**ISO Update**

Supplement to ISOfocus

**January 2020**

International Standards in process

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| An International Standard is the result of an agreement between the member bodies of ISO. A first important step towards an International Standard takes the form of a committee draft (CD) - this is circulated for study within an ISO technical committee. When consensus has been reached within the technical committee, the document is sent to the Central Secretariat for processing as a draft International Standard (DIS). The DIS requires approval by at least 75 % of the member bodies casting a vote. A confirmation vote is subsequently carried out on a final draft International Standard (FDIS), the approval criteria remaining the same. |

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| CD registered | | |
| Period from 01 December 2019 to 01 January 2020 | | |
| These documents are currently under consideration in the technical committee. | | |
| They have been registred at the Central Secretariat. | | |
| PC 311 |  | Vulnerable consumers |
| ISO/CD 22458 |  | Inclusive service: identifying and responding to consumers in vulnerable situations |
| TC 6 |  | Paper, board and pulps |
| ISO/CD 12625-19 |  | Tissue paper and tissue products — Part 19: Determination of surface friction |
| TC 8 |  | Ships and marine technology |
| ISO/CD 24136 |  | Ships and marine technology - Pilot ladder winch reel |
| TC 17 |  | Steel |
| ISO/CD 6306 |  | Chemical analysis of steel — Order of listing elements in steel standards |
| TC 20 |  | Aircraft and space vehicles |
| ISO/CD 21384-2 |  | Unmanned aircraft systems — Part 2: Product systems |
| TC 22 |  | Road vehicles |
| ISO/CD 13209-2 |  | Road vehicles — Open Test sequence eXchange format (OTX) — Part 2: Core data model specification and requirements |
| ISO/CD 13209-3 |  | Road vehicles — Open Test sequence eXchange format (OTX) — Part 3: Standard extensions and requirements |
| ISO/CD TR 20078-4 |  | Road vehicles — Extended vehicle (ExVe) web services — Part 4: Control |
| ISO/CD 21448 |  | Road vehicles — Safety of the intended functionality |
| ISO/CD 11010-1 |  | Passenger cars — Simulation model taxonomy — Part 1: Vehicle dynamics maneuver |
| ISO/CD 21234 |  | Road vehicles — Heavy commercial vehicles and buses — Moment of inertia measurement |
| ISO/CD 22140 |  | Road vehicles —Passenger cars — Vehicle dynamic simulation and validation — Lateral transient response test methods |
| TC 23 |  | Tractors and machinery for agriculture and forestry |
| ISO/CD 15886-2 |  | Irrigation equipment — Sprinklers — Part 2: Requirements for design (structure) and testing |
| TC 34 |  | Food products |
| ISO 10272-1:2017/CD Amd 1 |  | Microbiology of the food chain — Horizontal method for detection and enumeration of Campylobacter spp. — Part 1: Detection method — Amendment 1 |
| ISO 10272-2:2017/CD Amd 1 |  | Microbiology of the food chain — Horizontal method for detection and enumeration of Campylobacter spp. — Part 2: Colony-count technique — Amendment 1 |
| ISO/CD 24363 |  | Determination of fatty acid methyl esters and squalene by gas chromatography |
| ISO/CD 29822-2 |  | Vegetable fats and oils — Determination of relative amounts of 1,2- and 1,3-diacylglycerols — Part 2: Isolation by solid phase extraction (SPE) |
| ISO/CD TS 20224-2.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 2: Ovine DNA Detection Method |
| ISO/CD TS 20224-3.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 3: Porcine DNA detection method |
| ISO/CD TS 20224-4.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 4: Chicken DNA detection method |
| ISO/CD TS 20224-5.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 5: Goat DNA detection method |
| ISO/CD TS 20224-6.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 6: Horse DNA detection method |
| ISO/CD TS 20224-7.2 |  | Molecular biomarker analysis — Detection of animal derived materials in foodstuffs and feedstuffs by real-time PCR — Part 7: Donkey DNA detection method |
| ISO/CD TS 21569-3 |  | Horizontal methods for molecular biomarker analysis — Methods of analysis for the detection of genetically modified organisms and derived products — Part 3: Construct-specific real-time PCR method for detection of P35S-pat-sequence for screening genetically modified organisms |
| ISO/CD 22753 |  | Molecular biomarker analysis — Methods of analysis for the detection of genetically modified organisms — Semi-quantitative method for thestatistical evaluation of weight/weight GMO content in seeds and grains |
| TC 37 |  | Language and terminology |
| ISO/CD 639-4 |  | Codes for the representation of names of languages — Part 4: General principles of coding of the representation of names of languages and related entities, and application guidelines |
| TC 38 |  | Textiles |
| ISO/CD TR 23383 |  | Textiles and textile products — Smart textiles — Definitions, categorisation, applications and standardization needs |
| ISO/CD 16322-2 |  | Textiles — Determination of spirality after laundering — Part 2: Woven and knitted fabrics |
| ISO/CD 16322-3 |  | Textiles — Determination of spirality after laundering — Part 3: Woven and knitted garments |
| TC 42 |  | Photography |
| ISO/CD TS 20791-2 |  | Photography — Photographic reflection prints — Part 2: Evaluation of colour variation in printing |
| TC 43 |  | Acoustics |
| ISO/CD 354 |  | Acoustics — Measurement of sound absorption in a reverberation room |
| TC 44 |  | Welding and allied processes |
| ISO/CD 3834-5 |  | Quality requirements for fusion welding of metallic materials — Part 5: Documents with which it is necessary to conform to claim conformity to the quality requirements of ISO 3834-2, ISO 3834-3 or ISO 3834-4 |
| TC 58 |  | Gas cylinders |
| ISO/CD 11114-5 |  | Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 5: Test methods for selecting plastic liners |
| ISO/CD 22434 |  | Transportable gas cylinders — Inspection and maintenance of cylinder valves |
| TC 61 |  | Plastics |
| ISO/CD 1043-4 |  | Plastics — Symbols and abbreviated terms — Part 4: Flame retardants |
| ISO/CD 871 |  | Plastics — Determination of ignition temperature using a hot-air furnace |
| TC 68 |  | Financial services |
| ISO/CD 6166 |  | Securities and related financial instruments — International securities identification numbering system (ISIN) |
| TC 70 |  | Internal combustion engines |
| ISO/CD 4548-6 |  | Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 6: Static burst pressure test |
| TC 86 |  | Refrigeration and air-conditioning |
| ISO 18326:2018/CD Amd 1 |  | Non-ducted portable air-cooled air conditioners and air-to-air heat pumps having a single exhaust duct — Testing and rating for performance — Amendment 1 |
| TC 92 |  | Fire safety |
| ISO/CD 26367-3 |  | Guidelines for assessing the adverse environmental impact of fire effluents — Part 3: Sampling and analysis |
| TC 96 |  | Cranes |
| ISO/CD 7752-5 |  | Cranes — Control layout and characteristics — Part 5: Bridge and gantry cranes |
| ISO/CD 9374-5 |  | Cranes — Information to be provided — Part 5: Overhead travelling cranes and portal bridge cranes |
| TC 105 |  | Steel wire ropes |
| ISO/CD 23119 |  | Steel wire ropes for conveyor belts |
| TC 107 |  | Metallic and other inorganic coatings |
| ISO/CD 3613 |  | Metallic and other inorganic coatings — Chromate conversion coatings on zinc, cadmium, aluminium-zinc alloys and zinc-aluminium alloys — Test methods |
| TC 110 |  | Industrial trucks |
| ISO/CD 5057 |  | Industrial trucks — Inspection and repair of fork arms in service on fork-lift trucks |
| ISO/CD 13284 |  | Fork-lift trucks — Fork-arm extensions and telescopic fork arms — Technical characteristics and strength requirements |
| TC 122 |  | Packaging |
| ISO/CD 23417 |  | General specifications and validation methods for non-sterile medical device packages in good distribution practice principles |
| TC 123 |  | Plain bearings |
| ISO/CD TR 23579 |  | Plain Bearings — Thin-walled half bearings without flange — Continuous measurement of wall-thickness |
| TC 131 |  | Fluid power systems |
| ISO/CD 12238 |  | Pneumatic fluid power — Directional control valves — Measurement of shifting time |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |
| ISO/CD 22101-1.2 |  | Plastics piping systems for industrial applications — Glass fibre reinforced polyethylene (PE-GF) — Part 1: General |
| ISO/CD 22101-2.2 |  | Plastics piping systems for industrial applications — Glass fibre reinforced polyethylene (PE-GF) — Part 2: Pipes |
| TC 147 |  | Water quality |
| ISO/CD 8466-1 |  | Water quality — Calibration and evaluation of analytical methods — Part 1: Linear calibration function |
| ISO/CD 7704 |  | Water quality — Requirements for the performance testing of membrane filters used for direct enumeration by microbiological culture methods |
| TC 150 |  | Implants for surgery |
| ISO/CD 18193 |  | Cardiovascular implants and artificial organs — Cannulae for cardiopulmonary bypass and short-term extracorporeal circulation |
| TC 173 |  | Assistive products |
| ISO/CD 7176-25 |  | Wheelchairs — Part 25: Batteries and chargers for powered wheelchairs — Requirements and test methods |
| TC 180 |  | Solar energy |
| ISO/CD 24194 |  | Solar energy — Collector fields — Check of performance |
| TC 182 |  | Geotechnics |
| ISO/CD 24283-1 |  | Geotechnical investigation and testing — Qualification criteria and assessment — Part 1: Qualified technician |
| ISO/CD 24283-2 |  | Geotechnical investigation and testing — Qualification criteria and assessment — Part 2: Responsible expert |
| ISO/CD 24283-3 |  | Geotechnical investigation and testing — Qualification criteria and assessment — Part 3: Qualified enterprise |
| TC 184 |  | Automation systems and integration |
| ISO/CD TS 8000-81 |  | Data quality — Part 81: Data quality assessment: Profiling |
| ISO/CD TR 15926-14 |  | Industrial automation systems and integration — Integration of life-cycle data for process plants including oil and gas production facilities — Part 14: Data model adapted for OWL2 Direct Semantics |
| TC 198 |  | Sterilization of health care products |
| ISO/CD 11737-3 |  | Sterilization of health care products — Microbiological methods — Part 3: Bacterial endotoxin testing |
| ISO/CD TS 22421.2 |  | Sterilization of health care products — Common requirements for sterilizers for terminal sterilization of medical devices in health care facilities |
| ISO/CD TS 22456.2 |  | Sterilization of healthcare products — Microbiological Methods— Guidance on conducting bioburden determinations and tests of sterility for tissue-based products |
| TC 204 |  | Intelligent transport systems |
| ISO/CD 21217 |  | Intelligent transport systems — Communications access for land mobiles (CALM) — Architecture |
| TC 206 |  | Fine ceramics |
| ISO/CD 19587 |  | Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at elevated temperature in air atmospheric pressure — Determination of in-plane shear strength |
| TC 212 |  | Clinical laboratory testing and in vitro diagnostic test systems |
| ISO/CD 20184-3 |  | Molecular in vitro diagnostic examinations — Specifications for pre-examination processes for frozen tissue — Part 3: Isolated DNA |
| ISO/CD 23162 |  | Basic semen analysis — Specification and test methods |
| TC 215 |  | Health informatics |
| ISO/CD TR 11633-2 |  | Health informatics — Information security management for remote maintenance of medical devices and medical information systems — Part 2: Implementation of an information security management system (ISMS) |
| ISO/CD 13972 |  | Health informatics — Clinical Information Models — Characteristics, Structures and Requirements |
| ISO/CD TR 21332.2 |  | Health informatics — Cloud computing considerations for health information systems security and privacy |
| ISO/CD TS 22272 |  | Health Informatics - Methodology for analysis of business and information needs of health enterprises to support standards based architectures |
| ISO/CD TS 22692.2 |  | Genomics Informatics— Quality control metrics for DNA sequencing |
| TC 229 |  | Nanotechnologies |
| ISO/CD TS 22292 |  | Nanotechnologies — 3D image reconstruction of nano-objects using transmission electron microscopy |
| ISO/CD TS 23362 |  | Nanostructured porous alumina as catalyst support for vehicle exhaust emission control — Material specification |
| TC 238 |  | Solid biofuels |
| ISO/CD 17225-5 |  | Solid biofuels — Fuel specifications and classes — Part 5: Graded firewood |
| ISO/CD 17225-6 |  | Solid biofuels — Fuel specifications and classes — Part 6: Graded non-woody pellets |
| ISO/CD 17225-7 |  | Solid biofuels — Fuel specifications and classes — Part 7: Graded non-woody briquettes |
| TC 249 |  | Traditional Chinese medicine |
| ISO/CD 23723 |  | Traditional Chinese Medicine — General requirements for herbal raw material and materia medica |
| ISO/CD 23959 |  | Traditional Chinese Medicine-Glehnialittoralis root |
| ISO/CD 23962 |  | Traditional Chinese Medicine —Processed Aconitum carmichaeliilateral root |
| ISO/CD 23972 |  | Traditional Chinese Medicine —Zingiber officinale rhizome |
| TC 267 |  | Facility management |
| ISO/CD 41015 |  | Facility management — Influencing organizational behaviours for improved facility outcomes |
| TC 269 |  | Railway applications |
| ISO/CD 23054-1 |  | Railway applications — Track geometry quality — Part 1: Characterisation of track geometry and track geometry quality |
| TC 298 |  | Rare earth |
| ISO/CD TS 22451 |  | Rare earth — Elements recycling — Measurement method of rare earth elements in by-products and industrial wastes |
| JTC 1 |  | Information technology |
| ISO/IEC CD 24641 |  | Systems and Software engineering — Methods and tools for model-based systems and software engineering |
| ISO/IEC CD 24773-3.2 |  | Software and systems engineering — Certification of software and systems engineering professionals — Part 3: Systems Engineering |
| ISO/IEC CD 25010-1 |  | Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — System and software quality models — Part 1: Quality models overview and usage |
| ISO/IEC CD 25010-2 |  | Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — System and software quality models — Part 2: Product quality model |
| ISO/IEC CD 25010-3 |  | Systems and software engineering － Systems and software Quality Requirements and Evaluation (SQuaRE) — Part 3: Quality in use |
| ISO/IEC 11770-3:2015/CD Amd 2 |  | Information technology — Security techniques — Key management — Part 3: Mechanisms using asymmetric techniques — Amendment 2 |
| ISO/IEC CD 18014-2 |  | Information security, cybersecurity and privacy protection — Time-stamping services — Part 2: Mechanisms producing independent tokens |
| ISO/IEC 18033-5:2015/CD Amd 1 |  | Information technology — Security techniques — Encryption algorithms — Part 5: Identity-based ciphers — Amendment 1 |
| ISO/IEC CD TR 24485.2 |  | Information technology — Security techniques — Security properties, test and evaluation guidance for white box cryptography |
| ISO/IEC CD 24745 |  | Information technology — Security techniques — Biometric information protection |
| ISO/IEC CD 27030 |  | Information technology — Security techniques — Guidelines for security and privacy in Internet of Things (IoT)Title missing |
| ISO/IEC CD 27070 |  | Information technology — Security techniques — Security requirements for virtualized roots of trust |
| ISO/IEC CD 27555 |  | Establishing a PII deletion concept in organizations |

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| DIS circulated | | | |
| Period from 01 December 2019 to 01 January 2020 | | | |
| These documents have obtained substantial support within the appropriate ISO technical committee. | | | |
| They have been submitted to the ISO member bodies for voting by the date shown. | | | |
| \* Available in English only | | | |
|  |  |  | Vote terminates |
| TC 6 |  | Paper, board and pulps |  |
| ISO/DIS 21436 |  | Pulps — Determination of lignin content — Acid hydrolysis method | 2020-03-13 |
| ISO/DIS 21437 |  | Pulps — Determination of carbohydrate composition | 2020-03-13 |
| TC 8 |  | Ships and marine technology |  |
| ISO/DIS 16273 |  | Ships and marine technology — Night vision equipment for high-speed craft — Operational and performance requirements, methods of testing and required test results | 2020-02-28 |
|  |  | (Revision of ISO 16273:2003) |  |
| ISO/DIS 22987 |  | Ships and marine technology — Laboratory test method for skin friction of antifouling paints by rotating drum | 2020-02-28 |
| TC 17 |  | Steel |  |
| ISO/DIS 14404-4 |  | Calculation method of carbon dioxide emission intensity from iron and steel production — Part 4: Guidance for using ISO 14404 family | 2020-02-26 |
| ISO/DIS 15177 |  | Steel sheet, hot-rolled twin-roll cast, of commercial quality | 2020-03-17 |
|  |  | (Revision of ISO 15177:2012) |  |
| TC 21 |  | Equipment for fire protection and fire fighting |  |
| ISO/DIS 6182-16 |  | Fire protection — Automatic sprinkler systems — Part 16: Requirements and test methods for fire pump relief valves | 2020-02-26 |
| ISO/DIS 6182-17 |  | Fire protection — Automatic sprinkler systems — Part 17: Requirements and test methods for pressure reducing valves | 2020-03-12 |
| TC 22 |  | Road vehicles |  |
| ISO/DIS 4925 |  | Road vehicles — Specification of non-petroleum-base brake fluids for hydraulic systems | 2020-03-13 |
|  |  | (Revision of ISO 4925:2005) |  |
| ISO/DIS 4926 |  | Road vehicles — Hydraulic braking systems — Non-petroleum-base reference fluid | 2020-03-13 |
|  |  | (Revision of ISO 4926:2006) |  |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO/DIS 4254-18 |  | Agricultural machinery — Safety — Part 18: Forage loader wagons and forage transport wagons | 2020-02-27 |
| ISO/DIS 6689 |  | Equipment for harvesting — Combine harvesters and functional components | 2020-03-24 |
|  |  | (Revision of ISO 6689-1:1997) |  |
| ISO/DIS 8210 |  | Equipment for harvesting — Combine harvesters — Test procedure and performance assessment | 2020-03-24 |
|  |  | (Revision of ISO 8210:1989) |  |
| ISO/DIS 8909-1 |  | Equipment for harvesting — Forage harvesters — Part 1: Vocabulary | 2020-03-24 |
|  |  | (Revision of ISO 8909-1:1994) |  |
| ISO/DIS 8909-2 |  | Equipment for harvesting — Forage harvesters — Part 2: Specification of characteristics and performance | 2020-03-24 |
|  |  | (Revision of ISO 8909-2:1994) |  |
| ISO/DIS 8909-3 |  | Equipment for harvesting — Forage harvesters — Part 3: Test methods | 2020-03-24 |
|  |  | (Revision of ISO 8909-3:1994) |  |
| ISO/DIS 23285 |  | Agricultural machinery, tractors, and earthmoving machinery — Safety of electrical and electronic components and systems operating at 32 to 75 VDC and 21 to 50 VAC | 2020-02-28 |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO/DIS 22192 |  | Bunkering of marine fuel using the Coriolis mass flow meter (MFM) system | 2020-03-16 |
| ISO/DIS 23306 |  | Specification of liquefied natural gas as a fuel for marine applications | 2020-02-25 |
| TC 34 |  | Food products |  |
| ISO/DIS 21468 |  | Infant formula and adult nutritionals — Determination of free and total choline and free and total carnitine — Liquid chromatography tandem mass spectrometry (HPLC-MS/MS) | 2020-02-28 |
| ISO/DIS 21470 |  | Infant formula and adult nutritionals — Simultaneous determination of total vitamins B1, B2, B3 and B6 — Enzymatic digestion and LC-MS/MS | 2020-03-18 |
| ISO/DIS 23443 |  | Infant formula and adult nutritionals — Determination of lutein, β-carotene and lycopene by reversed phase ultra high performance liquid chromatography (RP-UHPLC) | 2020-02-28 |
| ISO/DIS 14501 |  | Milk and milk powder — Determination of aflatoxin M1 content — Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography | 2020-03-05 |
|  |  | (Revision of ISO 14501:2007) |  |
| ISO/DIS 22579 |  | Infant formula and adult nutritionals — Determination of fructans — High performance anion exchange chromatography with pulsed amperometric detection (HPAEC-PAD) after enzymatic treatment | 2020-03-05 |
| ISO/DIS 23942 |  | Determination of hydroxytyrosol and tyrosol content in extra virgin olive oils — HPLC method | 2020-03-10 |
| TC 35 |  | Paints and varnishes |  |
| ISO/DIS 11127-8 |  | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 8: Field determination of water-soluble chlorides | 2020-03-18 |
| TC 37 |  | Language and terminology |  |
| ISO/DIS 21998 |  | Healthcare interpreting — Requirements and recommendations | 2020-03-05 |
| TC 38 |  | Textiles |  |
| ISO/DIS 2647 |  | Wool — Determination of percentage of medullated fibres by the projection microscope | 2020-03-03 |
|  |  | (Revision of ISO 2647:1973) |  |
| TC 42 |  | Photography |  |
| ISO 12232:2019/DAmd 1 |  | Photography — Digital still cameras — Determination of exposure index, ISO speed ratings, standard output sensitivity, and recommended exposure index — Amendment 1: Annex E - Determination of encoding-relative sensitivity (ERS) | 2020-03-06 |
| ISO 19093:2018/DAmd 1 |  | Photography — Digital cameras — Measuring low-light performance — Amendment 1: Chroma decrease calculation | 2020-03-06 |
| TC 43 |  | Acoustics |  |
| ISO/DIS 17201-6 |  | Acoustics — Noise from shooting ranges — Part 6: Sound exposure at close range of the sound source | 2020-03-24 |
| ISO/DIS 717-1 |  | Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation | 2020-03-12 |
|  |  | (Revision of ISO 717-1:2013) |  |
| ISO/DIS 717-2 |  | Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation | 2020-03-23 |
|  |  | (Revision of ISO 717-2:2013) |  |
| TC 46 |  | Information and documentation |  |
| ISO/DIS 23404 |  | Information and documentation — Papers and boards used for conservation — Measurement of impact on paper cellulose | 2020-03-12 |
| TC 61 |  | Plastics |  |
| ISO/DIS 11357-8 |  | Plastics — Differential scanning calorimetry — Part 8: Determination of thermal conductivity | 2020-03-24 |
| TC 83 |  | Sports and other recreational facilities and equipment |  |
| ISO/DIS 7331 |  | Ski-poles for alpine and touring skiing — Requirements and test methods | 2020-03-03 |
|  |  | (Revision of ISO 7331:2011) |  |
| ISO/DIS 23223 |  | Alpine ski boots with improved walking soles — Interface with alpine ski-bindings – Requirements and test methods | 2020-03-24 |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |  |
| ISO/ASTM DIS 51818 |  | Practice for dosimetry in an electron beam facility for radiation processing at energies between 80 and 300 keV | 2020-03-10 |
|  |  | (Revision of ISO/ASTM 51818:2013) |  |
| ISO/DIS 23466 |  | Design criteria for the thermal insulation of reactor coolant system main equipments and piping of PWR nuclear power plants | 2020-03-11 |
| TC 86 |  | Refrigeration and air-conditioning |  |
| ISO/DIS 21773 |  | Method of test and characterization of performance for energy recovery components | 2020-02-25 |
| TC 92 |  | Fire safety |  |
| ISO/DIS 21524 |  | Fire resistance tests — Elements of building construction — Requirements for active fire curtains | 2020-02-28 |
| TC 96 |  | Cranes |  |
| ISO/DIS 4301-2 |  | Cranes — Classification — Part 2: Mobile cranes | 2020-03-11 |
|  |  | (Revision of ISO 4301-2:2009) |  |
| TC 102 |  | Iron ore and direct reduced iron |  |
| ISO/DIS 3087 |  | Iron ores — Determination of the moisture content of a lot | 2020-02-25 |
|  |  | (Revision of ISO 3087:2011) |  |
| TC 106 |  | Dentistry |  |
| ISO/DIS 23940 |  | Dentistry — Excavators | 2020-03-13 |
|  |  | (Revision of ISO 13397-4:1997) |  |
| TC 121 |  | Anaesthetic and respiratory equipment |  |
| ISO/DIS 81060-3 |  | Non-invasive sphygmomanometers — Part 3: Clinical investigation of continuous automated measurement type | 2020-03-06 |
| TC 126 |  | Tobacco and tobacco products |  |
| ISO/DIS 23906-1 |  | Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke under intense smoking conditions using GC/MS — Part 1: Method using methanol as extraction solvent | 2020-02-25 |
| TC 135 |  | Non-destructive testing |  |
| ISO/DIS 3452-1 |  | Non-destructive testing — Penetrant testing — Part 1: General principles | 2020-02-28 |
|  |  | (Revision of ISO 3452-1:2013) |  |
| ISO/DIS 3452-2 |  | Non-destructive testing — Penetrant testing — Part 2: Testing of penetrant materials | 2020-02-28 |
|  |  | (Revision of ISO 3452-2:2013) |  |
| TC 145 |  | Graphical symbols |  |
| ISO 7010:2019/DAmd 107 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 107: Safety sign M055 : Keep out of reach of children | 2020-03-23 |
| ISO 7010:2019/DAmd 108 |  | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 108: Safety sign E064 : First aid responder | 2020-03-23 |
| TC 153 |  | Valves |  |
| ISO/DIS 10434 |  | Bolted bonnet steel gate valves for the petroleum, petrochemical and allied industries | 2020-02-26 |
|  |  | (Revision of ISO 10434:2004) |  |
| ISO/DIS 15761 |  | Steel gate, globe and check valves for sizes DN 100 and smaller, for the petroleum and natural gas industries | 2020-02-25 |
|  |  | (Revision of ISO 15761:2002) |  |
| TC 155 |  | Nickel and nickel alloys |  |
| ISO/DIS 6501 |  | Ferronickel — Specification and delivery requirements | 2020-03-03 |
|  |  | (Revision of ISO 6501:1988) |  |
| TC 161 |  | Controls and protective devices for gas and/or oil |  |
| ISO/DIS 23555-2 |  | Safety and control devices for operating pressure greater than 500 kPa — Part 2: Gas pressure regulator | 2020-03-12 |
| TC 163 |  | Thermal performance and energy use in the built environment |  |
| ISO/DIS 22097 |  | Thermal insulation for buildings — Reflective insulation products — Determination of thermal performance | 2020-03-06 |
| TC 181 |  | Safety of toys |  |
| ISO 8124-7:2015/DAmd 1 |  | Safety of toys — Part 7: Requirements and test methods for finger paints — Amendment 1 | 2020-03-10 |
| TC 188 |  | Small craft |  |
| ISO/DIS 8847 |  | Small craft — Steering gear — Cable over pulley systems | 2020-02-28 |
|  |  | (Revision of ISO 8847:2004) |  |
| ISO/DIS 10592 |  | Small craft — Hydraulic steering systems | 2020-02-28 |
|  |  | (Revision of ISO 10592:1994) |  |
| TC 189 |  | Ceramic tile |  |
| ISO/DIS 13007-6 |  | Ceramic tiles — Grouts and adhesives — Part 6: Requirements, test methods, evaluation of conformity, classification and designation for waterproof membranes used with the installation of ceramic tiles | 2020-03-02 |
| ISO/DIS 17889-1 |  | Ceramic tiling systems — Sustainability for ceramic tiles and installation materials — Part 1: Specification for ceramic tiles | 2020-03-11 |
| TC 202 |  | Microbeam analysis |  |
| ISO/DIS 15632 |  | Microbeam analysis — Selected instrumental performance parameters for the specification and checking of energy-dispersive X-ray spectrometers for use in electron probe microscope or an electron probe microanalyser (EPMA) | 2020-03-05 |
|  |  | (Revision of ISO 15632:2012) |  |
| TC 204 |  | Intelligent transport systems |  |
| ISO/DIS 13143-1 |  | Electronic fee collection — Evaluation of on-board and roadside equipment for conformity to ISO 12813 — Part 1: Test suite structure and test purposes | 2020-03-02 |
|  |  | (Revision of ISO 13143-1:2016) |  |
| ISO/DIS 22738 |  | Intelligent transport systems — Localized communications — Optical camera communication | 2020-03-10 |
| TC 213 |  | Dimensional and geometrical product specifications and verification |  |
| ISO/DIS 25178-2 |  | Geometrical product specifications (GPS) — Surface texture: Areal — Part 2: Terms, definitions and surface texture parameters | 2020-03-13 |
|  |  | (Revision of ISO 25178-2:2012) |  |
| TC 218 |  | Timber |  |
| ISO/DIS 8965 |  | Logging industry — Technology — Vocabulary | 2020-03-05 |
|  |  | (Revision of ISO 8965:2013) |  |
| TC 260 |  | Human resource management |  |
| ISO/DIS 10667-1 |  | Assessment service delivery — Procedures and methods to assess people in work and organizational settings — Part 1: Requirements for the client | 2020-03-06 |
|  |  | (Revision of ISO 10667-1:2011) |  |
| ISO/DIS 10667-2 |  | Assessment service delivery — Procedures and methods to assess people in work and organizational settings — Part 2: Requirements for service providers | 2020-03-06 |
|  |  | (Revision of ISO 10667-2:2011) |  |
| TC 264 |  | Fireworks |  |
| ISO/DIS 22863-4 |  | Fireworks — Test methods for determination of specific chemical substances — Part 4: Analysis of lead and lead compounds by X-ray Fluorescence spectrometry (XRF) | 2020-03-03 |
| ISO/DIS 22863-5 |  | Fireworks — Test methods for determination of specific chemical substances — Part 5: Analysis of lead and lead compounds by Inductively Coupled Plasma spectrometry (ICP) | 2020-03-03 |
| ISO/DIS 22863-6 |  | Fireworks — Test methods for determination of specific chemical substances — Part 6: Zirconium with a particle size of less than 40 µm by Inductively Coupled Plasma Optical Emission Spectrometry(ICP-OES) | 2020-03-03 |
| ISO/DIS 22863-7 |  | Fireworks — Test methods for determination of specific chemical substances — Part 7: Chlorates content by chemical titration analysis | 2020-03-03 |
| ISO/DIS 22863-8 |  | Fireworks — Test methods for determination of specific chemical substances — Part 8: Arsenic content by hydride generation atomic fluorescence spectrometry | 2020-03-03 |
| ISO/DIS 22863-9 |  | Fireworks — Test methods for determination of specific chemical substances — Part 9: Mercury content by hydride generation atomic fluorescence spectrometry | 2020-03-03 |
| ISO/DIS 22863-10 |  | Fireworks — Test methods for determination of specific chemical substances — Part 10: Nitrogen content in nitrocellulose by Iron(II) sulfate titration | 2020-03-03 |
| TC 276 |  | Biotechnology |  |
| ISO/DIS 20397-2 |  | Biotechnology — General requirements for massively parallel sequencing — Part 2: Methods to evaluate the quality of sequencing data | 2020-03-10 |
| TC 282 |  | Water reuse |  |
| ISO/DIS 20468-7 |  | Guidelines for performance evaluation of treatment technologies for water reuse systems — Part 7: Advanced oxidation processes technology | 2020-02-26 |
| TC 298 |  | Rare earth |  |
| ISO/DIS 22450 |  | Elements recycling –Communication formats for providing recycling information on rare earth elements in industrial waste and end of life products | 2020-02-26 |
| TC 299 |  | Robotics |  |
| ISO/DIS 11593 |  | Robots for industrial environments — Automatic end effector exchange systems — Vocabulary and presentation of characteristics | 2020-03-10 |
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| TC 300 |  | Solid Recovered Fuels |  |
| ISO/DIS 21644 |  | Solid recovered fuels — Methods for the determination of biomass content | 2020-03-24 |
| ISO/DIS 21654 |  | Solid recovered fuels — Determination of calorific value | 2020-03-12 |
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| ISO/DIS 21660-3 |  | Solid recovered fuels — Determination of moisture content using the oven dry method — Part 3: Moisture in general analysis sample | 2020-03-12 |
| ISO/DIS 21663 |  | Solid recovered fuels — Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method | 2020-03-24 |
| ISO/DIS 22167 |  | Solid recovered fuels — Determination of content of volatile matter | 2020-03-12 |
| TC 306 |  | Foundry machinery |  |
| ISO/DIS 23472-1 |  | Foundry machinery — Terminology — Part 1: Fundamental terminology | 2020-03-18 |
| JTC 1 |  | Information technology |  |
| ISO/IEC DIS 19989-2 |  | Information security — Criteria and methodology for security evaluation of biometric systems — Part 2: Biometric recognition performance | 2020-03-23 |
| ISO/IEC DIS 19989-3 |  | Information security — Criteria and methodology for security evaluation of biometric systems — Part 3: Presentation attack detection | 2020-03-23 |
| ISO/IEC DIS 20547-4 |  | Information technology — Big data reference architecture — Part 4: Security and privacy | 2020-03-23 |
| ISO/IEC DIS 27035-3 |  | Information technology — Information security incident management — Part 3: Guidelines for ICT incident response operations | 2020-03-16 |
| ISO/IEC DIS 24711 |  | Information Technology — Office Equipment — Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components | 2020-03-05 |
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| ISO/IEC DIS 23090-5 |  | Information technology — Coded representation of immersive media — Part 5: Video-based Point Cloud Compression | 2020-03-17 |
| ISO/IEC DIS 19763-3 |  | Information technology — Metamodel framework for interoperability (MFI) — Part 3: Metamodel for ontology registration | 2020-03-09 |
|  |  | (Revision of ISO/IEC 19763-3:2010) |  |
| ISO/IEC DIS 19944-1 |  | Cloud computing – Cloud services and devices: data flow, data categories and data use — Part 1: Fundamentals | 2020-02-26 |
|  |  | (Revision of ISO/IEC 19944:2017) |  |

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| FDIS circulated | | | |
| Period from 01 December 2019 to 01 January 2020 | | | |
| These Final draft International Standards have been submitted to the ISO member bodies for formal approval by the date shown | | | |
| \* Available in English only | | | |
|  |  |  | Vote terminates |
| IIW |  | International Institute of Welding |  |
| ISO/FDIS 24497-1 |  | Non-destructive testing — Metal magnetic memory — Part 1: Vocabulary and general requirements | 2020-02-18 |
|  |  | (Revision of ISO 24497-1:2007, ISO 24497-2:2007) |  |
| ISO/FDIS 24497-2 |  | Non-destructive testing — Metal magnetic memory — Part 2: Inspection of welded joints | 2020-02-18 |
|  |  | (Revision of ISO 24497-3:2007) |  |
| TC 8 |  | Ships and marine technology |  |
| ISO/FDIS 24409-1 |  | Ships and marine technology — Design, location and use of shipboard safety signs, fire control plan signs, safety notices and safety markings — Part 1: Design principles | 2020-01-29 |
|  |  | (Revision of ISO 24409-1:2010) |  |
| ISO/PRF 23055 |  | Ships and marine technology — Design requirements for international ballast water transfer connection flange |  |
| ISO/PRF 22252 |  | Manned submersibles — Breathing air supply and CO2 adsorption systems — Performance requirements and recommendations |  |
| TC 17 |  | Steel |  |
| ISO/FDIS 4992-1 |  | Steel castings — Ultrasonic testing — Part 1: Steel castings for general purposes | 2020-01-28 |
|  |  | (Revision of ISO 4992-1:2006) |  |
| ISO/FDIS 4992-2 |  | Steel castings — Ultrasonic testing — Part 2: Steel castings for highly stressed components | 2020-01-29 |
|  |  | (Revision of ISO 4992-2:2006) |  |
| ISO/FDIS 19959 |  | Steels, nickel alloys and cobalt alloys investment castings - Visual testing of surface quality | 2020-01-29 |
|  |  | (Revision of ISO 19959:2005) |  |
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| ISO/FDIS 6182-6 |  | Fire protection — Automatic sprinkler systems — Part 6: Requirements and test methods for check valves | 2020-02-20 |
|  |  | (Revision of ISO 6182-6:2006) |  |
| ISO/FDIS 6182-7 |  | Fire protection — Automatic sprinkler systems — Part 7: Requirements and test methods for early suppression fast response (ESFR) sprinklers | 2020-02-24 |
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| TC 22 |  | Road vehicles |  |
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| ISO 6469-3:2018/FDAmd 1 |  | Electrically propelled road vehicles — Safety specifications — Part 3: Electrical safety — Amendment 1: Withstand voltage test for electric power sources | 2020-02-14 |
| ISO/FDIS 19363 |  | Electrically propelled road vehicles — Magnetic field wireless power transfer — Safety and interoperability requirements | 2020-02-18 |
|  |  | (Revision of ISO/PAS 19363:2017) |  |
| ISO/FDIS 21755-2 |  | Motorcycles — Measurement method for evaporative emissions — Part 2: Permeation test procedure | 2020-01-27 |
| ISO/PRF 3584 |  | Road vehicles — Clevis couplings — Interchangeability |  |
|  |  | (Revision of ISO 3584:2001) |  |
| ISO 18868:2013/Amd 1 |  | Commercial road vehicles — Coupling equipment between vehicles in multiple vehicle combinations — Strength requirements — Amendment 1: Clarification for calculation for V-value for combinations including a centre axel trailer (CAT) |  |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO/FDIS 15077 |  | Tractors and self-propelled machinery for agriculture — Operator controls — Actuating forces, displacement, location and method of operation | 2020-01-28 |
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| ISO/FDIS 16122-5 |  | Agricultural and forestry machines — Inspection of sprayers in use — Part 5: Aerial spray systems | 2020-02-04 |
| TC 27 |  | Coal and coke |  |
| ISO/FDIS 556 |  | Coke (greater than 20 mm in size) — Determination of mechanical strength | 2020-02-03 |
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| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO 13758:1996/Amd 1 |  | Liquefied petroleum gases — Assessment of the dryness of propane — Valve freeze method — Amendment 1 |  |
| ISO/FDIS 14935 |  | Petroleum and related products — Determination of wick flame persistence of fire-resistant fluids | 2020-02-12 |
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| ISO/FDIS 11050 |  | Wheat flour and durum wheat semolina — Determination of impurities of animal origin | 2020-02-24 |
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| ISO/FDIS 16624 |  | Wheat flour and durum wheat semolina — Determination of colour by diffuse reflectance colorimetry | 2020-02-14 |
| ISO 7932:2004/FDAmd 1 |  | Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C — Amendment 1: Inclusion of optional tests | 2020-02-21 |
| ISO 11133:2014/FDAmd 2 |  | Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media — Amendment 2 | 2020-02-20 |
| ISO/FDIS 3657 |  | Animal and vegetable fats and oils — Determination of saponification value | 2020-03-13 |
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| ISO 23349 |  | Animal and vegetable fats and oils — Determination of sterols and stanols in foods and dietary supplements containing added phytosterols |  |
| TC 38 |  | Textiles |  |
| ISO/FDIS 18692-3 |  | Fibre ropes for offshore stationkeeping — Part 3: High modulus polyethylene (HMPE) | 2020-02-06 |
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| ISO/FDIS 17927-2 |  | Welding for aerospace applications — Fusion welding of metallic components — Part 2: Acceptance criteria | 2020-02-21 |
| TC 45 |  | Rubber and rubber products |  |
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|  |  | (Revision of ISO 3862:2017) |  |
| ISO 3865 |  | Rubber, vulcanized or thermoplastic — Methods of test for staining in contact with organic material |  |
|  |  | (Revision of ISO 3865:2005) |  |
| ISO/PRF 125 |  | Natural rubber latex concentrate — Determination of alkalinity |  |
|  |  | (Revision of ISO 125:2011) |  |
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| ISO/PRF 23088 |  | Gas cylinders — Periodic inspection and testing of welded steel pressure drums — Capacities up to 1 000 l |  |
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| ISO/FDIS 19064-2 |  | Plastics — Styrene-acrylonitrile (SAN) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties | 2020-02-20 |
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| ISO/FDIS 19066-2 |  | Plastics — Methyl methacrylate-acrylonitrile-butadiene-styrene (MABS) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties | 2020-02-20 |
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| ISO/FDIS 12822 |  | Glass packaging — 26 H 126 crown finish — Dimensions | 2020-02-18 |
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| TC 67 |  | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |  |
| ISO 21809-3:2016/FDAmd 1 |  | Petroleum and natural gas industries — External coatings for buried or submerged pipelines used in pipeline transportation systems — Part 3: Field joint coatings — Amendment 1: Introduction of mesh-backed coating systems | 2020-02-05 |
| ISO/FDIS 20321 |  | Petroleum, petrochemical and natural gas industries — Safety of machineries — Powered elevators | 2020-02-18 |
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| ISO/PRF TS 23029 |  | Web-service-based application programming interface (WAPI) in financial services |  |
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|  |  | (Revision of ISO 2859-2:1985) |  |
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| ISO/FDIS 3046-6 |  | Reciprocating internal combustion engines — Performance — Part 6: Overspeed protection | 2020-02-04 |
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| ISO/FDIS 4548-5 |  | Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 5: Test for hydraulic pulse durability | 2020-02-04 |
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| ISO/FDIS 14484 |  | Performance guidelines for design of concrete structures using fibre-reinforced polymer (FRP) materials | 2020-02-13 |
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| TC 83 |  | Sports and other recreational facilities and equipment |  |
| ISO/FDIS 5912 |  | Camping tents — Requirements and test methods | 2020-01-28 |
|  |  | (Revision of ISO 5912:2011) |  |
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| ISO/TS 23406 |  | Nuclear sector — Requirements for bodies providing audit and certification of quality management systems for organizations supplying products and services important to nuclear safety (ITNS) |  |
| TC 92 |  | Fire safety |  |
| ISO/TS 12828-3 |  | Validation method for fire gas analysis — Part 3: Considerations related to interlaboratory trials |  |
| ISO/PRF TR 23932-2 |  | Fire safety engineering — General principles — Part 2: Example of a dry cleaning store |  |
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| ISO/FDIS 18527-1 |  | Eye and face protection for sports use — Part 1: Requirements for downhill skiing and snowboarding goggles | 2020-01-28 |
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| TC 106 |  | Dentistry |  |
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| ISO/FDIS 28399 |  | Dentistry — Products for external tooth bleaching | 2020-02-01 |
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| TC 110 |  | Industrial trucks |  |
| ISO/FDIS 22915-15 |  | Industrial trucks — Verification of stability — Part 15: Counterbalanced trucks with articulated steering | 2020-02-18 |
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| ISO/PRF 22915-17 |  | Industrial trucks — Verification of stability — Part 17: Towing tractors, burden and personnel carriers |  |
| TC 112 |  | Vacuum technology |  |
| ISO/FDIS 3529-2 |  | Vacuum technology — Vocabulary — Part 2: Vacuum pumps and related terms | 2020-01-30 |
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| ISO/TR 6750-2 |  | Earth-moving machinery — Operator's manual — Part 2: List of references |  |
| TC 130 |  | Graphic technology |  |
| ISO/FDIS 20616-2 |  | Graphic technology — File format for quality control and metadata — Part 2: Print quality exchange (PQX) | 2020-01-31 |
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|  |  | (Revision of ISO 16932:2016) |  |
| ISO/PRF 16936-1 |  | Glass in building — Forced-entry security glazing — Part 1: Test and classification by repetitive ball drop |  |
|  |  | (Revision of ISO 16936-1:2005) |  |
| TC 165 |  | Timber structures |  |
| ISO/FDIS 8970 |  | Timber structures — Testing of joints made with mechanical fasteners — Requirements for wood density | 2020-02-12 |
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|  |  | (Revision of ISO 15083:2003) |  |
| ISO/FDIS 25197 |  | Small craft — Electrical/electronic control systems for steering, shift and throttle | 2020-02-06 |
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| ISO/FDIS 21905 |  | Gas turbine exhaust systems with or without waste heat recovery | 2020-01-31 |
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| ISO 15784-2:2015/PRF Amd 1 |  | Intelligent transport systems (ITS) — Data exchange involving roadside modules communication — Part 2: Centre to field device communications using SNMP — Amendment 1: Support for SHA2 encryption |  |
| ISO/FDIS 20524-1 |  | Intelligent transport systems — Geographic Data Files (GDF) GDF5.1 — Part 1: Application independent map data shared between multiple sources | 2020-01-27 |
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| TC 205 |  | Building environment design |  |
| ISO 16484-5:2017/FDAmd 1 |  | Building automation and control systems (BACS) — Part 5: Data communication protocol — Amendment 1 | 2020-03-17 |
| ISO/FDIS 16484-6 |  | Building automation and control systems (BACS) — Part 6: Data communication conformance testing | 2020-03-03 |
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| ISO/FDIS 10360-5 |  | Geometrical product specifications (GPS) — Acceptance and reverification tests for coordinate measuring systems (CMS) — Part 5: Coordinate measuring machines (CMMs) using single and multiple stylus contacting probing systems using discrete point and/or scanning measuring mode | 2020-02-21 |
|  |  | (Revision of ISO 10360-5:2010, ISO 10360-4:2000/Cor 1:2002, ISO 10360-4:2000) |  |
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| ISO/FDIS 16610-29 |  | Geometrical product specifications (GPS) — Filtration — Part 29: Linear profile filters: wavelets | 2020-02-22 |
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| IULTCS |  | International Union of Leather Technologists and Chemists Societies |  |
| ISO/FDIS 14088 |  | Leather — Chemical tests — Quantitative analysis of tanning agents by filter method | 2020-02-25 |
|  |  | (Revision of ISO 14088:2012) |  |
| ISO/FDIS 17131 |  | Leather — Identification of leather with microscopy | 2020-02-24 |
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| ISO/IEC 21972 |  | Information technology — Upper level ontology for smart city indicators |  |
| ISO/IEC 23736-1 |  | Information technology — Digital publishing — EPUB 3.0.1 — Part 1: Overview |  |
| ISO/IEC 23736-2 |  | Information technology — Digital publishing — EPUB 3.0.1 — Part 2: Publications |  |
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| ISO/IEC 23736-6 |  | Information technology — Digital publishing — EPUB 3.0.1 — Part 6: Canonical fragment identifiers |  |
| ISO/IEC/IEEE FDIS 8802-1Q |  | Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks — Part 1Q: Bridges and bridged networks | 2020-05-04 |
|  |  | (Revision of ISO/IEC/IEEE 8802-1Q:2016, ISO/IEC/IEEE 8802-1Q:2016/Amd 6:2019, ISO/IEC/IEEE 8802-1Q:2016/Amd 1:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd 7:2019, ISO/IEC/IEEE 8802-1Q:2016/Amd 2:2018, ISO/IEC/IEEE 8802-1Q:2016/Amd 4:2017, ISO/IEC/IEEE 8802-1Q:2016/Cor 1:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd 3:2017, ISO/IEC/IEEE 8802-1Q:2016/Amd 5:2017) |  |
| ISO/IEC 21118 |  | Information technology — Office equipment — Information to be included in specification sheets for data projectors |  |
|  |  | (Revision of ISO/IEC 21118:2012) |  |
| ISO/IEC FDIS 23000-19 |  | Information technology — Multimedia application format (MPEG-A) — Part 19: Common media application format (CMAF) for segmented media | 2020-02-26 |
|  |  | (Revision of ISO/IEC 23000-19:2018, ISO/IEC 23000-19:2018/Amd 1:2018, ISO/IEC 23000-19:2018/Amd 2:2019) |  |
| ISO/IEC FDIS 23092-3 |  | Information technology — Genomic information representation — Part 3: Metadata and application programming interfaces (APIs) | 2020-02-06 |
| ISO/IEC 19823-10 |  | Information technology — Conformance test methods for security service crypto suites — Part 10: Crypto suite AES-128 |  |
|  |  | (Revision of ISO/IEC 19823-10:2017) |  |
| ISO/IEC 21471 |  | Information technology — Automatic identification and data capture techniques — Extended rectangular data matrix (DMRE) bar code symbology specification |  |
| ISO/IEC FDIS 20547-3 |  | Information technology — Big data reference architecture — Part 3: Reference architecture | 2020-02-12 |
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| Standards published | | | |
| New International Standards published between 01 December 2019 and 01 January 2020 | | | |
| 1 delayed publication of language version  2 corrected version  3 multilingual document | | | |
|  |  |  | Price group |
| TC 8 |  | Ships and marine technology |  |
| ISO 23121-1:2019 | en | Ships and marine technology — Inflatable buoyancy support systems against flooding of ships — Part 1: Gas supply system | A |
| ISO 23121-2:2019 | en | Ships and marine technology — Inflatable buoyancy support systems against flooding of ships — Part 2: Buoyancy chamber | B |
| ISO 23430:2019 | en | Ships and marine technology — Specification of high manganese austenitic steel thin strips used for LNG tanks on board ships | A |
| TC 12 |  | Quantities and units |  |
| ISO 80000-2:2019 | fr | Quantities and units — Part 2: Mathematics | F |
| ISO 80000-3:2019 | fr | Quantities and units — Part 3: Space and time | B |
| ISO 80000-4:2019 | fr | Quantities and units — Part 4: Mechanics | C |
| ISO 80000-5:2019 | fr | Quantities and units — Part 5: Thermodynamics | C |
| ISO 80000-7:2019 | fr | Quantities and units — Part 7: Light and radiation | E |
| ISO 80000-9:2019 | fr | Quantities and units — Part 9: Physical chemistry and molecular physics | C |
| ISO 80000-10:2019 | fr | Quantities and units — Part 10: Atomic and nuclear physics | F |
| ISO 80000-11:2019 | fr | Quantities and units — Part 11: Characteristic numbers | F |
| ISO 80000-12:2019 | fr | Quantities and units — Part 12: Condensed matter physics | C |
| TC 17 |  | Steel |  |
| ISO 643:2019 | en  fr | Steels — Micrographic determination of the apparent grain size | D |
| TC 20 |  | Aircraft and space vehicles |  |
| ISO 14620-2:2019 | en | Space systems — Safety requirements — Part 2: Launch site operations | C |
| ISO 16698:2019 | en | Space environment (natural and artificial) — Methods for estimation of future geomagnetic activity | D |
| TC 21 |  | Equipment for fire protection and fire fighting |  |
| ISO 6183:2009/Amd 2:2019 | en | Fire protection equipment — Carbon dioxide extinguishing systems for use on premises — Design and installation — Amendment 2 | XZ |
| TC 22 |  | Road vehicles |  |
| ISO 13400-2:2019 | en | Road vehicles — Diagnostic communication over Internet Protocol (DoIP) — Part 2: Transport protocol and network layer services | G |
| ISO 19072-2:2019 | en | Road vehicles — Connection interface for pyrotechnic devices, two-way and three-way connections — Part 2: Test methods and general performance requirements | D |
| ISO 19585:2019 | en | Heavy commercial vehicles and buses — Vehicle dynamics simulation and validation — Steady-state circular driving behavior | C |
| ISO 19586:2019 | en | Heavy commercial vehicles and buses — Vehicle dynamics simulation and validation — Lateral dynamic stability of vehicle combinations | B |
| ISO 20766-10:2019 | en | Road vehicles — Liquefied petroleum gas (LPG) fuel systems components — Part 10: Gas-tight housing | A |
| ISO 20766-12:2019 | en | Road vehicles — Liquefied petroleum gas (LPG) fuel systems components — Part 12: Non-return valve | A |
| ISO 21058:2019 | en | Road vehicles — Dimethyl Ether (DME) refuelling connector | D |
| ISO 22760-1:2019 | en | Road vehicles — Dimethyl Ether (DME) fuel system components — Part 1: General requirements and definitions | B |
| ISO 22760-2:2019 | en | Road vehicles — Dimethyl Ether (DME) fuel system components — Part 2: Performance and general test methods | B |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO 28139:2019 | en  fr | Equipment for crop protection — Knapsack combustion engine-driven airblast sprayers — Safety and environmental requirements and test methods | F |
| TC 27 |  | Coal and coke |  |
| ISO 15585:2019 | en | Hard coal — Determination of caking index | B |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO 6614:1994/Amd 1:2019 | en | Petroleum products — Determination of water separability of petroleum oils and synthetic fluids — Amendment 1 | XZ |
| ISO 9120:1997/Amd 1:2019 | en | Petroleum and related products — Determination of air-release properties of steam turbine and other oils — Impinger method — Amendment 1 | XZ |
| TC 29 |  | Small tools |  |
| ISO 21223:2019 | en  fr | Tools for pressing — Vocabulary | A |
| TC 34 |  | Food products |  |
| ISO/TS 26030:2019 | en | Social responsibility and sustainable development — Guidance on using ISO 26000:2010 in the food chain | F |
| ISO 3103:2019 | en | Tea — Preparation of liquor for use in sensory tests | B |
| TC 35 |  | Paints and varnishes |  |
| ISO 3233-1:2019 | fr | Paints and varnishes — Determination of percentage volume of non-volatile matter — Part 1: Method using a coated test panel to determine non-volatile matter and to determine dry-film density by the Archimedes' principle | C |
| TC 37 |  | Language and terminology |  |
| ISO 24617-9:2019 | en | Language resource management — Semantic annotation framework — Part 9: Reference annotation framework (RAF) | E |
| ISO 20539:2019 | en | Translation, interpreting and related technology — Vocabulary | A |
| TC 38 |  | Textiles |  |
| ISO 20705:2019 | en  fr | Textiles — Quantitative microscopical analysis — General principles of testing | C |
| ISO 20706-1:2019 | en  fr | Textiles — Qualitative and quantitative analysis of some bast fibres (flax, hemp, ramie) and their blends — Part 1: Fibre identification using microscopy methods | E |
| ISO 3175-2:2017 | en | Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene | B |
| ISO 3175-3:2017 | en | Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 3: Procedure for testing performance when cleaning and finishing using hydrocarbon solvents | B |
| ISO 3175-4:2018 | en | Textiles — Professional care, drycleaning and wetcleaning of fabrics and garments — Part 4: Procedure for testing performance when cleaning and finishing using simulated wetcleaning | B |
| TC 39 |  | Machine tools |  |
| ISO 19085-10:2018 | en  fr | Woodworking machines — Safety — Part 10: Building site saws (contractor saws) | free |
| TC 42 |  | Photography |  |
| ISO/TS 19567-2:2019 | en | Photography — Digital cameras — Part 2: Texture analysis using stochastic pattern | D |
| TC 43 |  | Acoustics |  |
| ISO/TS 12913-3:2019 | en | Acoustics — Soundscape — Part 3: Data analysis | D |
| TC 46 |  | Information and documentation |  |
| ISO 15511:2019 | en | Information and documentation — International standard identifier for libraries and related organizations (ISIL) | B |
| ISO 15836-2:2019 | en | Information and documentation — The Dublin Core metadata element set — Part 2: DCMI Properties and classes | D |
| ISO 21246:2019 | en | Information and documentation — Key indicators for museums | G |
| ISO 21110:2019 | fr | Information and documentation — Emergency preparedness and response | G |
| TC 59 |  | Buildings and civil engineering works |  |
| ISO 15392:2019 | en  fr | Sustainability in buildings and civil engineering works — General principles | D |
| TC 67 |  | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |  |
| ISO 19900:2019 | fr | Petroleum and natural gas industries — General requirements for offshore structures | G |
| TC 69 |  | Applications of statistical methods |  |
| ISO 5725-2:2019 | en | Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method | G |
| ISO/TS 16355-6:2019 | en | Applications of statistical and related methods to new technology and product development process — Part 6: Guidance for QFD-related approaches to optimization | C |
| TC 76 |  | Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use |  |
| ISO/TS 23128:2019 | en  fr | Medical devices — Transfusion set and blood bag compatibility test method | B |
| TC 84 |  | Devices for administration of medicinal products and catheters |  |
| ISO 20696:2018 | en  fr | Sterile urethral catheters for single use | E |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |  |
| ISO/ASTM 51276:2019 | en | Practice for use of a polymethylmethacrylate dosimetry system | A |
| ISO 11665-8:2019 | en | Measurement of radioactivity in the environment — Air: radon-222 — Part 8: Methodologies for initial and additional investigations in buildings | D |
| ISO 18589-4:2019 | en | Measurement of radioactivity in the environment — Soil — Part 4: Plutonium 238 and plutonium 239 + 240 — Test method using alpha spectrometry | D |
| ISO 18589-5:2019 | en | Measurement of radioactivity in the environment — Soil — Part 5: Strontium 90 — Test method using proportional counting or liquid scintillation counting | E |
| ISO 18589-6:2019 | en | Measurement of radioactivity in the environment — Soil — Part 6: Gross alpha and gross beta activities — Test method using gas-flow proportional counting | B |
| ISO 22127:2019 | en | Dosimetry with radiophotoluminescent glass dosimeters for dosimetry audit in MV X-ray radiotherapy | C |
| ISO 10276:2019 | en  fr | Nuclear energy — Fuel technology — Trunnion systems for packages used to transport radioactive material | D |
| TC 94 |  | Personal safety -- Personal protective equipment |  |
| ISO 374-2:2019 | fr | Protective gloves against dangerous chemicals and micro-organisms — Part 2: Determination of resistance to penetration | B |
| ISO 374-4:2019 | fr | Protective gloves against dangerous chemicals and micro-organisms — Part 4: Determination of resistance to degradation by chemicals | B |
| ISO 16073-4:2019 | en | Wildland firefighting personal protective equipment — Requirements and test methods — Part 4: Gloves | C |
| ISO 16073-5:2019 | en | Wildland firefighting personal protective equipment — Requirements and test methods — Part 5: Helmets | D |
| TC 108 |  | Mechanical vibration, shock and condition monitoring |  |
| ISO 7626-5:2019 | en | Mechanical vibration and shock — Experimental determination of mechanical mobility — Part 5: Measurements using impact excitation with an exciter which is not attached to the structure | E |
| ISO 16063-34:2019 | en | Methods for the calibration of vibration and shock transducers — Part 34: Testing of sensitivity at fixed temperatures | C |
| ISO 14830-1:2019 | en | Condition monitoring and diagnostics of machine systems — Tribology-based monitoring and diagnostics — Part 1: General requirements and guidelines | F |
| TC 110 |  | Industrial trucks |  |
| ISO 20297-1:2017 | fr | Industrial trucks — Lorry-mounted trucks — Part 1: Safety requirements and verification | F |
| TC 119 |  | Powder metallurgy |  |
| ISO 10070:2019 | en  fr | Metallic powders — Determination of envelope-specific surface area from measurements of the permeability to air of a powder bed under steady-state flow conditions | C |
| TC 121 |  | Anaesthetic and respiratory equipment |  |
| ISO 8836:2019 | en  fr | Suction catheters for use in the respiratory tract | D |
| TC 126 |  | Tobacco and tobacco products |  |
| ISO 22634-1:2019 | en  fr | Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS — Part 1: Method using methanol as extraction solvent | B |
| ISO 22634-2:2019 | en  fr | Cigarettes — Determination of benzo[a]pyrene in cigarette mainstream smoke using GC/MS — Part 2: Method using cyclohexane as extraction solvent | B |
| TC 130 |  | Graphic technology |  |
| ISO 12641-2:2019 | en | Graphic technology — Prepress digital data exchange — Part 2: Advanced colour targets for input scanner calibration | C |
| ISO/TS 18621-11:2019 | en | Image quality evaluation methods for printed matter — Part 11: Colour gamut analysis | C |
| TC 131 |  | Fluid power systems |  |
| ISO 10763:2019 | en | Hydraulic fluid power — Plain-end, seamless and welded precision steel tubes — Dimensions and nominal working pressures | A |
| TC 135 |  | Non-destructive testing |  |
| ISO 21432:2019 | en | Non-destructive testing — Standard test method for determining residual stresses by neutron diffraction | F |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |  |
| ISO 4065:2018 | en | Thermoplastics pipes — Universal wall thickness table | B |
| ISO/TS 16943:2019 | en | Thermoplastic pipes for the conveyance of fluids — Inspection of polyethylene electrofusion socket joints using phased array ultrasonic testing | D |
| TC 146 |  | Air quality |  |
| IEC 62990-1:2019 | en,fr | Workplace Atmospheres — Part 1: Gas detectors — Performance requirements of detectors for toxic gases | XH |
| ISO 14966:2019 | en | Ambient air — Determination of numerical concentration of inorganic fibrous particles — Scanning electron microscopy method | F |
| TC 147 |  | Water quality |  |
| ISO 9698:2019 | fr | Water quality — Tritium — Test method using liquid scintillation counting | D |
| TC 150 |  | Implants for surgery |  |
| ISO 18241:2016/Amd 1:2019 | en | Cardiovascular implants and extracorporeal systems — Cardiopulmonary bypass systems — Venous bubble traps — Amendment 1: Connectors | XZ |
| ISO 14708-7:2019 | en  fr | Implants for surgery — Active implantable medical devices — Part 7: Particular requirements for cochlear and auditory brainstem implant systems | G |
| TC 156 |  | Corrosion of metals and alloys |  |
| ISO 18086:2019 | en  fr | Corrosion of metals and alloys — Determination of AC corrosion — Protection criteria | F |
| TC 159 |  | Ergonomics |  |
| ISO/TS 9241-126:2019 | en | Ergonomics of human-system interaction — Part 126: Guidance on the presentation of auditory information | D |
| TC 172 |  | Optics and photonics |  |
| ISO 19056-2:2019 | en | Microscopes — Definition and measurement of illumination properties — Part 2: Illumination properties related to the colour in bright field microscopy | B |
| ISO 21073:2019 | en  fr | Microscopes — Confocal microscopes — Optical data of fluorescence confocal microscopes for biological imaging | C |
| ISO 8596:2017/Amd 1:2019 | en | Ophthalmic optics — Visual acuity testing — Standard and clinical optotypes and their presentation — Amendment 1 | XZ |
| ISO 15902:2019 | en  fr | Optics and photonics — Diffractive optics — Vocabulary | A |
| TC 174 |  | Jewellery and precious metals |  |
| ISO 8654:2018/Amd 1:2019 | en | Jewellery — Colours of gold alloys — Definition, range of colours and designation — Amendment 1 | XZ |
| TC 176 |  | Quality management and quality assurance |  |
| ISO 10015:2019 | en  fr | Quality management — Guidelines for competence management and people development | B |
| TC 184 |  | Automation systems and integration |  |
| ISO 8000-63:2019 | en | Data quality — Part 63: Data quality management: Process measurement | D |
| ISO 15926-10:2019 | en | Industrial automation systems and integration — Integration of life cycle data for process plants including oil and gas production facilities — Part 10: Conformance testing | F |
| ISO 15704:2019 | en | Enterprise modelling and architecture — Requirements for enterprise-referencing architectures and methodologies | G |
| ISO 16300-4:2019 | en | Automation systems and integration — Interoperability of capability units for manufacturing application solutions — Part 4: Capability unit assessment for the manufacturing application requirements | D |
| TC 188 |  | Small craft |  |
| ISO 10240:2019 | en  fr | Small craft — Owner's manual | C |
| TC 190 |  | Soil quality |  |
| ISO 21226:2019 | en | Soil quality — Guideline for the screening of soil polluted with toxic elements using soil magnetometry | E |
| ISO 21286:2019 | fr | Soil quality — Identification of ecotoxicological test species by DNA barcoding | D |
| TC 194 |  | Biological and clinical evaluation of medical devices |  |
| ISO 10993-7:2008/Amd 1:2019 | en  fr | Biological evaluation of medical devices — Part 7: Ethylene oxide sterilization residuals — Amendment 1: Applicability of allowable limits for neonates and infants | XZ |
| TC 198 |  | Sterilization of health care products |  |
| ISO 11737-2:2019 | en  fr | Sterilization of health care products — Microbiological methods — Part 2: Tests of sterility performed in the definition, validation and maintenance of a sterilization process | C |
| TC 202 |  | Microbeam analysis |  |
| ISO 21466:2019 | en | Microbeam analysis — Scanning electron microscopy — Method for evaluating critical dimensions by CD-SEM | F |
| TC 204 |  | Intelligent transport systems |  |
| ISO/TS 17187:2019 | en | Intelligent transport systems — Electronic information exchange to facilitate the movement of freight and its intermodal transfer — Governance rules to sustain electronic information exchange methods | E |
| TC 206 |  | Fine ceramics |  |
| ISO 21971:2019 | en  fr | Fine ceramics (advanced ceramics, advanced technical ceramics) — Mechanical properties of ceramic composites at ambient temperature in air atmospheric pressure — Determination of hoop tensile properties of tubes | C |
| TC 207 |  | Environmental management |  |
| ISO 14090:2019 | es | Adaptation to climate change — Principles, requirements and guidelines | E |
| TC 210 |  | Quality management and corresponding general aspects for medical devices |  |
| ISO 14971:2019 | en  fr | Medical devices — Application of risk management to medical devices | F |
| TC 211 |  | Geographic information/Geomatics |  |
| ISO 19107:2019 | en  fr | Geographic information — Spatial schema | H |
| ISO 19116:2019 | en  fr | Geographic information — Positioning services | G |
| ISO/TR 19167:2019 | en | Application of ubiquitous public access to-geographic information to an air quality information service | E |
| TC 212 |  | Clinical laboratory testing and in vitro diagnostic test systems |  |
| ISO 20776-1:2019 | en  fr | Susceptibility testing of infectious agents and evaluation of performance of antimicrobial susceptibility test devices — Part 1: Broth micro-dilution reference method for testing the in vitro activity of antimicrobial agents against rapidly growing aerobic bacteria involved in infectious diseases | D |
| TC 213 |  | Dimensional and geometrical product specifications and verification |  |
| ISO 16610-61:2015/Amd 1:2019 | en  fr | Geometrical product specification (GPS) — Filtration — Part 61: Linear areal filters — Gaussian filters — Amendment 1 | XZ |
| TC 217 |  | Cosmetics |  |
| ISO 24444:2019 | en  fr | Cosmetics — Sun protection test methods — In vivo determination of the sun protection factor (SPF) | G |
| TC 218 |  | Timber |  |
| ISO 3129:2019 | en | Wood — Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens | B |
| TC 221 |  | Geosynthetics |  |
| ISO 9863-1:2016/Amd 1:2019 | en  fr | Geosynthetics — Determination of thickness at specified pressures — Part 1: Single layers — Amendment 1 | XZ |
| ISO 12956:2019 | en | Geotextiles and geotextile-related products — Determination of the characteristic opening size | C |
| TC 226 |  | Materials for the production of primary aluminium |  |
| ISO 15379-1:2019 | en | Carbonaceous materials for the production of aluminium — Cathode block materials — Part 1: Determination of the expansion due to sodium penetration with application of pressure | A |
| TC 229 |  | Nanotechnologies |  |
| ISO/TS 10867:2019 | en | Nanotechnologies — Characterization of single-wall carbon nanotubes using near infrared photoluminescence spectroscopy | C |
| ISO 20814:2019 | en | Nanotechnologies — Testing the photocatalytic activity of nanoparticles for NADH oxidation | D |
| TC 249 |  | Traditional Chinese medicine |  |
| ISO/TR 20498-5:2019 | en | Traditional Chinese medicine — Computerized tongue image analysis system — Part 5: Method of acquisition and expression of tongue colour and tongue coating colour | C |
| ISO 22584:2019 | en | Traditional Chinese medicine — Angelica sinensis root | C |
| TC 251 |  | Asset management |  |
| ISO 55002:2018 | es | Asset management — Management systems — Guidelines for the application of ISO 55001 | G |
| ISO/TS 55010:2019 | fr | Asset management — Guidance on the alignment of financial and non-financial functions in asset management | F |
| TC 261 |  | Additive manufacturing |  |
| ISO/ASTM 52907:2019 | en  fr | Additive manufacturing — Feedstock materials — Methods to characterize metal powders | D |
| TC 268 |  | Sustainable cities and communities |  |
| ISO/TS 37107:2019 | en | Sustainable cities and communities — Maturity model for smart sustainable communities | F |
| ISO 37123:2019 | en | Sustainable cities and communities — Indicators for resilient cities | H |
| TC 279 |  | Innovation management |  |
| ISO 56002:2019 | es | Innovation management — Innovation management system — Guidance | D |
| TMBG |  | Technical Management Board - groups |  |
| IWA 33-1:2019 | en | Technical guidelines for the development of small hydropower plants — Part 1: Vocabulary | A |
| IWA 33-2:2019 | en | Technical guidelines for the development of small hydropower plants — Part 2: Site selection planning | E |
| ISO Guide 82:2019 | fr | Guidelines for addressing sustainability in standards | D |
| JTC 1 |  | Information technology |  |
| ISO/IEC 14165-246:2019 | en | Information technology — Fibre channel — Part 246: Backbone — 6 (FC-BB-6) | H |
| ISO/IEC/IEEE 16326:2019 | en | Systems and software engineering — Life cycle processes — Project management | E |
| ISO/IEC/IEEE 21840:2019 | en | Systems and software engineering — Guidelines for the utilization of ISO/IEC/IEEE 15288 in the context of system of systems (SoS) | G |
| ISO/IEC TS 33053:2019 | en | Information technology — Process assessment — Process Reference Model (PRM) for quality management | G |
| ISO/IEC 7810:2019 | en | Identification cards — Physical characteristics | B |
| ISO/IEC 10373-7:2019 | en | Cards and security devices for personal identification — Test methods — Part 7: Contactless vicinity objects | G |
| ISO/IEC TR 24772-1:2019 | en | Programming languages — Guidance to avoiding vulnerabilities in programming languages — Part 1: Language-independent guidance | H |
| ISO/IEC 14763-2:2019 | en | Information technology — Implementation and operation of customer premises cabling — Part 2: Planning and installation | H |
| ISO/IEC 14776-415:2019 | en | Information technology — Small computer system interface (SCSI) — Part 415: SCSI architecture model - 5 (SAM-5) | H |
| ISO/IEC 14776-481:2019 | en | Information technology — Small computer system interface (SCSI) — Part 481: Part 481:Security Features for SCSI Commands (SFSC) | H |
| ISO/IEC 22505:2019 | en | Information technology — Method for the determination of ink cartridge yield for monochrome inkjet printers and multi-function devices that contain inkjet printer components | D |
| ISO/IEC 10918-7:2019 | en | Information technology — Digital compression and coding of continuous-tone still images — Part 7: Reference software | C |
| ISO/IEC 14496-3:2019 | en | Information technology — Coding of audio-visual objects — Part 3: Audio | H |
| ISO/IEC 23001-15:2019 | en | Information technology — MPEG systems technologies — Part 15: Carriage of web resources in ISOBMFF | D |
| ISO/IEC 23005-7:2019 | en | Information technology — Media context and control — Part 7: Conformance and reference software | F |
| ISO/IEC 23009-1:2019 | en | Information technology — Dynamic adaptive streaming over HTTP (DASH) — Part 1: Media presentation description and segment formats | H |
| ISO/IEC 11179-7:2019 | en | Information technology — Metadata registries (MDR) — Part 7: Metamodel for data set registration | F |
| ISO/IEC 20071-11:2019 | en | Information technology — User interface component accessibility — Part 11: Guidance on text alternatives for images | F |
| ISO/IEC TS 19795-9:2019 | en | Information technology — Biometric performance testing and reporting — Part 9: Testing on mobile devices | D |
| ISO/IEC 39794-1:2019 | en | Information technology — Extensible biometric data interchange formats — Part 1: Framework | G |
| ISO/IEC 39794-4:2019 | en | Information technology — Extensible biometric data interchange formats — Part 4: Finger image data | H |
| ISO/IEC 39794-5:2019 | en | Information technology — Extensible biometric data interchange formats — Part 5: Face image data | H |
| ISO/IEC TR 23050:2019 | fr | Information technology — Data centres — Impact on data centre resource metrics of electrical energy storage and export | B |
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| Standards confirmed | |
| The following International Standards are confimred for a five year period: | |
| IIW | International Institute of Welding |
| ISO 14347:2008 | (reconfirmed) |
| TC 4 | Rolling bearings |
| ISO/TS 16281:2008 | (reconfirmed) |
| TC 8 | Ships and marine technology |
| ISO 15516:2006 | (reconfirmed) |
| ISO 17884:2004 | (reconfirmed) |
| ISO 17899:2004 | (reconfirmed) |
| TC 17 | Steel |
| ISO/TS 13899-1:2004 | (reconfirmed) |
| ISO/TS 13899-3:2005 | (reconfirmed) |
| ISO 13933:2014 |  |
| TC 20 | Aircraft and space vehicles |
| ISO 2100:1987 | (reconfirmed) |
| ISO 2574:1994 | (reconfirmed) |
| ISO 10788:2014 |  |
| ISO 14623:2003 | (reconfirmed) |
| ISO 14952-2:2003 | (reconfirmed) |
| ISO 14952-4:2003 | (reconfirmed) |
| ISO 14952-5:2003 | (reconfirmed) |
| ISO 14952-6:2003 | (reconfirmed) |
| ISO 15860:2006 | (reconfirmed) |
| ISO 21648:2008 | (reconfirmed) |
| ISO 24637:2009 | (reconfirmed) |
| TC 22 | Road vehicles |
| ISO 11565:2006 | (reconfirmed) |
| ISO 12097-3:2002 | (reconfirmed) |
| ISO 13216-2:2004 | (reconfirmed) |
| ISO/TS 29062:2009 | (reconfirmed) |
| TC 23 | Tractors and machinery for agriculture and forestry |
| ISO 5721-2:2014 |  |
| ISO 7749-1:1995 | (reconfirmed) |
| ISO 12374:1995 | (reconfirmed) |
| ISO 15873:2002 | (reconfirmed) |
| TC 28 | Petroleum and related products, fuels and lubricants from natural or synthetic sources |
| ISO 5275:2003 | (reconfirmed) |
| ISO 6299:1998 | (reconfirmed) |
| ISO 10307-1:2009 | (reconfirmed) |
| ISO 10307-2:2009 | (reconfirmed) |
| ISO 15029-1:1999 | (reconfirmed) |
| ISO 20764:2003 | (reconfirmed) |
| ISO 20783-2:2003 | (reconfirmed) |
| ISO 20847:2004 | (reconfirmed) |
| ISO 3733:1999 | (reconfirmed) |
| ISO 3735:1999 | (reconfirmed) |
| ISO 4124:1994 | (reconfirmed) |
| ISO 4257:2001 | (reconfirmed) |
| ISO 4268:2000 | (reconfirmed) |
| ISO 4269:2001 | (reconfirmed) |
| ISO 4512:2000 | (reconfirmed) |
| ISO 6296:2000 | (reconfirmed) |
| ISO 7278-3:1998 | (reconfirmed) |
| ISO 7507-2:2005 | (reconfirmed) |
| ISO 7507-3:2006 | (reconfirmed) |
| ISO 7507-4:2010 | (reconfirmed) |
| ISO 6743-3:2003 | (reconfirmed) |
| TC 29 | Small tools |
| ISO/TS 13399-70:2016 |  |
| ISO/TS 13399-71:2016 |  |
| ISO/TS 13399-72:2016 |  |
| ISO 603-17:2014 |  |
| ISO 691:2005 | (reconfirmed) |
| ISO 2936:2014 |  |
| ISO 9243:1988 | (reconfirmed) |
| TC 30 | Measurement of fluid flow in closed conduits |
| ISO 4064-1:2014 |  |
| ISO 4064-2:2014 |  |
| ISO 4064-3:2014 |  |
| ISO 4064-4:2014 |  |
| ISO 4064-5:2014 |  |
| TC 33 | Refractories |
| ISO 1146:1988 | (reconfirmed) |
| ISO 5019-4:1988 | (reconfirmed) |
| ISO 5019-6:2005 | (reconfirmed) |
| ISO 8656-1:1988 | (reconfirmed) |
| ISO 8890:1988 | (reconfirmed) |
| ISO 9205:1988 | (reconfirmed) |
| ISO 10059-2:2003 | (reconfirmed) |
| ISO 10060:1993 | (reconfirmed) |
| ISO 10081-1:2003 | (reconfirmed) |
| ISO 10081-2:2003 | (reconfirmed) |
| ISO 10081-3:2003 | (reconfirmed) |
| ISO 10081-4:2014 |  |
| TC 34 | Food products |
| ISO 659:2009 | (reconfirmed) |
| ISO 17718:2013 |  |
| ISO 11814:2002 | (reconfirmed) |
| ISO 13559:2002 | (reconfirmed) |
| ISO 7251:2005 | (reconfirmed) |
| ISO 5983-1:2005 | (reconfirmed) |
| ISO 5983-2:2009 | (reconfirmed) |
| ISO 6491:1998 | (reconfirmed) |
| ISO 13903:2005 | (reconfirmed) |
| ISO 14183:2005 | (reconfirmed) |
| ISO 14718:1998 | (reconfirmed) |
| ISO 18301:2014 |  |
| TC 35 | Paints and varnishes |
| ISO 13803:2014 |  |
| TC 38 | Textiles |
| ISO 105-F10:1989 | (reconfirmed) |
| TC 43 | Acoustics |
| ISO 16251-1:2014 |  |
| TC 44 | Welding and allied processes |
| ISO 5821:2009 | (reconfirmed) |
| ISO 5822:1988 | (reconfirmed) |
| ISO 5826:2014 |  |
| ISO 5827:1983 | (reconfirmed) |
| ISO 14327:2004 | (reconfirmed) |
| ISO/TR 3834-6:2007 | (reconfirmed) |
| TC 46 | Information and documentation |
| ISO 14416:2003 | (reconfirmed) |
| ISO/TS 18344:2016 |  |
| TC 48 | Laboratory equipment |
| ISO 1042:1998 | (reconfirmed) |
| ISO 1773:1997 | (reconfirmed) |
| ISO 4788:2005 | (reconfirmed) |
| ISO 4800:1998 | (reconfirmed) |
| ISO 6556:2012 |  |
| ISO 7884-1:1987 | (reconfirmed) |
| ISO 24450:2005 | (reconfirmed) |
| TC 54 | Essential oils |
| ISO 3218:2014 |  |
| ISO 16385:2014 |  |
| TC 58 | Gas cylinders |
| ISO 11755:2005 | (reconfirmed) |
| ISO 21007-1:2005 | (reconfirmed) |
| TC 61 | Plastics |
| ISO 4895:2014 |  |
| TC 67 | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |
| ISO/TS 27469:2010 | (reconfirmed) |
| TC 71 | Concrete, reinforced concrete and pre-stressed concrete |
| ISO 1920-8:2009 | (reconfirmed) |
| ISO 1920-9:2009 | (reconfirmed) |
| TC 72 | Textile machinery and accessories |
| ISO 12912:2014 |  |
| TC 76 | Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use |
| ISO 8536-3:2009 | (reconfirmed) |
| ISO 8871-3:2003 | (reconfirmed) |
| TC 79 | Light metals and their alloys |
| ISO 6361-2:2014 |  |
| ISO 6361-3:2014 |  |
| ISO 6361-4:2014 |  |
| TC 85 | Nuclear energy, nuclear technologies, and radiological protection |
| ISO/ASTM 51900:2009 | (reconfirmed) |
| ISO 6962:2004 | (reconfirmed) |
| ISO 16966:2013 |  |
| TC 92 | Fire safety |
| ISO 14934-4:2014 |  |
| ISO 834-11:2014 |  |
| TC 94 | Personal safety -- Personal protective equipment |
| ISO 3873:1977 | (reconfirmed) |
| TC 96 | Cranes |
| ISO 7363:1986 | (reconfirmed) |
| TC 105 | Steel wire ropes |
| ISO 21669:2005 | (reconfirmed) |
| TC 106 | Dentistry |
| ISO 14233:2003 | (reconfirmed) |
| ISO 14356:2003 | (reconfirmed) |
| ISO 10451:2010 | (reconfirmed) |
| TC 122 | Packaging |
| ISO 16103:2005 | (reconfirmed) |
| TC 126 | Tobacco and tobacco products |
| ISO 18144:2003 | (reconfirmed) |
| ISO 18145:2003 | (reconfirmed) |
| ISO 21147:2003 | (reconfirmed) |
| TC 130 | Graphic technology |
| ISO 12647-4:2014 |  |
| TC 131 | Fluid power systems |
| ISO 16908:2014 |  |
| TC 137 | Footwear sizing designations and marking systems |
| ISO/TS 19407:2015 |  |
| TC 146 | Air quality |
| ISO 11222:2002 | (reconfirmed) |
| ISO 14956:2002 | (reconfirmed) |
| ISO 16622:2002 | (reconfirmed) |
| ISO 16000-14:2009 | (reconfirmed) |
| ISO 16000-30:2014 |  |
| ISO 16000-32:2014 |  |
| TC 147 | Water quality |
| ISO 15839:2003 | (reconfirmed) |
| ISO 17381:2003 | (reconfirmed) |
| ISO 6468:1996 | (reconfirmed) |
| ISO 8467:1993 | (reconfirmed) |
| ISO 9174:1998 | (reconfirmed) |
| ISO 9964-1:1993 | (reconfirmed) |
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| ISO 9964-3:1993 | (reconfirmed) |
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| ISO 15586:2003 | (reconfirmed) |
| ISO 15680:2003 | (reconfirmed) |
| ISO 15681-1:2003 | (reconfirmed) |
| ISO 16265:2009 | (reconfirmed) |
| ISO 16308:2014 |  |
| ISO 20179:2005 | (reconfirmed) |
| ISO 22478:2006 | (reconfirmed) |
| ISO 23631:2006 | (reconfirmed) |
| ISO 25101:2009 | (reconfirmed) |
| ISO 9308-1:2014 |  |
| ISO 10705-3:2003 | (reconfirmed) |
| ISO 14442:2006 | (reconfirmed) |
| ISO 20079:2005 | (reconfirmed) |
| ISO/TS 20281:2006 | (reconfirmed) |
| TC 150 | Implants for surgery |
| ISO 5832-4:2014 |  |
| ISO 5832-11:2014 |  |
| ISO 5841-2:2014 |  |
| TC 156 | Corrosion of metals and alloys |
| ISO 10062:2006 | (reconfirmed) |
| ISO 11306:1998 | (reconfirmed) |
| ISO 11474:1998 | (reconfirmed) |
| ISO 11782-1:1998 | (reconfirmed) |
| ISO 11782-2:1998 | (reconfirmed) |
| ISO 16784-1:2006 | (reconfirmed) |
| ISO 16784-2:2006 | (reconfirmed) |
| ISO 17475:2005 | (reconfirmed) |
| TC 158 | Analysis of gases |
| ISO 6145-2:2014 |  |
| ISO 6145-5:2009 | (reconfirmed) |
| ISO 6145-9:2009 | (reconfirmed) |
| ISO/TS 29041:2008 | (reconfirmed) |
| TC 159 | Ergonomics |
| ISO 11064-7:2006 | (reconfirmed) |
| TC 160 | Glass in building |
| ISO 28278-2:2010 |  |
| TC 162 | Doors, windows and curtain walling |
| ISO 8274:2005 | (reconfirmed) |
| ISO 9379:2005 | (reconfirmed) |
| ISO 9381:2005 | (reconfirmed) |
| TC 163 | Thermal performance and energy use in the built environment |
| ISO 9869-1:2014 |  |
| ISO 12567-2:2005 | (reconfirmed) |
| TC 165 | Timber structures |
| ISO 10983:2014 |  |
| ISO 12122-1:2014 |  |
| ISO 12122-2:2014 |  |
| ISO 16670:2003 | (reconfirmed) |
| ISO 17754:2014 |  |
| TC 173 | Assistive products |
| ISO 7176-22:2014 |  |
| TC 181 | Safety of toys |
| ISO 8124-2:2014 |  |
| TC 184 | Automation systems and integration |
| ISO/TS 8000-1:2011 | (reconfirmed) |
| ISO/TS 8000-150:2011 | (reconfirmed) |
| ISO/TS 8000-311:2012 | (reconfirmed) |
| ISO 10303-11:2004 | (reconfirmed) |
| ISO 10303-22:1998 | (reconfirmed) |
| ISO/TS 10303-25:2005 | (reconfirmed) |
| ISO/TS 10303-26:2011 | (reconfirmed) |
| ISO 10303-32:1998 | (reconfirmed) |
| ISO 10303-49:1998 | (reconfirmed) |
| ISO 10303-50:2002 | (reconfirmed) |
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| ISO 10303-108:2005 | (reconfirmed) |
| ISO 10303-109:2004 | (reconfirmed) |
| ISO 10303-215:2004 | (reconfirmed) |
| ISO 10303-218:2004 | (reconfirmed) |
| ISO 10303-232:2002 | (reconfirmed) |
| ISO/TS 10303-325:2004 | (reconfirmed) |
| ISO/TS 10303-421:2005 | (reconfirmed) |
| ISO/TS 10303-433:2011 | (reconfirmed) |
| ISO/TS 10303-439:2011 | (reconfirmed) |
| ISO/TS 10303-1013:2011 | (reconfirmed) |
| ISO/TS 10303-1020:2006 | (reconfirmed) |
| ISO/TS 10303-1021:2011 | (reconfirmed) |
| ISO/TS 10303-1038:2006 | (reconfirmed) |
| ISO/TS 10303-1040:2008 | (reconfirmed) |
| ISO/TS 10303-1046:2006 | (reconfirmed) |
| ISO/TS 10303-1062:2011 | (reconfirmed) |
| ISO/TS 10303-1133:2011 | (reconfirmed) |
| ISO/TS 10303-1164:2011 | (reconfirmed) |
| ISO/TS 10303-1233:2011 | (reconfirmed) |
| ISO/TS 10303-1255:2011 | (reconfirmed) |
| ISO/TS 10303-1258:2011 | (reconfirmed) |
| ISO/TS 10303-1260:2011 | (reconfirmed) |
| ISO/TS 10303-1261:2011 | (reconfirmed) |
| ISO/TS 10303-1267:2011 | (reconfirmed) |
| ISO/TS 10303-1271:2011 | (reconfirmed) |
| ISO/TS 10303-1278:2011 | (reconfirmed) |
| ISO/TS 10303-1281:2011 | (reconfirmed) |
| ISO/TS 10303-1283:2011 | (reconfirmed) |
| ISO/TS 10303-1287:2011 | (reconfirmed) |
| ISO/TS 10303-1292:2011 | (reconfirmed) |
| ISO/TS 10303-1293:2011 | (reconfirmed) |
| ISO/TS 10303-1295:2011 | (reconfirmed) |
| ISO/TS 10303-1297:2011 | (reconfirmed) |
| ISO/TS 10303-1304:2011 | (reconfirmed) |
| ISO/TS 10303-1306:2011 | (reconfirmed) |
| ISO/TS 10303-1307:2011 | (reconfirmed) |
| ISO/TS 10303-1371:2011 | (reconfirmed) |
| ISO/TS 10303-1400:2011 | (reconfirmed) |
| ISO/TS 10303-1401:2011 | (reconfirmed) |
| ISO/TS 10303-1433:2011 | (reconfirmed) |
| ISO/TS 10303-1434:2011 | (reconfirmed) |
| ISO/TS 10303-1435:2011 | (reconfirmed) |
| ISO/TS 10303-1436:2011 | (reconfirmed) |
| ISO/TS 10303-1437:2011 | (reconfirmed) |
| ISO/TS 10303-1438:2011 | (reconfirmed) |
| ISO/TS 10303-1448:2011 | (reconfirmed) |
| ISO/TS 10303-1450:2011 | (reconfirmed) |
| ISO/TS 10303-1466:2011 | (reconfirmed) |
| ISO/TS 10303-1467:2011 | (reconfirmed) |
| ISO/TS 10303-1477:2011 | (reconfirmed) |
| ISO/TS 10303-1486:2011 | (reconfirmed) |
| ISO/TS 10303-1489:2011 | (reconfirmed) |
| ISO/TS 10303-1786:2011 | (reconfirmed) |
| ISO/TS 10303-1801:2011 | (reconfirmed) |
| ISO 13584-25:2004 | (reconfirmed) |
| ISO 13584-101:2003 | (reconfirmed) |
| ISO 15531-31:2004 | (reconfirmed) |
| ISO 15926-1:2004 | (reconfirmed) |
| ISO/TS 15926-3:2009 | (reconfirmed) |
| ISO/TS 15926-7:2011 | (reconfirmed) |
| ISO/TS 15926-8:2011 | (reconfirmed) |
| ISO/PAS 17506:2012 | (reconfirmed) |
| ISO 18629-1:2004 | (reconfirmed) |
| ISO/TS 22745-30:2009 | (reconfirmed) |
| TC 193 | Natural gas |
| ISO 6974-4:2000 | (reconfirmed) |
| ISO 6974-5:2014 |  |
| ISO 6974-6:2002 | (reconfirmed) |
| ISO 6978-1:2003 | (reconfirmed) |
| ISO 6978-2:2003 | (reconfirmed) |
| ISO 16960:2014 |  |
| TC 195 | Building construction machinery and equipment |
| ISO 21467:2004 | (reconfirmed) |
| TC 198 | Sterilization of health care products |
| ISO 13408-4:2005 | (reconfirmed) |
| TC 204 | Intelligent transport systems |
| ISO 21217:2014 | (reconfirmed) |
| TC 206 | Fine ceramics |
| ISO 17942:2014 |  |
| ISO 18452:2005 | (reconfirmed) |
| ISO 18756:2003 | (reconfirmed) |
| ISO 20502:2005 | (reconfirmed) |
| ISO 26423:2009 | (reconfirmed) |
| TC 211 | Geographic information/Geomatics |
| ISO/TS 19115-3:2016 |  |
| TC 213 | Dimensional and geometrical product specifications and verification |
| ISO 2538-1:2014 |  |
| ISO 2538-2:2014 |  |
| ISO/TS 17865:2016 |  |
| TC 292 | Security and resilience |
| ISO 22397:2014 |  |
| JTC 1 | Information technology |
| ISO/IEC 8484:2014 |  |
| ISO/IEC 25434:2008 | (reconfirmed) |
| ISO/IEC 13522-6:1998 | (reconfirmed) |
| ISO/IEC 19773:2011 |  |

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| Standards withdrawn | |
| Period from 01 December 2019 to 01 January 2020 | |
| TC 23 | Tractors and machinery for agriculture and forestry |
| ISO 10988:2011 | (replaced by ISO 28139:2019) |
| TC 46 | Information and documentation |
| ISO 15836:2009 | (replaced by ISO 15836-2:2019, ISO 15836-1:2017) |
| TC 108 | Mechanical vibration, shock and condition monitoring |
| ISO 5347-17:1993 | (replaced by ISO 16063-34:2019) |
| TC 130 | Graphic technology |
| ISO 12641:1997 | (replaced by ISO 12641-2:2019, ISO 12641-1:2016) |
| TC 135 | Non-destructive testing |
| ISO/TS 21432:2005 | (replaced by ISO 21432:2019) |
| JTC 1 | Information technology |
| ISO/IEC TR 24772:2013 | (replaced by ISO/IEC TR 24772-1:2019) |
| ISO/IEC TS 20071-11:2012 | (replaced by ISO/IEC 20071-11:2019) |

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| Meeting calendar | |
| The meeting calendar is available at | |
| https://www.iso.org/meeting-calendar.html | |
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