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 115: Semantic Data Type guideline

CWA 17025-116:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 116: Glossary and Business Term Vocabulary

CWA 17025-203:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 203: BDE Syntax Implementation Guideline for Messaging Envelope

CWA 17025-207:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 207: UBL Syntax Implementation Guideline for Message Level Response

CWA 17026-1:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 1: E-Notification overview Business Interoperability Interfaces for public procurement in Europe. E-Notification overview

CWA 17026-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 101: Profile BII10 Contract Notice

CWA 17026-102:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 102: Profile BII14 Prior Information Notice

CWA 17026-103:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 103: Profile BII43 Contract Award Notice

CWA 17026-104:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 104: Profile BII45 Search Notices

CWA 17026-105:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 105: Profile BII61 Communication between Notice Publishers

CWA 17026-106:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 106: Profile BII62 Search Notice Metadata

CWA 17026-201:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 201: UBL Syntax Binding for Trdm065 Notice Publication Response

CWA 17026-202:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 202: UBL Syntax Binding for Trdm078 Contract Notice

CWA 17026-203:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 203: UBL Syntax Binding for Trdm079 Prior Information Notice

CWA 17026-204:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 204: UBL Syntax Binding for Trdm080 Contract Award Notice

CWA 17027-1:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 1: E-Tendering overview

CWA 17027-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 101: Profile BII11 Advanced Qualification

CWA 17027-102:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 102: Profile BII12 Advanced Tendering

CWA 17027-103:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 103: Profile BII22 Advanced Call for Tenders

CWA 17027-104:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 104: Profile BII34 Advanced Call for Tenders with Pre-award Catalogue Request

CWA 17027-105:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 105: Profile BII35 Advanced Tendering with Pre-award Catalogue

CWA 17027-106:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 106: Profile BII37 Open Procedure

CWA 17027-107:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 107: Profile BII38 Advanced Invitation to Tender

CWA 17027-108:2016

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Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 307: UN/CEFACT Syntax Implementation Guideline for Trdm068 Pre-award Catalogue

CWA 17028-401:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 401: Guideline on the Usage of Classification Systems

CWA 17028-402:2016

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Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 104: Profile BII06 Procurement

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CWA 17029-211:2016

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CWA 17029-212:2016

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Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 302: UN/CEFACT Syntax Implementation Guideline for Trdm002 Simple Order Response

CWA 17029-305:2016

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CWA 17029-307:2016

Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 307: UN/CEFACT Syntax Implementation Guideline for Trdm014 Credit Note

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Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 308: UN/CEFACT Syntax Implementation Guideline for Trdm016 Despatch Advice

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Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 311: UN/CEFACT Syntax Implementation Guideline for Trdm076 Order Response

CWA 17029-312:2016

Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 312: CEFACT Syntax Implementation Guideline for Trdm077 Catalogue

CWA 17029-313:2016

Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 313: UN/CEFACT Syntax Implementation Guideline for Trdm110 Order Agreement

### **35.240.60 IT applications in transport and trade**

CEN/TR 16959:2016

Public transport. Network and Timetable Exchange (NeTEx). Examples, guidelines and explanatory materials

CEN/TR 16968:2016

Electronic Fee Collection. Assessment of security measures for applications using Dedicated Short-Range Communication

CEN/TS 15531-5:2016

Public transport. Service interface for real-time information relating to public transport operations. Part 5: Functional service interfaces situation exchange: Situation Exchange



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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 1: Overview and Architecture

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 101: Conformance and Customization Methodology guideline

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 102: Code List and Identifier Management specification

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 103: Business Document and Envelope guideline

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 104: Profile Architecture specification

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 106: Open Procurement Data report

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 107: Message Level Response guideline

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 109: Guideline on the Concept of Core

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 111: Capturing Business Requirements specification

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 114: Attachments Handling guideline

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Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 115: Semantic Data Type guideline

CWA 17025-116:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 116: Glossary and Business Term Vocabulary

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CWA 17025-207:2016

Business Interoperability Interfaces for Public Procurement in Europe. Architecture. Part 207: UBL Syntax Implementation Guideline for Message Level Response

CWA 17026-1:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 1: E-Notification overview Business Interoperability Interfaces for public procurement in Europe. E-Notification overview

CWA 17026-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 101: Profile BII10 Contract Notice

CWA 17026-102:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 102: Profile BII14 Prior Information Notice

CWA 17026-103:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 103: Profile BII43 Contract Award Notice

CWA 17026-104:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 104: Profile BII45 Search Notices

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Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 105: Profile BII61  
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CWA 17026-106:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 106: Profile BII62  
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Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 201: UBL Syntax  
Binding for Trdm065 Notice Publication Response

CWA 17026-202:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 202: UBL Syntax  
Binding for Trdm078 Contract Notice

CWA 17026-203:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 203: UBL Syntax  
Binding for Trdm079 Prior Information Notice

CWA 17026-204:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Notification. Part 204: UBL Syntax  
Binding for Trdm080 Contract Award Notice

CWA 17027-1:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 1: E-Tendering  
overview

CWA 17027-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 101: Profile BII11  
Advanced Qualification

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CWA 17027-104:2016

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Advanced Call for Tenders with Pre-award Catalogue Request

CWA 17027-105:2016

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CWA 17027-109:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 109: Profile BII40  
Advanced Invitation to Tender with Pre-award Catalogue Request

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European Single Procurement Document

CWA 17027-111:2016

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CWA 17027-112:2016

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CWA 17027-114:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 114: Profile BII49  
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CWA 17027-115:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 115: Profile BII50  
Tender Clarification

CWA 17027-116:2016

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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 118: Profile BII53  
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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 122: Profile BII59  
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CWA 17027-204:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 204: UBL Syntax  
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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 205: UBL Syntax  
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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 218: UBL Syntax Implementation Guideline for Trdm090 Tender

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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 221: UBL Syntax Implementation Guideline for Trdm094 Awarding Notification

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Business Interoperability Interfaces for Public Procurement in Europe. E-Tendering. Part 227: UBL Syntax Implementation Guideline for Trdm108 Advanced Invitation to tender

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CWA 17028-1:2016

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CWA 17028-101:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 101: Profile BII01 Catalogue Only

CWA 17028-102:2016

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CWA 17028-104:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 104 : Profile BII17 Multi-party Catalogue

CWA 17028-106:2016

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CWA 17028-201:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 201: UBL Syntax Implementation Guideline for Trdm019 Catalogue

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Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 204: UBL Syntax Implementation Guideline for Trdm021 Catalogue Item Update

CWA 17028-205:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 205: UBL Syntax Implementation Guideline for Trdm022 Catalogue Delete Request

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CWA 17028-303:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 303: UN/CEFACT Syntax Implementation Guideline for Trdm020 Catalogue Item Update

CWA 17028-304:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 304: UBL Syntax Implementation Guideline for Trdm001 Order

CWA 17028-305:2016

Business Interoperability Interfaces for Public Procurement in Europe. E-Catalogue. Part 305: UN/CEFACT Syntax Implementation Guideline for Trdm022 Catalogue Delete Request

CWA 17028-306:2016

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CWA 17029-210:2016

Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 210: UBL Syntax Implementation Guideline for Trdm026 Statement

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CWA 17029-308:2016

Business Interoperability Interfaces for Public Procurement in Europe. Post Award. Part 308: UN/CEFACT Syntax Implementation Guideline for Trdm016 Despatch Advice

CWA 17029-311:2016

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CWA 17029-313:2016

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### **35.240.99 IT applications in other fields**

CEN/TS 16919:2016

Postal services. Interface and data transfer format for capturing postal automation events IDT-PAE

### **53.020.20 Cranes**

CEN/TR 12896-9:2016

Public transport. Reference data model. Part 9: Informative documentation

### **71.020 Production in the chemical industry**

CWA 17031:2016

Sustainable integrated water use & treatment in process industries. a practical guidance (SustainWATER)

### **93.080.20 Road construction materials**

CEN/TS 12697-50:2016

Bituminous mixtures. Test methods. Part 50: Resistance to scuffing

## **97.200.40 Playgrounds**

CEN/TR 16879:2016

Siting of Playground and other recreational facilities. Advice on methods for positioning and separation

## **97.220.01 Sports equipment and facilities in general**

CEN/TR 16879:2016

Siting of Playground and other recreational facilities. Advice on methods for positioning and separation

## **WTO-tietopiste**

WTO:n kaupan teknisiä esteitä koskeva sopimus sekä terveys- ja kasvinsuojelutoimia koskeva sopimus sekä EY/EFTA-tietojenvaihtomenettely edellyttävät tiedottamista valmisteilla olevista teknisistä määräyksistä, standardeista, ohjeista ja varmentamisjärjestelmistä.

Tässä luettelossa mainitaan uudet ehdotukset standardeiksi. Luettelossa ei kuitenkaan mainita CENin eikä CENELECin laatimia standardiehdotuksia. Lisätietoja asiasta saa WTO-tietopisteestä, jota hoitaa Suomen Standardisoimisliitto SFS. Lisää tietoa WTO-tietopisteestä löytyy SFS:n nettisivuilta.

EHDOTUKSET SFS-STANDARDEIKSI

SESKO

E359 Kaapeleiden palotekninen käyttäytyminen. Rakennustuoteasetuksen paloluokkia vastaavat kansalliset palo-ominaisuustasot

YTL

SFS 4151 RT 41-10434 Ikkunan ja oven lasitus. Erillislasin kiinnitys liimaamalla

E313 - SFS 4003 EHD Puuikkunan lasitus eristyslasilla

ÖKL

SFS 5717 Kaasuputkistot. Teräksisen maakaasuputkiston sekä sähköjärjestelmien, raideliikenteen ja sähköä johtavien rakenteiden keskinäisten vaikutusten hallinta

SFS 3350 Palavien nestemäisten kemikaalien varastopaikka ja siellä olevat kemikaalien käsittelypaikat