**ISO Update**

Supplement to *ISOfocus*

**December 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 November to 01 December 2020 | | |
| These documents are currently under consideration in the technical committee. | | |
| They have been registred at the Central Secretariat. | | |
| TC 6 |  | Paper, board and pulps |
| ISO/CD 24196 |  | Lignins — Determination of lignin content in kraft and biorefinery lignin |
| ISO/CD 24215 |  | Lignins — Determination of carbohydrate composition in kraft and biorefinery lignin |
| TC 8 |  | Ships and marine technology |
| ISO/CD 23446 |  | Product water of seawater reverse osmosis desalination |
| TC 10 |  | Technical product documentation |
| ISO/CD 24351 |  | General requirements of three-dimensional modeling for mechanical products |
| TC 17 |  | Steel |
| ISO/CD 23717 |  | Steel wire and wire products — Hose reinforcement wire |
| TC 20 |  | Aircraft and space vehicles |
| ISO/CD 5224 |  | Rotorcrafts — Terns. Flight dynamics Definitions and Symbols |
| ISO/CD 22639 |  | Space systems – Design guidelines for multi-GEO spacecraft collocation |
| ISO/CD 23835 |  | Space Systems — Mechanism design and verification |
| ISO/CD 4358 |  | Test methods for civil multi-rotor unmanned aircraft system |
| ISO/CD 5015-2 |  | Unmanned aircraft systems — Part 2: Operation of vertiports for unmanned aircraft (UA) |
| ISO/CD 23629-5 |  | UAS traffic management (UTM) — Part 5: UTM functional structure |
| ISO/CD 23629-12 |  | UAS traffic management (UTM) — Part 12: Requirements for UTM services and service providers |
| ISO/CD 24352 |  | Technical requirements for light and small unmanned aircraft electric energy system |
| ISO/CD 24355 |  | General requirements of flight control system for civil small and light multirotor UAS |
| TC 21 |  | Equipment for fire protection and fire fighting |
| ISO/CD 14520-1 |  | Gaseous fire-extinguishing systems — Physical properties and system design — Part 1: General requirements |
| TC 24 |  | Particle characterization including sieving |
| ISO/CD 13317-1 |  | Determination of particle size distribution by gravitational liquid sedimentation methods — Part 1: General principles and guidelines |
| ISO/CD 20998-2 |  | Measurement and characterization of particles by acoustic methods — Part 2: Guidelines for linear theory |
| ISO/DTS 22107 |  | Dispersibility of solid particles into a liquid |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |
| ISO/CD 7278-2 |  | Liquid hydrocarbons — Dynamic measurement — Proving systems for volumetric meters — Part 2: Pipe provers |
| ISO/CD 7507-2 |  | Petroleum and liquid petroleum products — Calibration of vertical cylindrical tanks — Part 2: Optical-reference-line method |
| TC 31 |  | Tyres, rims and valves |
| ISO/CD 5383 |  | Agricultural tyres for lawn and garden tractors — 3-part code designated tyres |
| TC 34 |  | Food products |
| ISO/CD 23637 |  | Cereals — Determination of cadmium content by graphite furnace atomic absorption spectrometry with diluted nitric acid extraction |
| ISO 21872-1:2017/CD Amd 1 |  | Microbiology of the food chain — Horizontal method for the determination of Vibrio spp. — Part 1: Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus — Amendment 1: Performance testing for the media ASPW, TCBS and SNA |
| ISO/CD 22003-2 |  | Food safety management systems — Requirements for bodies providing audit and certification of food safety management systems — Part 2: Requirements for bodies providing audits of food safety management system elements in conjunction with safe food product/process certification |
| TC 35 |  | Paints and varnishes |
| ISO/CD 11127-6 |  | Preparation of steel substrates before application of paints and related products — Test methods for non-metallic blast-cleaning abrasives — Part 6: Determination of water-soluble contaminants by conductivity measurement |
| TC 43 |  | Acoustics |
| ISO/CD 7574.2 |  | Acoustics — Statistical methods for determining and verifying stated noise emission values of machinery and equipment |
| TC 45 |  | Rubber and rubber products |
| ISO/CD 8066-4 |  | Rubber and plastics hoses and hose assemblies for automotive air conditioning — Specification — Part 4: Low vibration transmission type for Refrigerant 1234yf |
| ISO/CD 1817 |  | Rubber, vulcanized or thermoplastic — Determination of the effect of liquids |
| ISO/CD 24329.2 |  | Low-protein natural rubber concentrate — Specification |
| TC 59 |  | Buildings and civil engineering works |
| ISO/DIS 21265 |  | Building and civil engineering sealants — Assessment of the fungal growth on sealant surfaces |
| ISO/CD 12006-3 |  | Building construction — Organization of information about construction works — Part 3: Framework for object-oriented information |
| TC 61 |  | Plastics |
| ISO/CD 11359-2 |  | Plastics — Thermomechanical analysis (TMA) — Part 2: Determination of coefficient of linear thermal expansion and glass transition temperature |
| ISO/CD 24187.2 |  | Principles for the development of standards for investigation procedures of plastics in environmental matrices and related materials |
| TC 69 |  | Applications of statistical methods |
| ISO/CD 10576-1 |  | Statistical methods — Guidelines for the evaluation of conformity with specified requirements — Part 1: |
| ISO/DTR 11843-8 |  | Capability of detection — Part 8: Guidance for the implementation of ISO 11843 series |
| ISO/CD 24185 |  | The evaluation of the uncertainty of measurements from an autocorrelated process |
| ISO/DTR 27877 |  | Precision of binary data |
| TC 79 |  | Light metals and their alloys |
| ISO/CD 4155 |  | Magnesium and magnesium alloys — Determination of nickel — Inductively coupled plasma atomic emission spectrometry |
| ISO/CD 4181 |  | Magnesium and magnesium alloys — Determination of Strontium — Inductively coupled plasma atomic emission spectrometry |
| ISO/CD 4188 |  | Magnesium and magnesium alloys — Determination of Arsenic — Inductively coupled plasma atomic emission spectrometry |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |
| ISO/CD 16659-1 |  | Ventilation systems for nuclear installations — In-situ efficiency test methods for iodine traps with solid sorbent — Part 1: General requirements |
| TC 92 |  | Fire safety |
| ISO 834-1:1999/CD Amd 2 |  | Fire-resistance tests — Elements of building construction — Part 1: General requirements — Amendment 2 |
| TC 106 |  | Dentistry |
| ISO/CD 3630-2 |  | Dentistry — Endodontic instruments — Part 2: Enlargers |
| ISO/CD 10451 |  | Dentistry — Contents of technical file for dental implant systems |
| TC 108 |  | Mechanical vibration, shock and condition monitoring |
| ISO/CD 20816-3.2 |  | Mechanical vibration — Measurement and evaluation of machine vibration — Part 3: Coupled industrial machines |
| ISO/CD 22266-1.2 |  | Mechanical vibration — Torsional vibration of rotating machinery — Part 1: Evaluation of steam and gas turbine generator sets due to electrical excitation |
| ISO/DTS 22704.2 |  | Mechanical vibration — Uncertainty of the measurement and evaluation of human exposure to vibration |
| TC 113 |  | Hydrometry |
| ISO/CD 4373 |  | Hydrometry — Water level measuring devices |
| TC 121 |  | Anaesthetic and respiratory equipment |
| ISO/CD 10651-4 |  | Lung ventilators — Part 4: Particular requirements for user-powered resuscitators |
| TC 122 |  | Packaging |
| ISO/CD 16495 |  | Packaging — Transport packaging for dangerous goods — Test methods |
| TC 126 |  | Tobacco and tobacco products |
| ISO/CD 24197 |  | Vapour products — Analytical method to measure mass of e-liquids vaporized |
| ISO/CD 24199 |  | Vapour products — Determination of nicotine in vapour product emissions - Gas chromatographic method |
| TC 130 |  | Graphic technology |
| ISO/CD 22067-1.2 |  | Graphic technology - Environmental statement criteria and parameters for printed products — Part 1: Printing of packaging |
| TC 131 |  | Fluid power systems |
| ISO/CD 4405 |  | Hydraulic fluid power — Fluid contamination — Determination of particulate contamination by the gravimetric method |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |
| ISO/CD 11296-9 |  | Plastics piping systems for the renovation of underground non-pressure drainage and sewerage networks — Part 9: Lining with a rigidly anchored plastics inner layer |
| ISO/DTS 23818-2 |  | ISO/TS 23818-2 Assessment of conformity of plastics piping systems for the rehabilitation of existing pipelines — Part 2: Resin-fibre composite (RFC) material |
| TC 146 |  | Air quality |
| ISO/CD 13137 |  | Workplace atmospheres — Pumps for personal sampling of chemical and biological agents — Requirements and test methods |
| TC 147 |  | Water quality |
| ISO/CD 4979 |  | Water quality — Aquatic toxicity test based on root re-growth in Lemna minor |
| TC 150 |  | Implants for surgery |
| ISO/DTS 17137 |  | Cardiovascular implants and extracorporeal systems — Cardiovascular absorbable implants |
| TC 156 |  | Corrosion of metals and alloys |
| ISO/CD 4680 |  | Corrosion of metals and alloys — Method of uniaxial constant load test for evaluating time to failure of metals and alloys due to stress corrosion cracking in high-purity water at high temperatures |
| TC 160 |  | Glass in building |
| ISO/DTS 21480 |  | Glass in building — General technical requirements of building integrated photovoltaic modules recycling |
| TC 164 |  | Mechanical testing of metals |
| ISO/CD 3785 |  | Metallic materials — Designation of test specimen axes in relation to product texture |
| ISO/CD 14556 |  | Metallic materials — Charpy V-notch pendulum impact test — Instrumented test method |
| TC 172 |  | Optics and photonics |
| ISO/CD 9211-4 |  | Optics and photonics — Optical coatings — Part 4: Specific test methods |
| TC 173 |  | Assistive products |
| ISO/CD 7176-32 |  | Weelchair — Part 32: Standard Practice for Wheelchair Castor Durability Testing |
| ISO/CD 16840-3 |  | Wheelchair seating — Part 3: Determination of static, impact and repetitive load strengths for postural support devices |
| TC 176 |  | Quality management and quality assurance |
| ISO/CD 10008 |  | Quality management — Customer satisfaction — Guidance for business-to-consumer electronic commerce transactions |
| ISO/CD 10010 |  | Quality management — Guidance to evaluate and improve quality culture to drive sustained success |
| TC 184 |  | Automation systems and integration |
| ISO/CD 17506 |  | Industrial automation systems and integration — COLLADA digital asset schema specification for 3D visualization of industrial data |
| TC 190 |  | Soil quality |
| ISO/CD 23611-4 |  | Soil quality — Sampling of soil invertebrates — Part 4: Sampling, extraction and identification of soil-inhabiting nematodes |
| TC 198 |  | Sterilization of health care products |
| ISO/CD 22441.2 |  | Sterilization of health care products — Low temperature vaporized hydrogen peroxide — Requirements for the development, validation and routine control of a sterilization process for medical devices |
| TC 204 |  | Intelligent transport systems |
| ISO/CD TS 21719-3 |  | Electronic fee collection — Personalization of on-board equipment — Part 3: Using integrated circuit(s) cards |
| TC 207 |  | Environmental management |
| ISO/CD TR 14069 |  | Greenhouse gases — Quantification and reporting of greenhouse gas emissions for organizations — Guidance for the application of ISO 14064-1 |
| TC 218 |  | Timber |
| ISO/CD 13061-8 |  | Physical and mechanical properties of wood — Test methods for small clear specimen — Part 8: Determination of ultimate strength in shearing parallel to grain |
| TC 229 |  | Nanotechnologies |
| ISO/DTS 23690 |  | Nanotechnologies — Multiwall carbon nanotubes — Determination of amorphous carbon content by thermogravimetric analysis |
| TC 261 |  | Additive manufacturing |
| ISO/ASTM CD 52920 |  | Additive manufacturing — Qualification principles — Quality requirements for industrial additive manufacturing sites |
| TC 268 |  | Sustainable cities and communities |
| ISO/CD 37108 |  | Sustainable cities and communities — Business districts — Guidance for practical local implementation of ISO 37101 |
| TC 269 |  | Railway applications |
| ISO/CD 24675 |  | Railway Applications — Running time calculation for timetabling — Requirements |
| TC 282 |  | Water reuse |
| ISO/CD 24297 |  | Guidance for the treatment and reuse of leachate from municipal solid waste incineration |
| TC 307 |  | Blockchain and distributed ledger technologies |
| ISO/DTR 23249 |  | Blockchain and distributed ledger technologies – Overview of existing DLT systems for identity management |
| JTC 1 |  | Information technology |
| ISO/IEC CD 26563 |  | Software and systems engineering — Methods and tools for product line configuration management |
| ISO/IEC CD 26564 |  | Software and systems engineering — Methods and tools for product line measurement |
| ISO/IEC CD 27032 |  | Information Technology — Cybersecurity — Guidelines for Internet Security |
| ISO/IEC CD 27402 |  | Cybersecurity — IoT security and privacy — Device baseline requirements |
| ISO/IEC 13818-1:2019/CD Amd 4 |  | Information technology — Generic coding of moving pictures and associated audio information — Part 1: Systems — Amendment 4: Carriage of LCEVC in MPEG-2 TS and other improvements |
| ISO/IEC 23008-12:2017/CD Amd 2 |  | Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 12: Image File Format — Amendment 2: Support for VVC, EVC, slideshows and other improvements |
| ISO/IEC CD 23090-15 |  | Information technology — Coded representation of immersive media — Part 15: Conformance testing for versatile video coding |
| ISO/IEC CD 23090-16 |  | Information technology — Coded representation of immersive media — Part 16: Reference software for versatile video coding |
| ISO/IEC CD 23090-19 |  | Information technology — Coded representation of immersive media — Part 19: Reference Software for V-PCC |
| ISO/IEC CD 9075-1 |  | Information technology — Database languages — SQL — Part 1: Framework (SQL/Framework) |
| ISO/IEC CD 9075-2 |  | Information technology — Database languages — SQL — Part 2: Foundation (SQL/Foundation) |
| ISO/IEC CD 9075-4 |  | Information technology — Database languages — SQL — Part 4: Persistent stored modules (SQL/PSM) |
| ISO/IEC CD 9075-11 |  | Information technology — Database languages — SQL — Part 11: Information and definition schemas (SQL/Schemata) |
| ISO/IEC CD 9075-14 |  | Information technology — Database languages — SQL — Part 14: XML-Related Specifications (SQL/XML) |
| ISO/IEC CD 9075-16 |  | Information technology — Database languages SQL — Part 16: SQL Property Graph Queries (SQL/PGQ) |
| ISO/IEC CD 24668 |  | Information technology — Artificial intelligence —Process management framework for Big data analytics |

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| DIS circulated | | | |
| Period from 01 November to 01 December 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 4 |  | Rolling bearings |  |
| ISO/DIS 20515 |  | Rolling bearings — Radial bearings, retaining slots — Dimensions, geometrical product specifications (GPS) and tolerance values | 2021-01-25 |
|  |  | (Revision of ISO 20515:2012) |  |
| TC 8 |  | Ships and marine technology |  |
| ISO/DIS 20519 |  | Ships and marine technology — Specification for bunkering of liquefied natural gas fuelled vessels | 2021-01-26 |
|  |  | (Revision of ISO 20519:2017) |  |
| ISO/DIS 4568 |  | Ships and marine technology — Sea-going vessels — Windlasses and anchor capstans | 2021-02-19 |
|  |  | (Revision of ISO 4568:2006) |  |
| ISO/DIS 23575 |  | Ships and marine technology — Marine securing devices for ro-ro cargoes | 2021-02-19 |
| TC 20 |  | Aircraft and space vehicles |  |
| ISO/DIS 24121 |  | Space data and information transfer systems — Spectral preprocessing transform for multispectral and hyperspectral image compression | 2021-02-09 |
| ISO/DIS 24122 |  | Space data and information transfer systems — Spacecraft onboard interface services — RFID tag encoding specification | 2021-02-09 |
| ISO/DIS 24123 |  | Space data and information transfer systems — Mission operations monitor & control services | 2021-02-09 |
| ISO/DIS 24124 |  | Space data and information transfer systems — Voice and audio communications | 2021-02-09 |
| ISO/DIS 24125 |  | Space data and information transfer systems — Mission operations — Message abstraction layer binding to TCP/IP transport and split binary encoding | 2021-02-09 |
| ISO/DIS 24126 |  | Space data and information transfer systems — Delta-DOR quasar catalog update procedure | 2021-02-09 |
| ISO/DIS 24127 |  | Space data and information transfer systems — Pointing request message | 2021-02-09 |
| ISO/DIS 24128 |  | Space data and information transfer systems — Cross support service management — Simple schedule format specification | 2021-02-09 |
| ISO/DIS 24129 |  | Space data and information transfer systems — Network layer security adaptation profile | 2021-02-09 |
| ISO/DIS 24130 |  | Space data and information transfer systems — Mission operations — Message abstraction layer binding to HTTP transport and XML encoding | 2021-02-09 |
| ISO/DIS 14620-3 |  | Space systems — Safety requirements — Part 3: Flight safety systems | 2021-01-25 |
|  |  | (Revision of ISO 14620-3:2005) |  |
| ISO/DIS 23020 |  | Space Systems — Determination of test methods to characterize material or component properties required for break-up models used for Earth re-entry | 2021-02-19 |
| ISO/DIS 23629-7 |  | UAS traffic management (UTM) — Part 7: Data model for spatial data | 2021-02-16 |
| TC 21 |  | Equipment for fire protection and fire fighting |  |
| ISO/DIS 12239 |  | Smoke alarms using scattered light, transmitted light or ionization | 2021-02-05 |
|  |  | (Revision of ISO 12239:2010) |  |
| TC 22 |  | Road vehicles |  |
| ISO/DIS 20730-3 |  | Road vehicles — Vehicle interface for electronic Periodic Technical Inspection (ePTI) — Part 3: Data definitions | 2021-01-26 |
| ISO/DIS 7299-2 |  | Diesel engines — End-mounting flanges for pumps — Part 2: High-pressure supply pumps for common rail fuel injection systems | 2021-01-28 |
|  |  | (Revision of ISO 7299-2:2009) |  |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO/DIS 12934 |  | Tractors and machinery for agriculture and forestry — Basic types — Vocabulary | 2021-02-19 |
|  |  | (Revision of ISO 12934:2013) |  |
| ISO/DIS 5682-4 |  | Equipment for crop protection — Spraying equipment — Part 4: Test Methods for agitation of sprayer tanks | 2021-02-22 |
| ISO/DIS 10522 |  | Agricultural irrigation equipment — Direct-acting pressure-regulating valves | 2021-02-16 |
|  |  | (Revision of ISO 10522:1993) |  |
| ISO/DIS 11738 |  | Agricultural irrigation equipment — Control heads | 2021-02-18 |
|  |  | (Revision of ISO 11738:2000) |  |
| TC 27 |  | Coal and coke |  |
| ISO/DIS 616 |  | Coke — Determination of shatter indices | 2021-02-09 |
|  |  | (Revision of ISO 616:1995) |  |
| ISO/DIS 18283 |  | Coal and coke — Manual sampling | 2021-02-08 |
|  |  | (Revision of ISO 18283:2006, ISO 18283:2006/Cor 1:2009) |  |
| TC 29 |  | Small tools |  |
| ISO/DIS 9286 |  | Abrasive grains and crude — Chemical analysis of silicon carbide | 2021-02-16 |
|  |  | (Revision of ISO 9286:1997) |  |
| TC 31 |  | Tyres, rims and valves |  |
| ISO/DIS 15222 |  | Truck and bus tyres — Method for measuring relative wet grip performance — Loaded new tyres | 2021-02-08 |
|  |  | (Revision of ISO 15222:2011) |  |
| TC 33 |  | Refractories |  |
| ISO/DIS 22685 |  | Refractory products — Determination of compressive strength at elevated temperature | 2021-02-09 |
| TC 34 |  | Food products |  |
| ISO/DIS 4134 |  | Meat and meat products — Determination of L-(+)-glutamic acid content — Reference method | 2021-02-23 |
|  |  | (Revision of ISO 4134:1999) |  |
| ISO/DIS 13493 |  | Meat and meat products — Determination of chloramphenicol content — Reference method | 2021-02-17 |
|  |  | (Revision of ISO 13493:1998) |  |
| ISO/DIS 23722 |  | Meat and meat products — Basic terminology | 2021-02-18 |
| ISO/DIS 23781 |  | Operating procedures of pig slaughtering | 2021-02-16 |
| ISO/DIS 23855 |  | Frozen surimi — Specification | 2021-02-16 |
| ISO/DIS 22753 |  | Molecular biomarker analysis — Method for the statistical evaluation of analytical results obtained in testing sub-sampled groups of genetically modified seeds and grains — General requirements and definitions | 2021-02-08 |
| TC 41 |  | Pulleys and belts (including veebelts) |  |
| ISO/DIS 340 |  | Conveyor belts — Laboratory scale flammability characteristics — Requirements and test method | 2021-02-22 |
|  |  | (Revision of ISO 340:2013) |  |
| TC 42 |  | Photography |  |
| ISO/DIS 19264-1 |  | Photography — Archiving systems — Imaging systems quality analysis — Part 1: Reflective originals | 2021-01-26 |
|  |  | (Revision of ISO/TS 19264-1:2017) |  |
| TC 43 |  | Acoustics |  |
| ISO/DIS 13472-1 |  | Acoustics — Measurement of sound absorption properties of road surfaces in situ — Part 1: Extended surface method | 2021-02-18 |
|  |  | (Revision of ISO 13472-1:2002) |  |
| TC 44 |  | Welding and allied processes |  |
| ISO/DIS 3834-1 |  | Quality requirements for fusion welding of metallic materials — Part 1: Criteria for the selection of the appropriate level of quality requirements | 2021-02-18 |
|  |  | (Revision of ISO 3834-1:2005) |  |
| ISO/DIS 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 | 2021-02-18 |
|  |  | (Revision of ISO 3834-5:2015) |  |
| TC 45 |  | Rubber and rubber products |  |
| ISO/DIS 22941 |  | Rubber sheets for livestock — Dairy cattle — Specification | 2021-02-01 |
| TC 54 |  | Essential oils |  |
| ISO/DIS 4727 |  | Essential oil of palmarosa [Cymbopogon martini (Roxb.) W. Watson var. motia] | 2021-02-11 |
|  |  | (Revision of ISO 4727:1988) |  |
| ISO/DIS 22769 |  | Essential oil of Australian sandalwood [Santalum spicatum (R.Br.) A.DC.] | 2021-02-02 |
|  |  | (Revision of ISO 22769:2009) |  |
| TC 61 |  | Plastics |  |
| ISO/DIS 16396-2 |  | Plastics — Polyamide (PA) moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties | 2021-02-16 |
|  |  | (Revision of ISO 16396-2:2017) |  |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |  |
| ISO/DIS 16796 |  | Nuclear energy — Determination of Gd2O3 content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES) | 2021-02-23 |
|  |  | (Revision of ISO 16796:2004) |  |
| TC 107 |  | Metallic and other inorganic coatings |  |
| ISO/DIS 2080 |  | Metallic and other inorganic coatings — Surface treatment, metallic and other inorganic coatings — Vocabulary | 2021-01-25 |
|  |  | (Revision of ISO 2080:2008) |  |
| ISO/DIS 24449 |  | Metallic and other inorganic coatings — Determination of thermal conductivity of thermal barrier coatings at elevated temperature | 2021-02-05 |
| TC 111 |  | Round steel link chains, chain slings, components and accessories |  |
| ISO/DIS 4779 |  | Chain components for lifting purposes — Forged eye hook with point and latch — Grade 4, stainless steel, solution annealed | 2021-02-09 |
|  |  | (Revision of ISO 4779:1986) |  |
| TC 123 |  | Plain bearings |  |
| ISO/DIS 4382-1 |  | Plain bearings — Copper alloys — Part 1: Cast copper alloys for solid and multilayer thick-walled plain bearings | 2021-02-11 |
|  |  | (Revision of ISO 4382-1:1991) |  |
| ISO/DIS 4382-2 |  | Plain bearings — Copper alloys — Part 2: Wrought copper alloys for solid plain bearings | 2021-02-11 |
|  |  | (Revision of ISO 4382-2:1991) |  |
| TC 136 |  | Furniture |  |
| ISO/DIS 23767 |  | Children’s furniture — Mattresses for cots and cribs — Safety requirements and test methods | 2021-02-05 |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |  |
| ISO 15874-3:2013/DAmd 2 |  | Plastics piping systems for hot and cold water installations — Polypropylene (PP) — Part 3: Fittings — Amendment 2 | 2021-02-19 |
| ISO 15875-3:2003/DAmd 2 |  | Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings — Amendment 2 | 2021-02-19 |
| ISO 15876-3:2017/DAmd 2 |  | Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings — Amendment 2 | 2021-02-19 |
| ISO 15877-3:2009/DAmd 2 |  | Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 3: Fittings — Amendment 2 | 2021-02-18 |
| ISO 21003-3:2008/DAmd 1 |  | Multilayer piping systems for hot and cold water installations inside buildings — Part 3: Fittings — Amendment 1 | 2021-02-19 |
| ISO 22391-3:2009/DAmd 2 |  | Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 3: Fittings — Amendment 2 | 2021-02-19 |
| TC 150 |  | Implants for surgery |  |
| ISO/DIS 13179-1 |  | Implants for surgery — Coatings on metallic surgical implants — Part 1: Plasma-sprayed coatings derived from unalloyed titanium and TiAl6V4 powders | 2021-02-23 |
|  |  | (Revision of ISO 13179-1:2014) |  |
| TC 154 |  | Processes, data elements and documents in commerce, industry and administration |  |
| ISO/DIS 14533-2 |  | Processes, data elements and documents in commerce, industry and administration — Long term signature — Part 2: profiles for XML Advanced Electronic Signatures (XAdES) | 2021-01-28 |
|  |  | (Revision of ISO 14533-2:2012) |  |
| TC 156 |  | Corrosion of metals and alloys |  |
| ISO/DIS 23721 |  | Corrosion of metals and alloys — Rating method by appearance of rust and stains of atmospheric corrosion for stainless steels | 2021-02-10 |
| TC 160 |  | Glass in building |  |
| ISO/DIS 18543 |  | Glass in building — Electrochromic glazings — Accelerated ageing test and requirements | 2021-02-10 |
|  |  | (Revision of ISO 18543:2017) |  |
| ISO/DIS 21690 |  | Glass in building — Glass blocks — Specification and test methods | 2021-02-05 |
|  |  | (Revision of ISO 21690:2006) |  |
| TC 163 |  | Thermal performance and energy use in the built environment |  |
| ISO/DIS 22482.2 |  | Thermal insulation products — Aerogel blanket for buildings — Determination of physical properties | 2021-01-14 |
| TC 172 |  | Optics and photonics |  |
| ISO/DIS 9211-7 |  | Optics and photonics — Optical coatings — Part 7: Minimum requirements for neutral beam splitter coatings | 2021-02-01 |
|  |  | (Revision of ISO 9211-7:2018) |  |
| ISO/DIS 8600-8 |  | Endoscopes — Medical endoscopes and endotherapy devices — Part 8: Particular requirements for capsule endoscopes | 2021-02-08 |
| TC 190 |  | Soil quality |  |
| ISO/DIS 24032 |  | Soil quality — In situ caging of snails to assess bioaccumulation of contaminants | 2021-02-10 |
| TC 193 |  | Natural gas |  |
| ISO/DIS 10101-1 |  | Natural gas — Determination of water by the Karl Fischer method — Part 1: Introduction | 2021-02-05 |
|  |  | (Revision of ISO 10101-1:1993) |  |
| ISO/DIS 10101-2 |  | Natural gas — Determination of water by the Karl Fischer method — Part 2: Volumetric procedure | 2021-02-05 |
|  |  | (Revision of ISO 10101-2:1993) |  |
| ISO/DIS 10101-3 |  | Natural gas — Determination of water by the Karl Fischer method — Part 3: Coulometric procedure | 2021-02-05 |
|  |  | (Revision of ISO 10101-3:1993) |  |
| ISO/DIS 23219 |  | Natural gas — Format for data from gas chromatograph analysers for natural gas — XML File Format | 2021-02-05 |
| TC 206 |  | Fine ceramics |  |
| ISO/DIS 23739 |  | Fine ceramics (advanced ceramics, advanced technical ceramics) — Methods for chemical analysis of zirconium oxide powders | 2021-02-05 |
| TC 211 |  | Geographic information/Geomatics |  |
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| TC 249 |  | Traditional Chinese medicine |  |
| ISO/DIS 23961-1 |  | Traditional Chinese Medicine — Vocabulary for Diagnostics — Part 1: Tongue | 2021-02-16 |
| ISO/DIS 23961-2 |  | Traditional Chinese Medicine — Vocabulary for Diagnostics — Part 2: Pulse | 2021-02-16 |
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| TC 268 |  | Sustainable cities and communities |  |
| ISO/DIS 37166 |  | Smart community infrastructures —Urban data integration framework for smart city planning (SCP) | 2021-02-16 |
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| Period from 01 November to 01 December 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 23864 |  | Non‐destructive testing of welds — Ultrasonic testing — Use of automated total focusing technique (TFM) and related technologies | 2020-12-31 |
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| ISO/FDIS 9932 |  | Paper and board — Determination of water vapour transmission rate of sheet materials — Dynamic sweep and static gas methods | 2021-02-01 |
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| TC 22 |  | Road vehicles |  |
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| ISO/FDIS 11839 |  | Machinery for forestry — Thrown object guard — Test method and performance criteria | 2021-01-12 |
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| ISO/FDIS 6540 |  | Maize — Determination of moisture content (on milled grains and on whole grains) | 2021-01-12 |
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| TC 37 |  | Language and terminology |  |
| ISO/FDIS 24620-3 |  | Language resource management — Controlled human communication (CHC) — Part 3: Basic principles and methodology for controlled oral communication (COralCom) | 2021-01-19 |
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| ISO/FDIS 24076 |  | Plastics — Polypropylene (PP) — Determination of isotactic index by low-resolution nuclear magnetic resonance spectrometry | 2020-12-29 |
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| ISO/FDIS 15663 |  | Petroleum, petrochemical and natural gas industries — Life cycle costing | 2021-01-01 |
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| TC 83 |  | Sports and other recreational facilities and equipment |  |
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| TC 106 |  | Dentistry |  |
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| TC 107 |  | Metallic and other inorganic coatings |  |
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| TC 119 |  | Powder metallurgy |  |
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| TC 201 |  | Surface chemical analysis |  |
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| TC 204 |  | Intelligent transport systems |  |
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| TC 216 |  | Footwear |  |
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| TC 296 |  | Bamboo and rattan |  |
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| ISO/FDIS 17130 |  | Leather — Physical and mechanical tests — Determination of dimensional change | 2021-01-20 |
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| Standards published | | | |
| New International Standards published between 01 November and 01 December 2020 | | | |
| 1 delayed publication of language version  2 corrected version  3 multilingual document | | | |
|  |  |  | Price group |
| TC 5 |  | Ferrous metal pipes and metallic fittings |  |
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| ISO 21716-3:2020 | en | Ships and marine technology — Bioassay methods for screening anti-fouling paints — Part 3: Mussels | D |
| TC 17 |  | Steel |  |
| ISO 6934-4:2020 | en | Steel for the prestressing of concrete — Part 4: Strand | B |
| TC 22 |  | Road vehicles |  |
| ISO 19206-4:2020 | en | Road vehicles — Test devices for target vehicles, vulnerable road users and other objects, for assessment of active safety functions — Part 4: Requirements for bicyclist targets | F |
| ISO 22561:2020 | en | Gasoline engines with direct fuel injection (GDI engines) — Installation of the injectors to the engine | B |
| ISO 15500-4:2020 | en | Road vehicles — Compressed natural gas (CNG) fuel system components — Part 4: Manual valve | A |
| ISO 15500-5:2020 | en | Road vehicles — Compressed natural gas (CNG) fuel system components — Part 5: Manual cylinder valve | A |
| TC 23 |  | Tractors and machinery for agriculture and forestry |  |
| ISO 21628:2020 | fr | Gardening machinery — Powered material-collecting systems — Safety | A |
| TC 28 |  | Petroleum and related products, fuels and lubricants from natural or synthetic sources |  |
| ISO/TS 21354:2020 | en | Measurement of multiphase fluid flow | H |
| TC 29 |  | Small tools |  |
| ISO 26623-1:2020 | en  fr | Polygonal taper interface with flange contact surface — Part 1: Dimensions and designation of shanks | C |
| TC 34 |  | Food products |  |
| ISO 21470:2020 | en | Infant formula and adult nutritionals — Simultaneous determination of total vitamins B1, B2, B3 and B6 — Enzymatic digestion and LC-MS/MS | E |
| ISO 19942:2018/Amd 1:2020 | en | Maize (Zea mays L.) — Specification — Amendment 1: Feed maize | XZ |
| TC 38 |  | Textiles |  |
| ISO 1833-3:2020 | en  fr | Textiles — Quantitative chemical analysis — Part 3: Mixtures of acetate with certain other fibres (method using acetone) | A |
| ISO/TR 23383:2020 | en  fr | Textiles and textile products — Smart (Intelligent) textiles— Definitions, categorisation, applications and standardization needs | D |
| TC 39 |  | Machine tools |  |
| ISO 230-3:2020 | en  fr | Test code for machine tools — Part 3: Determination of thermal effects | F |
| TC 41 |  | Pulleys and belts (including veebelts) |  |
| ISO 19347:2015 | fr | Synchronous belt drives — Imperial pitch trapezoidal profile system — Belts and pulleys | D |
| TC 43 |  | Acoustics |  |
| ISO 6926:2016/Amd 1:2020 | en  fr | Acoustics — Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels — Amendment 1 | XZ |
| ISO 11690-1:2020 | en  fr | Acoustics — Recommended practice for the design of low-noise workplaces containing machinery — Part 1: Noise control strategies | E |
| ISO 11690-2:2020 | en  fr | Acoustics — Recommended practice for the design of low-noise workplaces containing machinery — Part 2: Noise control measures | E |
| ISO/TR 17534-4:2020 | en | Acoustics — Software for the calculation of sound outdoors — Part 4: Recommendations for a quality assured implementation of the COMMISSION DIRECTIVE (EU) 2015/996 in software according to ISO 17534-1 | H |
| TC 44 |  | Welding and allied processes |  |
| ISO 23493:2020 | en  fr | Welding and allied processes — Process specification for laser-arc hybrid welding for metallic materials | B |
| ISO 24394:2018 | en  fr | Welding for aerospace applications — Qualification test for welders and welding operators — Fusion welding of metallic components | F |
| TC 58 |  | Gas cylinders |  |
| ISO 11119-1:2020 | en | Gas cylinders — Design, construction and testing of refillable composite gas cylinders and tubes — Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l | F |
| ISO 11119-2:2020 | en | Gas cylinders — Design, construction and testing of refillable composite gas cylinders and tubes — Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners | F |
| ISO 11119-3:2020 | en | Gas cylinders — Design, construction and testing of refillable composite gas cylinders and tubes — Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners or without liners | F |
| TC 59 |  | Buildings and civil engineering works |  |
| ISO 21597-2:2020 | en  fr | Information container for linked document delivery — Exchange specification — Part 2: Link types | D |
| TC 60 |  | Gears |  |
| ISO 6336-2:2019 | en  fr | Calculation of load capacity of spur and helical gears — Part 2: Calculation of surface durability (pitting) | F |
| ISO 6336-3:2019 | en  fr | Calculation of load capacity of spur and helical gears — Part 3: Calculation of tooth bending strength | G |
| TC 61 |  | Plastics |  |
| ISO 9772:2020 | en | Cellular plastics — Determination of horizontal burning characteristics of small specimens subjected to a small flame | C |
| ISO 23977-1:2020 | en | Plastics — Determination of the aerobic biodegradation of plastic materials exposed to seawater — Part 1: Method by analysis of evolved carbon dioxide | C |
| ISO 23977-2:2020 | en | Plastics — Determination of the aerobic biodegradation of plastic materials exposed to seawater — Part 2: Method by measuring the oxygen demand in closed respirometer | B |
| TC 67 |  | Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries |  |
| ISO 15156-1:2020 | en | Petroleum and natural gas industries — Materials for use in H2S-containing environments in oil and gas production — Part 1: General principles for selection of cracking-resistant materials | B |
| ISO 15156-2:2020 | en | Petroleum and natural gas industries — Materials for use in H2S-containing environments in oil and gas production — Part 2: Cracking-resistant carbon and low-alloy steels, and the use of cast irons | F |
| ISO 15156-3:2020 | en | Petroleum and natural gas industries — Materials for use in H2S-containing environments in oil and gas production — Part 3: Cracking-resistant CRAs (corrosion-resistant alloys) and other alloys | G |
| ISO 15589-1:2015 | fr | Petroleum, petrochemical and natural gas industries — Cathodic protection of pipeline systems — Part 1: On-land pipelines | G |
| ISO 19902:2020 | en | Petroleum and natural gas industries — Fixed steel offshore structures | H |
| TC 69 |  | Applications of statistical methods |  |
| ISO 2859-2:2020 | fr | Sampling procedures for inspection by attributes — Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection | F |
| TC 85 |  | Nuclear energy, nuclear technologies, and radiological protection |  |
| ISO 12749-6:2020 | en | Nuclear energy, nuclear technologies, and radiological protection — Vocabulary — Part 6: Nuclear medicine | A |
| ISO 7195:2020 | en  fr | Nuclear energy — Packagings for the transport of uranium hexafluoride (UF6) | H |
| ISO 23467:2020 | en | Ice plug isolation of piping in nuclear power plant | C |
| TC 86 |  | Refrigeration and air-conditioning |  |
| ISO 22043:2020 | en  fr | Ice-cream freezers — Classification, requirements and test conditions | F |
| TC 89 |  | Wood-based panels |  |
| ISO 18775:2020 | en  fr | Veneers — Terms and definitions, determination of physical characteristics and tolerances | D |
| TC 91 |  | Surface active agents |  |
| ISO 23324:2020 | en | Surface active agents — Fabric conditioners — Determination of antistatic performance | B |
| TC 92 |  | Fire safety |  |
| ISO 20414:2020 | en | Fire safety engineering — Verification and validation protocol for building fire evacuation models | G |
| TC 94 |  | Personal safety -- Personal protective equipment |  |
| ISO 22568-1:2019 | en  fr | Foot and leg protectors — Requirements and test methods for footwear components — Part 1: Metallic toecaps | C |
| TC 96 |  | Cranes |  |
| ISO 4301-2:2020 | en | Cranes — Classification — Part 2: Mobile cranes | B |
| TC 106 |  | Dentistry |  |
| ISO 15841:2014/Amd 1:2020 | en  fr | Dentistry — Wires for use in orthodontics — Amendment 1 | XZ |
| ISO 17254:2016/Amd 1:2020 | en  fr | Dentistry — Coiled springs for use in orthodontics — Amendment 1 | XZ |
| TC 107 |  | Metallic and other inorganic coatings |  |
| ISO 14571:2020 | en | Metallic coatings on non-metallic basis materials — Measurement of coating thickness — Micro-resistivity method | B |
| TC 117 |  | Fans |  |
| ISO/TR 16219:2020 | fr | Fans — System effects and system effect factors | H |
| TC 121 |  | Anaesthetic and respiratory equipment |  |
| ISO 80601-2-69:2020 | en  fr | Medical electrical equipment — Part 2-69: Particular requirements for the basic safety and essential performance of oxygen concentrator equipment | BD |
| ISO 80601-2-70:2020 | en  fr | Medical electrical equipment — Part 2-70: Particular requirements for the basic safety and essential performance of sleep apnoea breathing therapy equipment | G |
| TC 127 |  | Earth-moving machinery |  |
| ISO 16417:2020 | en | Earth-moving machinery — Hydraulic breakers — Terminology and commercial specifications | B |
| TC 130 |  | Graphic technology |  |
| ISO 2834-1:2020 | en | Graphic technology — Laboratory preparation of test prints — Part 1: Paste inks | D |
| ISO 15930-9:2020 | en | Graphic technology — Prepress digital data exchange using PDF — Part 9: Complete exchange of printing data (PDF/X-6) and partial exchange of printing data with external profile reference (PDF/X-6p and PDF/X-6n) using PDF 2.0 | D |
| ISO 16612-3:2020 | en | Graphic technology — Variable data exchange — Part 3: Using PDF/X-6 (PDF/VT-3) | B |
| ISO/TS 18621-21:2020 | en | Graphic technology — Image quality evaluation methods for printed matter — Part 21: Measurement of 1D distortions of macroscopic uniformity utilizing scanning spectrophotometers | B |
| ISO 21632:2018/Amd 1:2020 | en | Graphic technology — Determination of the energy consumption of digital printing devices including transitional and related modes — Amendment 1 | XZ |
| TC 131 |  | Fluid power systems |  |
| ISO 11171:2020 | en  fr | Hydraulic fluid power — Calibration of automatic particle counters for liquids | G |
| TC 134 |  | Fertilizers, soil conditioners and beneficial substances |  |
| ISO 14820-3:2020 | en  fr | Fertilizers and liming materials — Sampling and sample preparation — Part 3: Sampling of static heaps | B |
| ISO 22887:2020 | en  fr | Determination of total sulfur in fertilizers by high temperature combustion | B |
| TC 135 |  | Non-destructive testing |  |
| ISO 23243:2020 | en  fr | Non-destructive testing — Ultrasonic testing with arrays — Vocabulary | A |
| ISO 22290:2020 | en | Non-destructive testing — Infrared thermographic testing — General principles for thermoelastic stress measuring method | B |
| TC 138 |  | Plastics pipes, fittings and valves for the transport of fluids |  |
| ISO 15875-2:2003/Amd 2:2020 | en | Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 2: Pipes — Amendment 2 | XZ |
| ISO 15877-5:2009/Amd 2:2020 | en | Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 5: Fitness for purpose of the system — Amendment 2 | XZ |
| ISO 22391-2:2009/Amd 1:2020 | en | Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 2: Pipes — Amendment 1 | XZ |
| ISO 15494:2015/Amd 1:2020 | en  fr | Plastics piping systems for industrial applications — Polybutene (PB), polyethylene (PE), polyethylene of raised temperature resistance (PE-RT), crosslinked polyethylene (PE-X), polypropylene (PP) — Metric series for specifications for components and the system — Amendment 1 | XZ |
| TC 145 |  | Graphical symbols |  |
| ISO 7010:2019/Amd 2:2020 | en  fr | Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 2 | XZ |
| TC 146 |  | Air quality |  |
| ISO 21741:2020 | en | Stationary source emissions — Sampling and determination of mercury compounds in flue gas using gold amalgamation trap | E |
| ISO 22065:2020 | en  fr | Workplace air — Gases and vapours — Requirements for evaluation of measuring procedures using pumped samplers | F |
| ISO 16000-28:2020 | en  fr | Indoor air — Part 28: Determination of odour emissions from building products using test chambers | E |
| TC 147 |  | Water quality |  |
| ISO 21863:2020 | en | Water quality — Determination of alkylmercury compounds in water — Method using gas chromatography-mass spectrometry (GC-MS) after phenylation and solvent extraction | D |
| ISO 5667-10:2020 | en | Water quality — Sampling — Part 10: Guidance on sampling of waste water | F |
| TC 150 |  | Implants for surgery |  |
| ISO 27186:2020 | en | Active implantable medical devices — Four-pole connector system for implantable cardiac rhythm management devices — Dimensional and test requirements | H |
| TC 155 |  | Nickel and nickel alloys |  |
| ISO 11433:2020 | en | Nickel alloys — Determination of titanium content — Diantipyrylmethane molecular absorption method | B |
| TC 156 |  | Corrosion of metals and alloys |  |
| ISO 23226:2020 | en | Corrosion of metals and alloys — Guidelines for the corrosion testing of metals and alloys exposed in deep-sea water | B |
| ISO 23221:2020 | en | Pipeline corrosion control engineering life cycle — General requirements | B |
| TC 158 |  | Analysis of gases |  |
| ISO 19230:2020 | en | Gas analysis — Sampling guidelines | F |
| TC 164 |  | Mechanical testing of metals |  |
| ISO 10113:2020 | en  fr | Metallic materials — Sheet and strip — Determination of plastic strain ratio | D |
| TC 171 |  | Document management applications |  |
| ISO 19005-4:2020 | en | Document management — Electronic document file format for long-term preservation — Part 4: Use of ISO 32000-2 (PDF/A-4) | E |
| TC 172 |  | Optics and photonics |  |
| ISO 8600-5:2020 | en | Optics and photonics — Medical endoscopes and endotherapy devices — Part 5: Determination of optical resolution of rigid endoscopes with optics | D |
| ISO 22248:2020 | en | Lasers and laser-related equipment — Test methods for laser-induced damage threshold — Classification of medical beam delivery systems | C |
| TC 184 |  | Automation systems and integration |  |
| ISO 10303-238:2020 | en | Industrial automation systems and integration — Product data representation and exchange — Part 238: Application protocol: Model based integrated manufacturing | H |
| ISO/TR 24464:2020 | en | Automation systems and integration — Industrial data — Visualization elements of digital twins | D |
| TC 188 |  | Small craft |  |
| ISO 8666:2020 | en  fr | Small craft — Principal data | D |
| ISO 12215-7:2020 | en  fr | Small craft — Hull construction and scantlings — Part 7: Determination of loads for multihulls and of their local scantlings using ISO 12215-5 | G |
| ISO 12215-10:2020 | en  fr | Small craft — Hull construction and scantlings — Part 10: Rig loads and rig attachment in sailing craft | G |
| ISO 12402-7:2020 | fr | Personal flotation devices — Part 7: Materials and components — Safety requirements and test methods | G |
| ISO 12402-10:2020 | fr | Personal flotation devices — Part 10: Selection and application of personal flotation devices and other relevant devices | D |
| TC 189 |  | Ceramic tile |  |
| ISO 13007-6:2020 | en | 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 | C |
| TC 204 |  | Intelligent transport systems |  |
| ISO 13143-1:2020 | en  fr | Electronic fee collection — Evaluation of on-board and roadside equipment for conformity to ISO 12813 — Part 1: Test suite structure and test purposes | G |
| ISO 18561-1:2020 | en | Intelligent transport systems (ITS) — Urban mobility applications via nomadic device for green transport management — Part 1: General requirements for data exchange between ITS stations | C |
| ISO 20524-2:2020 | en | Intelligent transport systems — Geographic Data Files (GDF) GDF5.1 — Part 2: Map data used in automated driving systems, Cooperative ITS, and multi-modal transport | H |
| ISO 22418:2020 | fr | Intelligent transport systems — Fast service announcement protocol (FSAP) for general purposes in ITS | G |
| TC 206 |  | Fine ceramics |  |
| ISO 23946:2020 | en | Fine ceramics (advanced ceramics, advanced technical ceramics) — Test methods for optical properties of ceramic phosphors for white light-emitting diodes using a gonio-spectrofluorometer | D |
| TC 207 |  | Environmental management |  |
| ISO 14002-1:2019 | es | Environmental management systems — Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area — Part 1: General | B |
| ISO 14065:2020 | en  fr | General principles and requirements for bodies validating and verifying environmental information | E |
| TC 211 |  | Geographic information/Geomatics |  |
| ISO 19115-1:2014/Amd 2:2020 | en  fr | Geographic information — Metadata — Part 1: Fundamentals — Amendment 2 | XZ |
| TC 212 |  | Clinical laboratory testing and in vitro diagnostic test systems |  |
| ISO 17822:2020 | en | In vitro diagnostic test systems — Nucleic acid amplification-based examination procedures for detection and identification of microbial pathogens - Laboratory quality practice guide | F |
| ISO 35001:2019 | es | Biorisk management for laboratories and other related organisations | D |
| TC 215 |  | Health informatics |  |
| ISO 12967-1:2020 | en  fr | Health informatics — Service architecture (HISA) — Part 1: Enterprise viewpoint | G |
| ISO 12967-2:2020 | en  fr | Health informatics — Service architecture (HISA) — Part 2: Information viewpoint | G |
| ISO 12967-3:2020 | en  fr | Health informatics — Service architecture (HISA) — Part 3: Computational viewpoint | E |
| ISO 21860:2020 | en | Health Informatics — Reference standards portfolio (RSP) — Clinical imaging | G |
| TC 216 |  | Footwear |  |
| ISO 24266:2020 | en  fr | Footwear — Test methods for whole shoe — Flexing durability | B |
| ISO 24267:2020 | en  fr | Footwear — Determination of coefficient of friction for footwear and sole components — Test method | B |
| TC 224 |  | Service activities relating to drinking water supply, wastewater and stormwater systems |  |
| ISO/TS 24541:2020 | en | Service activities relating to drinking water supply, wastewater and stormwater systems — Guidelines for the implementation of continuous monitoring systems for drinking water quality and operational parameters in drinking water distribution networks | D |
| TC 229 |  | Nanotechnologies |  |
| ISO/TS 80004-3:2020 | en  fr | Nanotechnologies — Vocabulary — Part 3: Carbon nano-objects | A |
| ISO/TS 80004-8:2020 | en  fr | Nanotechnologies — Vocabulary — Part 8: Nanomanufacturing processes | A |
| TC 249 |  | Traditional Chinese medicine |  |
| ISO 22590:2020 | en | Traditional Chinese medicine — Determination of sulfur dioxide in natural products by titration | C |
| TC 260 |  | Human resource management |  |
| ISO 10667-1:2020 | en | Assessment service delivery — Procedures and methods to assess people in work and organizational settings — Part 1: Requirements for the client | D |
| ISO 10667-2:2020 | en | Assessment service delivery — Procedures and methods to assess people in work and organizational settings — Part 2: Requirements for service providers | D |
| TC 261 |  | Additive manufacturing |  |
| ISO/ASTM 52941:2020 | en  fr | Additive manufacturing — System performance and reliability — Acceptance tests for laser metal powder-bed fusion machines for metallic materials for aerospace application | B |
| TC 269 |  | Railway applications |  |
| ISO 12856-2:2020 | en | Railway applications — Polymeric composite sleepers, bearers and transoms — Part 2: Product testing | F |
| TC 275 |  | Sludge recovery, recycling, treatment and disposal |  |
| ISO 19698:2020 | fr | Sludge recovery, recycling, treatment and disposal — Beneficial use of biosolids — Land application | H |
| TC 276 |  | Biotechnology |  |
| ISO 21709:2020 | en | Biotechnology — Biobanking — Process and quality requirements for establishment, maintenance and characterization of mammalian cell lines | D |
| ISO 21710:2020 | en | Biotechnology — Specification on data management and publication in microbial resource centers | D |
| TC 279 |  | Innovation management |  |
| ISO 56005:2020 | en  fr | Innovation management — Tools and methods for intellectual property management — Guidance | E |
| TC 281 |  | Fine bubble technology |  |
| ISO 24261-1:2020 | en | Fine bubble technology — Elimination method for sample characterization — Part 1: Evaluation procedure | B |
| TC 282 |  | Water reuse |  |
| ISO 16075-1:2020 | en  fr | Guidelines for treated wastewater use for irrigation projects — Part 1: The basis of a reuse project for irrigation | E |
| ISO 16075-2:2020 | en  fr | Guidelines for treated wastewater use for irrigation projects — Part 2: Development of the project | D |
| TC 292 |  | Security and resilience |  |
| ISO 22328-1:2020 | en | Security and resilience — Emergency management — Part 1: General guidelines for the implementation of a community-based disaster early warning system | C |
| TC 300 |  | Solid Recovered Fuels |  |
| ISO 21637:2020 | en  fr | Solid recovered fuels — Vocabulary | A |
| ISO 21663:2020 | en  fr | Solid recovered fuels — Methods for the determination of carbon (C), hydrogen (H), nitrogen (N) and sulphur (S) by the instrumental method | B |
| TC 306 |  | Foundry machinery |  |
| ISO 23472-2:2020 | en | Foundry machinery — Vocabulary — Part 2: Molding and coremaking machines and other equipment related to non-permanent mold casting process | A |
| TMBG |  | Technical Management Board - groups |  |
| IWA 35:2020 | en | Quality of learning environments for students in healthcare professions — Requirements for healthcare education providers in care settings | B |
| CASCO |  | Committee on conformity assessment |  |
| ISO/IEC 17000:2020 | en  es  fr | Conformity assessment — Vocabulary and general principles | D |
| JTC 1 |  | Information technology |  |
| ISO/IEC 24643:2020 | en | Architecture for a distributed real-time access system | C |
| ISO/IEC/IEEE 8802-1X:2013/Amd 2:2020 | en | Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Part 1X: Port-based network access control — Amendment 2: YANG data model | D |
| ISO/IEC 9594-1:2020 | en | Information technology — Open systems interconnection — Part 1: The Directory: Overview of concepts, models and services | D |
| ISO/IEC 9594-2:2020 | en | Information technology — Open systems interconnection — Part 2: The Directory: Models | H |
| ISO/IEC 9594-3:2020 | en | Information technology — Open systems interconnection — Part 3: The Directory: Abstract service definition | H |
| ISO/IEC 9594-4:2020 | en | Information technology — Open systems interconnection — Part 4: The Directory: Procedures for distributed operation | H |
| ISO/IEC 9594-5:2020 | en | Information technology — Open systems interconnection — Part 5: The Directory: Protocol specifications | H |
| ISO/IEC 9594-6:2020 | en | Information technology — Open systems interconnection — Part 6: The Directory: Selected attribute types | H |
| ISO/IEC 9594-7:2020 | en | Information technology — Open systems interconnection — Part 7: The Directory: Selected object classes | E |
| ISO/IEC 9594-8:2020 | en | Information technology — Open systems interconnection — Part 8: The Directory: Public-key and attribute certificate frameworks | H |
| ISO/IEC 9594-9:2020 | en | Information technology — Open systems interconnection — Part 9: The Directory: Replication | F |
| ISO/IEC TR 29119-11:2020 | en | Software and systems engineering — Software testing — Part 11: Guidelines on the testing of AI-based systems | G |
| ISO/IEC 10373-6:2020/Amd 2:2020 | en | Cards and security devices for personal identification — Test methods — Part 6: Contactless proximity objects — Amendment 2: Enhancements for harmonization | XZ |
| ISO/IEC 11770-5:2020 | en | Information security — Key management — Part 5: Group key management | C |
| ISO/IEC 19772:2020 | en | Information security — Authenticated encryption | D |
| ISO/IEC 19790:2012 | fr | Information technology — Security techniques — Security requirements for cryptographic modules | G |
| ISO/IEC 24760-1:2019 | fr | IT Security and Privacy — A framework for identity management — Part 1: Terminology and concepts | D |
| ISO/IEC 27006:2015 | fr | Information technology — Security techniques — Requirements for bodies providing audit and certification of information security management systems | E |
| ISO/IEC 27006:2015/Amd 1:2020 | fr | Information technology — Security techniques — Requirements for bodies providing audit and certification of information security management systems — Amendment 1 | XZ |
| ISO/IEC 23008-3:2019/Amd 2:2020 | en | Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 3: 3D audio — Amendment 2: 3D Audio baseline profile, corrections and improvements | XZ |
| ISO/IEC 23008-12:2017/Amd 1:2020 | en | Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 12: Image File Format — Amendment 1: Support for predictive image coding, bursts, bracketing and other improvements | B |
| ISO/IEC 23092-5:2020 | en | Information technology — Genomic information representation — Part 5: Conformance | D |
| ISO/IEC TR 15944-14:2020 | en | Information technology — Business operational view — Part 14: Open-edi reference model and cloud computing architecture | F |
| ISO/IEC 30113-61:2020 | en | Information technology — Gesture-based interfaces across devices and methods — Part 61: Single-point gestures for screen readers | B |
| ISO/IEC 30106-2:2020 | en | Information technology — Object oriented BioAPI — Part 2: Java implementation | G |
| ISO/IEC 30106-3:2020 | en | Information technology — Object oriented BioAPI — Part 3: C# implementation | G |
| ISO/IEC 30144:2020 | en | Information technology — Sensor network system architecture for power substations | BM |
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| Standards confirmed | |
| The following International Standards are confimred for a five year period: | |
| TC 5 | Ferrous metal pipes and metallic fittings |
| ISO 49:1994 | (reconfirmed) |
| ISO 2016:1981 | (reconfirmed) |
| ISO 4144:2003 | (reconfirmed) |
| ISO 4145:1986 | (reconfirmed) |
| TC 8 | Ships and marine technology |
| ISO 8729-2:2009 | (reconfirmed) |
| ISO 9876:2015 |  |
| ISO 19019:2005 | (reconfirmed) |
| ISO 19379:2003 | (reconfirmed) |
| TC 10 | Technical product documentation |
| ISO 29845:2011 |  |
| TC 20 | Aircraft and space vehicles |
| ISO 451:1976 | (reconfirmed) |
| ISO 485:1973 | (reconfirmed) |
| ISO 1465:1989 | (reconfirmed) |
| ISO 2046:1973 | (reconfirmed) |
| ISO 2434:1973 | (reconfirmed) |
| ISO 2435:1973 | (reconfirmed) |
| ISO 2563:2009 | (reconfirmed) |
| ISO 3174:1994 | (reconfirmed) |
| ISO 6773:1994 | (reconfirmed) |
| ISO 7258:1984 | (reconfirmed) |
| ISO 7315:1988 | (reconfirmed) |
| ISO 8153-1:2009 | (reconfirmed) |
| ISO 8479:1986 | (reconfirmed) |
| ISO 8829-1:2009 | (reconfirmed) |
| ISO 8829-2:2006 | (reconfirmed) |
| ISO 9634:1994 | (reconfirmed) |
| ISO 9679:2006 | (reconfirmed) |
| ISO 9939:1994 | (reconfirmed) |
| ISO 12319:2006 | (reconfirmed) |
| ISO 12584:2013 |  |
| ISO 14085-1:2015 |  |
| ISO 14085-2:2015 |  |
| ISO 14085-3:2015 |  |
| ISO 14085-4:2015 |  |
| ISO 14085-5:2015 |  |
| ISO 14085-6:2015 |  |
| ISO 22089:2009 | (reconfirmed) |
| ISO 23933:2006 | (reconfirmed) |
| ISO 23935:2006 | (reconfirmed) |
| ISO 18197:2015 |  |
| TC 22 | Road vehicles |
| ISO 11898-3:2006 | (reconfirmed) |
| ISO 15118-2:2014 | (reconfirmed) |
| ISO 15118-3:2015 |  |
| ISO 17356-1:2005 | (reconfirmed) |
| ISO 17356-2:2005 | (reconfirmed) |
| ISO 17356-3:2005 | (reconfirmed) |
| ISO 17356-4:2005 | (reconfirmed) |
| ISO 17356-5:2006 | (reconfirmed) |
| ISO 17356-6:2006 | (reconfirmed) |
| TC 23 | Tractors and machinery for agriculture and forestry |
| ISO 16119-4:2014 |  |
| ISO 16122-1:2015 |  |
| ISO 16122-2:2015 |  |
| ISO 16122-3:2015 |  |
| ISO 16122-4:2015 |  |
| ISO 22369-1:2006 | (reconfirmed) |
| ISO 22369-2:2010 | (reconfirmed) |
| ISO 22763:2006 | (reconfirmed) |
| ISO 24253-1:2015 |  |
| ISO 24253-2:2015 |  |
| ISO 9635-4:2014 |  |
| ISO 9635-5:2014 |  |
| TC 28 | Petroleum and related products, fuels and lubricants from natural or synthetic sources |
| ISO 16861:2015 |  |
| ISO 17786:2015 |  |
| TC 30 | Measurement of fluid flow in closed conduits |
| ISO 10790:2015 |  |
| TC 34 | Food products |
| ISO 26323:2009 | (reconfirmed) |
| TC 38 | Textiles |
| ISO 9073-1:1989 | (reconfirmed) |
| ISO 9073-3:1989 | (reconfirmed) |
| ISO 9073-13:2006 | (reconfirmed) |
| ISO 9073-14:2006 | (reconfirmed) |
| ISO 105-B04:1994 | (reconfirmed) |
| ISO 105-C07:1999 | (reconfirmed) |
| ISO 105-E06:2006 | (reconfirmed) |
| ISO 105-E08:1994 | (reconfirmed) |
| ISO 105-E10:1994 | (reconfirmed) |
| ISO 105-E11:1994 | (reconfirmed) |
| ISO 105-E13:1994 | (reconfirmed) |
| ISO 105-E14:1994 | (reconfirmed) |
| ISO 105-E16:2006 | (reconfirmed) |
| ISO 105-X04:1994 | (reconfirmed) |
| ISO 105-X05:1994 | (reconfirmed) |
| ISO 105-X06:1994 | (reconfirmed) |
| ISO 105-X07:1994 | (reconfirmed) |
| ISO 105-X08:1994 | (reconfirmed) |
| ISO 105-X11:1994 | (reconfirmed) |
| ISO 105-X13:1994 | (reconfirmed) |
| ISO 3005:1978 | (reconfirmed) |
| TC 39 | Machine tools |
| ISO 369:2009 | (reconfirmed) |
| ISO 3408-3:2006 | (reconfirmed) |
| ISO 23848-1:2009 | (reconfirmed) |
| ISO 23848-2:2009 | (reconfirmed) |
| TC 45 | Rubber and rubber products |
| ISO/TS 21396:2017 |  |
| ISO/TS 21522:2017 |  |
| TC 54 | Essential oils |
| ISO 1242:1999 | (reconfirmed) |
| TC 61 | Plastics |
| ISO 17541:2014 |  |
| ISO 21509:2006 | (reconfirmed) |
| ISO 25217:2009 | (reconfirmed) |
| TC 70 | Internal combustion engines |
| IEC 88528-11:2004 |  |
| ISO 4548-15:2014 |  |
| TC 71 | Concrete, reinforced concrete and pre-stressed concrete |
| ISO 13315-1:2012 | (reconfirmed) |
| TC 74 | Cement and lime |
| ISO 29581-2:2010 | (reconfirmed) |
| TC 92 | Fire safety |
| ISO 13571:2012 |  |
| ISO/TS 19700:2016 |  |
| ISO/TS 13447:2013 | (reconfirmed) |
| TC 96 | Cranes |
| ISO 9928-1:2015 |  |
| ISO 9942-1:2015 |  |
| TC 98 | Bases for design of structures |
| ISO 4354:2009 | (reconfirmed) |
| TC 110 | Industrial trucks |
| ISO 22915-9:2014 |  |
| ISO 22915-12:2015 |  |
| ISO 22915-22:2014 |  |
| TC 118 | Compressors and pneumatic tools, machines and equipment |
| ISO 2151:2004 | (reconfirmed) |
| TC 119 | Powder metallurgy |
| ISO 5755:2012 | (reconfirmed) |
| TC 127 | Earth-moving machinery |
| ISO 7135:2009 | (reconfirmed) |
| ISO/TS 9250-1:2012 | (reconfirmed) |
| ISO/TS 9250-2:2012 | (reconfirmed) |
| TC 131 | Fluid power systems |
| ISO 5782-2:1997 | (reconfirmed) |
| ISO 6953-1:2015 |  |
| ISO 6953-2:2015 |  |
| TC 138 | Plastics pipes, fittings and valves for the transport of fluids |
| ISO 6993-1:2006 | (reconfirmed) |
| ISO 6993-2:2006 | (reconfirmed) |
| ISO 6993-3:2006 | (reconfirmed) |
| ISO 6993-4:2006 | (reconfirmed) |
| ISO/TS 18226:2006 | (reconfirmed) |
| TC 150 | Implants for surgery |
| ISO 13175-3:2012 |  |
| ISO 14949:2001 | (reconfirmed) |
| ISO 15374:1998 | (reconfirmed) |
| ISO 23317:2014 |  |
| TC 162 | Doors, windows and curtain walling |
| ISO 6445:2005 | (reconfirmed) |
| TC 172 | Optics and photonics |
| ISO 9022-2:2015 |  |
| ISO 9022-20:2015 |  |
| ISO 10110-6:2015 |  |
| ISO 10110-19:2015 |  |
| ISO 15529:2010 | (reconfirmed) |
| ISO 12858-3:2005 | (reconfirmed) |
| ISO 17123-7:2005 | (reconfirmed) |
| ISO 11151-1:2015 |  |
| ISO 11151-2:2015 |  |
| ISO 13697:2006 | (reconfirmed) |
| ISO 14880-2:2006 | (reconfirmed) |
| ISO 14880-3:2006 | (reconfirmed) |
| ISO 14880-4:2006 | (reconfirmed) |
| ISO 15367-1:2003 | (reconfirmed) |
| ISO 15367-2:2005 | (reconfirmed) |
| ISO 17526:2003 | (reconfirmed) |
| TC 178 | Lifts, escalators and moving walks |
| ISO 4190-5:2006 | (reconfirmed) |
| ISO 25745-2:2015 |  |
| TC 195 | Building construction machinery and equipment |
| ISO 19433:2008 | (reconfirmed) |
| ISO 19452:2008 | (reconfirmed) |
| TC 206 | Fine ceramics |
| ISO 17092:2005 | (reconfirmed) |
| ISO 17861:2014 |  |
| ISO 17947:2014 |  |
| ISO 20506:2005 | (reconfirmed) |
| ISO 20508:2003 | (reconfirmed) |
| ISO 20509:2003 | (reconfirmed) |
| ISO 24369:2005 | (reconfirmed) |
| ISO 24370:2005 | (reconfirmed) |
| TC 215 | Health informatics |
| ISO/IEEE 11073-10441:2015 |  |
| ISO/IEEE 11073-10442:2015 |  |
| ISO/TS 22789:2010 | (reconfirmed) |
| ISO/HL7 27932:2009 | (reconfirmed) |
| ISO/HL7 27951:2009 | (reconfirmed) |
| TC 226 | Materials for the production of primary aluminium |
| ISO 1693:1976 | (reconfirmed) |
| ISO 1694:1976 | (reconfirmed) |
| ISO 3391:1976 | (reconfirmed) |
| ISO 4280:1977 | (reconfirmed) |
| ISO 8007-3:2003 | (reconfirmed) |
| ISO 8008:2005 | (reconfirmed) |
| ISO 17500:2006 | (reconfirmed) |
| ISO 20203:2005 | (reconfirmed) |
| TC 238 | Solid biofuels |
| ISO 16948:2015 |  |
| ISO 16967:2015 |  |
| ISO 16968:2015 |  |
| JTC 1 | Information technology |
| ISO/IEC 11581-1:2000 | (reconfirmed) |
| ISO/IEC TS 20071-21:2015 |  |
| ISO/IEC 29136:2012 | (reconfirmed) |
| ISO/IEC 30113-1:2015 |  |

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| Standards withdrawn | |
| Period from 01 November to 01 December 2020 | |
| TC 204 | Intelligent transport systems |
| ISO 14825:2011 | (replaced by ISO 20524-2:2020, ISO 20524-1:2020) |
| TC 212 | Clinical laboratory testing and in vitro diagnostic test systems |
| ISO/TS 17822-1:2014 | (replaced by ISO 17822:2020) |
| TC 215 | Health informatics |
| ISO/TS 16058:2004 | (replaced by ) |
| JTC 1 | Information technology |
| ISO/IEC 15149:2011 | (replaced by ISO/IEC 15149-1:2014, ISO/IEC 15149-2:2015, ISO/IEC 15149-3:2016, ISO/IEC 15149-4:2016) |
| ISO/IEC 14598-5:1998 | (replaced by ISO/IEC 25041:2012) |
| ISO/IEC TR 24754-2:2011 | (replaced by ) |

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