

# ISO Update

Supplement to ISOfocus

---

January 2021

---

# International Standards in process

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.

## CD registered

Period from 01 December 2020 to 01 January 2021

These documents are currently under consideration in the technical committee.

They have been registered 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
ISO/CD 535	Paper and board — Determination of water absorptiveness — Cobb method
TC 20	Aircraft and space vehicles
ISO/CD 24246	Space systems — Requirements for Global Navigation Satellite System (GNSS) positioning augmentation centers
TC 22	Road vehicles
ISO/CD 13215-3	Road vehicles — Reduction of misuse risk of child restraint systems — Part 3: Prediction and assessment of misuse by Misuse Mode and Effect Analysis (MMEA)
TC 23	Tractors and machinery for agriculture and forestry
ISO/CD 4444	Agricultural sprayers — Recording of Spray Drift Parameters
ISO/CD 23117-1	Agricultural and forestry machinery — Unmanned aerial spraying systems — Part 1: Environmental requirements
ISO/CD 24120-1	Irrigation and drainage equipment and systems — Guideline on the implementation of pressurized irrigation systems — Part 1: General principles of irrigation
TC 34	Food products
ISO/DTS 21569-2	Horizontal methods for molecular biomarker analysis — Methods of analysis for the detection of genetically modified organisms and derived products — Part 2: Construct-specific real-time PCR method for detection of event FP967 in linseed and linseed products
TC 42	Photography

ISO/DTS 18950.2	Imaging materials — Reflection colour photographic images — Indoor light stability specifications for museum display
TC 61	Plastics
ISO/CD 5623	Plastics — Joining of thermoplastic moulded components — Specification for quality levels for imperfections
ISO/CD 4768	Measurement method of anti-biofilm activity on non-porous surfaces
TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries
ISO/DTS 12835	Qualification of casing connections for thermal wells
TC 68	Financial services
ISO/CD 5009	Official Organizational Roles
TC 70	Internal combustion engines
ISO/CD 6826	Reciprocating internal combustion engines — Fire protection
ISO/CD 4548-13	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 13: Static burst pressure test for composite filter housings
ISO/CD 4548-15	Methods of test for full-flow lubricating oil filters for internal combustion engines — Part 15: Vibration fatigue test for composite filter housings
TC 86	Refrigeration and air-conditioning
ISO/CD 16494	Heat recovery ventilators and energy recovery ventilators — Method of test for performance
TC 93	Starch (including derivatives and by-products)
ISO/CD 24683	High fructose syrup- Specifications and test methods
TC 96	Cranes
ISO/CD 12210.2	Cranes — Anchoring devices for in-service and out-of-service conditions
TC 106	Dentistry
ISO/CD 24395	Dentistry- Cavity classification for tooth restorative materials
TC 117	Fans
ISO/CD 24660	Fans — Determination of airflow propelled through an open personnel door by a positive pressure ventilator
TC 121	Anaesthetic and respiratory equipment
ISO/CD 10651-4	Lung ventilators — Part 4: Particular requirements for user-powered resuscitators
TC 127	Earth-moving machinery
ISO/DTR 6750-2	Earth-moving machinery — Operator's manual — Part 2: List of references
TC 130	Graphic technology
ISO/CD 28178	Graphic technology — Exchange format for colour and process control data using XML or ASCII text
TC 138	Plastics pipes, fittings and valves for the transport of fluids
ISO/CD 4437-1	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 1: General
ISO/CD 4437-2	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 2: Pipes

ISO/CD 4437-3	Plastics piping systems for the supply of gaseous fuels — Polyethylene (PE) — Part 3: Fittings	TC 276	Biotechnology
ISO/CD 4437-5	Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) — Part 5: Fitness for purpose of the system	ISO/CD 24421	Biotechnology — Minimum requirements for optical signal measurements in photometric methods for biological samples
ISO/DTS 10986.2	Plastics piping systems — Glass-reinforced thermosetting plastics (GRP) pipes — System design of above ground pipe and joint installations without end thrust	TC 281	Fine bubble technology
TC 154	Processes, data elements and documents in commerce, industry and administration	ISO/DTR 23016-3.2	Fine bubble technology - Agricultural applications — Part 3: Guideline of minimum viable number concentration of ultrafine bubbles for promoting the germination of barley seeds
ISO 8601-1:2019/CD Amd 1	Date and time — Representations for information interchange — Part 1: Basic rules — Amendment 1	TC 282	Water reuse
ISO/CD 9735-11	Electronic data interchange for administration, commerce and transport (EDIFACT) — Application level syntax rules (Syntax version number: 4, Syntax release number: 1) — Part 11: Version 3 compatible profile for Version 4 of ISO 9735	ISO/CD 24297	Guidance for the treatment and reuse of leachate from municipal solid waste incineration
TC 184	Automation systems and integration	TC 292	Security and resilience
ISO/IEC DTR 63306-2	Smart Manufacturing Standards Map — Part 2: Catalogue	ISO/CD 22328-3	Security and resilience — Emergency management — Part 3: Guidelines for the implementation of a community-based tsunami early warning system
ISO/DTS 8000-82	Data quality — Part 82: Data quality assessment: Creating data rules	TC 297	Waste collection and transportation management
TC 189	Ceramic tile	ISO/CD 24160	Refuse Collection Vehicles — Odour and Leachate Control
ISO/DTS 17870-3	Ceramic tiles — Guidelines for installation — Part 3: Installation of large format porcelain tiles and panels by mechanical means onto a supporting structure	TC 304	Healthcare organization management
TC 190	Soil quality	ISO/CD 5258	Standard Protocol of Drive—through Screening Station for Infectious Disease Control
ISO/CD 18400-301	Soil quality — Sampling — Part 301: Sampling and measuring of volatiles in soil quality field investigations	ISO/CD 5472	Standard protocols of walk-through screening stations for infectious disease control
ISO/CD 24212	Remediation techniques applied at contaminated sites	JTC 1	Information technology
TC 198	Sterilization of health care products	ISO/IEC CD 7816-11.3	Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods
ISO 11607-1:2019/CD Amd 1	Packaging for terminally sterilized medical devices — Part 1: Requirements for materials, sterile barrier systems and packaging systems — Amendment 1	ISO/IEC DTR 30117.2	Information technology — Guide to standards and applications for the integration of biometrics and ICC
ISO/CD 13004	Sterilization of health care products — Radiation — Substantiation of selected sterilization dose: Method V <sub>DmaxSD</sub>	ISO/IEC CD 4922-1	Information security — Secure multiparty computation — Part 1: General
TC 204	Intelligent transport systems	ISO/IEC CD 29192-8	Information security — Lightweight cryptography — Part 8: Authenticated encryption
ISO/DTR 4286	Intelligent transport systems — Use cases for sharing of probe data	ISO/IEC DTR 19583-24	Information technology — Concepts and usage of metadata — Part 24: 11179-3:2013 Metadata model in RDF
ISO/DTR 4445	Intelligent transport systems — Mobility integration — Role model of ITS service application	ISO/IEC CD 21838-3	Information technology — Top-level ontologies — Part 3: Descriptive ontology for linguistic and cognitive engineering (DOLCE)
TC 205	Building environment design	ISO/IEC CD 21838-4	Information technology — Top-level ontologies — Part 4: TUpper
ISO/DTS 23764	Approach for non-residential Zero Energy Buildings (ZEB)	ISO/IEC DTS 20000-11	Information technology — Service management — Part 11: Guidance on the relationship between ISO/IEC 20000-1 and service management frameworks: ITIL®
TC 207	Environmental management	ISO/IEC DTR 24027	Information technology — Artificial Intelligence (AI) — Bias in AI systems and AI aided decision making
ISO/CD 14017	Environmental management - Requirements with guidance for verification and validation of water statements		
TC 215	Health informatics		
ISO/DTS 23535	Health informatics — Requirements for customer-oriented health cloud service agreements		
TC 261	Additive manufacturing		
ISO/ASTM CD TS 52930	Additive Manufacturing — Qualification principles — Installation, operation and performance (IQ/OQ/PQ) of PBF-LB equipment		

## DIS circulated

Period from 01 December 2020 to 01 January 2021

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 23	Tractors and machinery for agriculture and forestry	
			ISO 17962:2015/DAmd 1	Agricultural machinery — Equipment for sowing — Minimization of the environmental effects of fan exhaust from pneumatic systems — Amendment 1	2021-03-19
PC 325	Sex toys - Design and safety requirements for products in direct contact with genitalia, the anus, or both		ISO/DIS 7293	Forestry machinery — Portable chain-saws — Engine performance and fuel consumption	2021-03-02
ISO/DIS 3533	Sex toys — Design and safety requirements for products in direct contact with genitalia, the anus, or both	2021-03-17	ISO/DIS 8893	Forestry machinery — Portable brush-cutters and grass-trimmers — Engine performance and fuel consumption (Revision of ISO 7293:1997)	2021-03-02
TC 5	Ferrous metal pipes and metallic fittings		TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources	
ISO/DIS 21052	Restrained joint systems for ductile iron pipelines — Calculation rules for lengths to be restrained	2021-03-23	ISO 3837:1993/DAmd 1	Liquid petroleum products — Determination of hydrocarbon types — Fluorescent indicator adsorption method — Amendment 1	2021-03-22
TC 8	Ships and marine technology		ISO/DIS 11007-1	Petroleum products and lubricants — Determination of rust-prevention characteristics of lubricating greases — Part 1: Dynamic wet conditions (Revision of ISO 11007:1997)	2021-03-01
ISO/DIS 11711-2	Ships and marine technology — Aquatic nuisance species — Part 2: Ballast water sample collection and handling	2021-02-24	ISO/DIS 11009	Petroleum products and lubricants — Determination of water washout characteristics of lubricating greases (Revision of ISO 11009:2000)	2021-03-11
ISO/DIS 24060	Ships and marine technology — Software maintenance requirements of shipboard equipment	2021-03-15	TC 34	Food products	
TC 10	Technical product documentation		ISO/DIS 4134	Meat and meat products — Determination of L-(+)-glutamic acid content — Reference method (Revision of ISO 4134:1999)	2021-02-23
IEC/DIS 81346-1	Industrial systems, installations and equipment and industrial products — Structuring principles and reference designations — Part 1: Basic rules (Revision of IEC 81346-1:2009)	2021-02-26	ISO/DIS 23776	Meat and meat products — Determination of total phosphorus content	2021-02-24
TC 20	Aircraft and space vehicles		ISO/DIS 23854	Fermented meat products — Specification	2021-03-15
ISO/DIS 12604-2	Aircraft ground handling — Checked-in baggage — Part 2: Handling guidelines	2021-03-23	ISO/DIS 6079	Instant tea in solid form — Specification	2021-03-15
ISO/DIS 12604-3	Aircraft ground handling — Checked-in baggage — Part 3: Workstation ergonomics	2021-03-25	ISO/DIS 6321	Animal and vegetable fats and oils — Determination of melting point in open capillary tubes (slip point) (Revision of ISO 6321:2002)	2021-02-24
ISO/DIS 14200.2	Space environment (natural and artificial) — Process-based implementation of meteoroid and debris environment models (orbital altitudes below GEO + 2 000 km) (Revision of ISO 14200:2012)	2021-02-05	ISO/DIS 18363-4	Animal and vegetable fats and oils — Determination of fatty-acid-bound chloropropanediols (MCPDs) and glycidol by GC/MS — Part 4: Method using fast alkaline transesterification and measurement for 2-MCPD, 3-MCPD and glycidol by GC-MS/MS	2021-03-04
ISO/DIS 23569	Space systems — Spacecraft system level (RF) performance test in compact range	2021-03-10			
TC 22	Road vehicles				
ISO/DIS 20078-1	Road vehicles — Extended vehicle (ExVe) web services — Part 1: Content	2021-03-09			
ISO/DIS 6469-3	Electrically propelled road vehicles — Safety specifications — Part 3: Electrical safety	2021-03-08			
	(Revision of ISO 6469-3:2018)				

TC 37	Language and terminology			TC 61	Plastics		
ISO/DIS 24613-5	Language resource management — Lexical markup framework (LMF) — Part 5: Lexical base exchange (LBX) serialization (Revision of ISO 24613:2008)	2021-03-15		ISO/DIS 11358-1	Plastics — Thermogravimetry (TG) of polymers — Part 1: General principles  (Revision of ISO 11358-1:2014)	2021-03-03	
TC 38	Textiles			ISO 4892-2:2013/DAmD 1	Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps — Amendment 1: Classification of daylight filters	2021-03-15	
ISO/DIS 24461	Textiles — Anti-mosquito performance test method using the attractive blood-feeding apparatus	2021-03-03		TC 67	Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries		
ISO/DIS 6330	Textiles — Domestic washing and drying procedures for textile testing  (Revision of ISO 6330:2012)	2021-03-11		ISO/DIS 21809-2	Petroleum and natural gas industries — External coatings for buried or submerged pipelines used in pipeline transportation systems — Part 2: Single layer fusion-bonded epoxy coatings (Revision of ISO 21809-2:2014)	2021-03-02	
ISO/DIS 2403	Textiles — Cotton fibres — Determination of micronaire value  (Revision of ISO 2403:2014)	2021-03-22		TC 79	Light metals and their alloys		
TC 43	Acoustics			ISO/DIS 8287	Magnesium and magnesium alloys — Unalloyed magnesium — Chemical composition  (Revision of ISO 8287:2011)	2021-03-09	
ISO/DIS 8253-3	Acoustics — Audiometric test methods — Part 3: Speech audiometry  (Revision of ISO 8253-3:2012)	2021-03-02		TC 85	Nuclear energy, nuclear technologies, and radiological protection		
ISO/DIS 10844	Acoustics — Specification of test tracks for measuring sound emitted by road vehicles and their tyres (Revision of ISO 10844:2014)	2021-03-10		ISO/DIS 16796	Nuclear energy — Determination of Gd <sub>2</sub> O <sub>3</sub> content in gadolinium fuel blends and gadolinium fuel pellets by atomic emission spectrometry using an inductively coupled plasma source (ICP-AES) (Revision of ISO 16796:2004)	2021-02-23	
TC 44	Welding and allied processes			TC 94	Personal safety -- Personal protective equipment		
ISO 17633:2017/DAmD 1	Welding consumables — Tubular cored electrodes and rods for gas shielded and non-gas shielded metal arc welding of stainless and heat-resisting steels — Classification — Amendment 1	2021-03-23		ISO 15384:2018/DAmD 1	Protective clothing for firefighters — Laboratory test methods and performance requirements for wildland firefighting clothing — Amendment 1	2021-03-24	
ISO/DIS 4063	Welding, brazing, soldering, cutting, mechanical joining and adhesive bonding — Nomenclature of processes and reference numbers (Revision of ISO 4063:2009)	2021-03-10		TC 127	Earth-moving machinery		
TC 46	Information and documentation			ISO 3164:2013/DAmD 1	Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume — Amendment 1	2021-03-26	
ISO/DIS 18626	Information and documentation — Interlibrary Loan Transactions  (Revision of ISO 18626:2017)	2021-03-03		TC 131	Fluid power systems		
TC 48	Laboratory equipment			ISO/DIS 12151-3	Connections for hydraulic fluid power and general use — Hose fittings — Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends (Revision of ISO 12151-3:2010)	2021-03-08	
ISO/DIS 4803	Laboratory glassware — Borosilicate glass tubing  (Revision of ISO 4803:1978)	2021-03-22		ISO/DIS 15086-3	Hydraulic fluid power — Determination of the fluid-borne noise characteristics of components and systems — Part 3: Measurement of hydraulic impedance (Revision of ISO 15086-3:2008)	2021-03-01	
TC 58	Gas cylinders			TC 134	Fertilizers, soil conditioners and beneficial substances		
ISO/DIS 11114-2	Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 2: Non-metallic materials (Revision of ISO 11114-2:2013)	2021-03-03					
ISO/DIS 11114-5	Gas cylinders — Compatibility of cylinder and valve materials with gas contents — Part 5: Test methods for evaluating plastic liners	2021-03-03					

ISO/DIS 20917	Determination of available phosphorous and soluble potassium extracted with neutral ammonium citrate and quantified by ICP-OES	2021-03-15	ISO/DIS 25539-4	Cardiovascular implants — Endovascular devices — Part 4: Application of ISO 17327-1 for coated endovascular devices	2021-03-01
TC 136	Furniture		TC 163	Thermal performance and energy use in the built environment	
ISO/DIS 4211-5	Furniture — Tests for surface finishes — Part 5: Assessment of resistance to abrasion	2021-02-24	ISO 9869-2:2018/DAmD 1	Thermal insulation — Building elements — In-situ measurement of thermal resistance and thermal transmittance — Part 2: Infrared method for frame structure dwelling — Amendment 1: Example of calculation of uncertainty analysis	2021-03-15
TC 145	Graphical symbols		ISO/DIS 12571	Hygrothermal performance of building materials and products — Determination of hygroscopic sorption properties (Revision of ISO 12571:2013)	2021-03-17
ISO 7010:2019/DAmD 112	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 112: Safety sign F018: Fire alarm flashing light	2021-03-19	ISO/DIS 23327	Hygrothermal performance of building materials and products — Determination of moisture sorption/desorption properties in response to periodic temperature variation	2021-03-04
ISO 7010:2019/DAmD 113	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 113: Safety sign M059: Wear laboratory coat	2021-03-19	TC 172	Optics and photonics	
ISO 7010:2019/DAmD 114	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 114: Safety sign W073: Warning; Large scale fire zone	2021-03-19	ISO/DIS 15798	Ophthalmic implants — Ophthalmic viscosurgical devices  (Revision of ISO 15798:2013/AmD 1:2017, ISO 15798:2013)	2021-03-22
ISO 7010:2019/DAmD 115	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 115: Safety sign W074: Warning; Tornado zone	2021-03-19	TC 184	Automation systems and integration	
ISO 7010:2019/DAmD 116	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 116: Safety sign W075: Warning; Active volcano zone	2021-03-19	ISO/DIS 23218-1	Industrial automation systems and integration — Numerical control systems for machine tools — Part 1: Requirements for numerical control systems	2021-03-04
ISO 7010:2019/DAmD 117	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 117: Safety sign W076: Warning; Debris flow zone	2021-03-19	ISO/DIS 23218-2	Industrial automation systems and integration — Numerical control systems for machine tools — Part 2: Requirements for numerical control system integration	2021-03-04
ISO 7010:2019/DAmD 118	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 118: Safety sign W077: Warning; Flood zone	2021-03-19	TC 198	Sterilization of health care products	
ISO 7010:2019/DAmD 119	Graphical symbols — Safety colours and safety signs — Registered safety signs — Amendment 119: Safety sign W078: Warning; Landslide zone	2021-03-19	ISO/DIS 15883-1	Washer-disinfectors — Part 1: General requirements, terms and definitions and tests  (Revision of ISO 15883-1:2006/AmD 1:2014, ISO 15883-1:2006)	2021-02-26
TC 147	Water quality		TC 204	Intelligent transport systems	
ISO/DIS 10304-4	Water quality — Determination of dissolved anions by liquid chromatography of ions — Part 4: Determination of chlorate, chloride and chlorite in water with low contamination (Revision of ISO 10304-4:1997)	2021-03-22	ISO/DIS 23376	Intelligent transport systems — Vehicle-to-vehicle intersection collision warning systems (VVICW) — Performance requirements and test procedures	2021-03-25
TC 150	Implants for surgery		ISO/DIS 23795-1	Intelligent transport systems — Extracting trip data via nomadic device for estimating CO2 emissions — Part 1: Fuel consumption determination for fleet management	2021-03-23
ISO/DIS 13179-1	Implants for surgery — Coatings on metallic surgical implants — Part 1: Plasma-sprayed coatings derived from unalloyed titanium and TiAl6V4 powders (Revision of ISO 13179-1:2014)	2021-02-23	TC 206	Fine ceramics	
ISO/DIS 22679	Cardiovascular implants — Transcatheter cardiac occluders	2021-03-03			



ISO/DIS 22197-4	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials — Part 4: Removal of formaldehyde (Revision of ISO 22197-4:2013)	2021-03-22	ISO/DIS 24261-2	Fine bubble technology — Elimination method for sample characterization — Part 2: Fine bubble elimination techniques	2021-03-04
ISO/DIS 22197-5	Fine ceramics (advanced ceramics, advanced technical ceramics) — Test method for air-purification performance of semiconducting photocatalytic materials — Part 5: Removal of methyl mercaptan (Revision of ISO 22197-5:2013)	2021-03-22	TC 292	Security and resilience	
TC 211	Geographic information/ Geomatics		ISO/DIS 22329	Security and resilience — Emergency management — Guidelines for the use of social media in emergencies	2021-03-09
ISO/DIS 6709	Standard representation of geographic point location by coordinates  (Revision of ISO 6709:2008, ISO 6709:2008/Cor 1:2009)	2021-03-22	TC 299	Robotics	
TC 215	Health informatics		ISO/DIS 10218-2	Robotics — Safety requirements for robot systems in an industrial environment — Part 2: Robot systems, robot applications and robot cells integration (Revision of ISO 10218-2:2011)	2021-03-05
IEC/DIS 62304.3	Health software — Software life cycle processes  (Revision of IEC 62304:2006, IEC 62304:2006/Amd 1:2015)	2021-03-26	TC 314	Ageing societies	
IEC/DIS 81001-5-1	Health software and health IT systems safety, effectiveness and security — Part 5-1: Security — Activities in the product life cycle	2021-03-03	ISO/DIS 23617	Ageing societies — Guidelines for an age-inclusive workforce	2021-03-03
TC 226	Materials for the production of primary aluminium		JTC 1	Information technology	
ISO/DIS 4443	Cryolite primarily used for the production of aluminium — Determination of elements — Wavelength dispersive X-ray fluorescence spectrometric method using pressed powder tablets	2021-03-11	ISO/IEC DIS 5962	Information Technology — SPD <sup>X</sup> ® Specification V2.2.1	2021-03-02
TC 228	Tourism and related services		ISO/IEC DIS 23510	Information technology — 3D Printing and Scanning — Framework for Additive Manufacturing Service Platform (AMSP)	2021-03-10
ISO/DIS 23405	Tourism and related services — Sustainable tourism — Principles, terminology and Model	2021-03-22	ISO/IEC/IEEE DIS 42010	Software, systems and enterprise — Architecture description  (Revision of ISO/IEC/IEEE 42010:2011)	2021-03-10
TC 249	Traditional Chinese medicine		ISO/IEC DIS 24745	Information security, cybersecurity and privacy protection — Biometric information protection  (Revision of ISO/IEC 24745:2011)	2021-03-17
ISO/DIS 23972	Traditional Chinese Medicine — Zingiber officinale rhizome	2021-03-15	ISO/IEC DIS 27013	Information security, cybersecurity and privacy protection — Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1 (Revision of ISO/IEC 27013:2015)	2021-03-15
TC 256	Pigments, dyestuffs and extenders		ISO/IEC DIS 27070	Information technology — Security techniques — Requirements for establishing virtualized roots of trust	2021-03-08
ISO/DIS 788	Ultramarine pigments  (Revision of ISO 788:1974)	2021-03-22	ISO/IEC DIS 27555	Information security, cybersecurity and privacy protection – Guidelines on personally identifiable information deletion	2021-03-02
TC 281	Fine bubble technology		ISO/IEC DIS 29142-1	Information technology — Print cartridge characterization — Part 1: General: terms, symbols, notations and cartridge characterization framework (Revision of ISO/IEC 29142-1:2013)	2021-03-09
ISO/DIS 20480-3	Fine bubble technology — General principles for usage and measurement of fine bubbles — Part 3: Terminology and methods for the generation of fine bubbles	2021-03-15	ISO/IEC DIS 10918-7	Information technology — Digital compression and coding of continuous-tone still images — Part 7: Reference software (Revision of ISO/IEC 10918-7:2019)	2021-03-22

ISO/IEC DIS 15444-2	Information technology — JPEG 2000 image coding system — Part 2: Extensions  (Revision of ISO/IEC 15444- 2:2004/Amd 2:2006, ISO/IEC 15444-2:2004/Amd 3:2015, ISO/ IEC 15444-2:2004/Amd 4:2015, ISO/IEC 15444-2:2004)	2021-03-22	ISO 15372:2000/ PRF Amd 1	Ships and marine technol- ogy — Inflatable rescue boats — Coated fabrics for inflatable chambers — Amendment 1: Oil- resistance test	
ISO/IEC DIS 21122-1	Information technology — JPEG XS low-latency lightweight image coding system — Part 1: Core coding system (Revision of ISO/IEC 21122-1:2019)	2021-03-22	ISO/FDIS 23577	Ships and marine technology — Cargo securing systems on ships — Vocabulary	2021-02-18
ISO/IEC DIS 21122-3	Information technology — JPEG XS low-latency lightweight image coding system — Part 3: Trans- port and container formats (Revision of ISO/IEC 21122-3:2019)	2021-03-22	ISO 22013	Marine environment sensor performance — Specifications, testing and reporting — General requirements	
ISO/IEC DIS 21794-3	Information technology — Ple- noptic image coding system (JPEG Pleno) — Part 3: Con- formance testing	2021-03-22	TC 10	Technical product documentation	
ISO/IEC DIS 21794-4	Information technology — Ple- noptic image coding system (JPEG Pleno) — Part 4: Refer- ence software	2021-03-17	ISO/FDIS 16792	Technical product documenta- tion — Digital product definition data practices  (Revision of ISO 16792:2015)	2021-02-18
ISO/IEC DIS 15944-21	Information technology — Busi- ness operational view — Part 21: Application of Open-edi business transaction ontology in distributed business transaction repositories	2021-03-03	TC 17	Steel	
ISO/IEC DIS 29120-1	Information technology — Ma- chine readable test data for biometric testing and reporting — Part 1: Test reports (Revision of ISO/IEC 29120-1:2015)	2021-03-01	ISO/FDIS 630-1	Structural steels — Part 1: Gen- eral technical delivery conditions for hot-rolled products  (Revision of ISO 630-1:2011)	2021-02-23
ISO/IEC DIS 30134-8	Information technology — Data centres — Key performance indi- cators — Part 8: Carbon Usage Effectiveness (CUE)	2021-03-22	ISO/FDIS 630-2	Structural steels — Part 2: Technical delivery conditions for structural steels for general purposes (Revision of ISO 630-2:2011)	2021-02-23
ISO/IEC DIS 30134-9	Information technology — Data centres — Key performance in- dicators — Part 9: Water Usage Effectiveness (WUE)	2021-03-22	ISO/FDIS 630-3	Structural steels — Part 3: Technical delivery conditions for fine-grain structural steels  (Revision of ISO 630-3:2012)	2021-02-23
			ISO/FDIS 630-4	Structural steels — Part 4: Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates (Revision of ISO 630-4:2012)	2021-02-23
			TC 20	Aircraft and space vehicles	
			ISO/PRF 22181	Aerospace — Bolts, normal bihexagonal head, normal shank, short or medium length MJ threads, metallic material, coated or uncoated, strength classes less than or equal to 1 100 MPa — Dimensions (Revision of ISO 3185:2008)	2021-02-25
			ISO 23748:2016/ PRF Amd 1	Aerospace fluid systems and components — Variable dis- placement hydraulic motors — General specifications	
			TC 22	Road vehicles	
			ISO 6969:2004/ Amd 1	Road vehicles — Sound sig- nalling devices — Tests after mounting on vehicle — Amend- ment 1	
			ISO/PRF 21612	Road vehicles — Crosstalk determination for multi-axis load cell	
			ISO/FDIS 21498-2	Electrically propelled road vehi- cles — Electrical specifications and tests for voltage class B sys- tems and components — Part 2: Electrical tests for components	2021-02-17

## FDIS circulated

Period from 01 December 2020 to 01 January 2021

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

TC 8	Ships and marine technology				
------	--------------------------------	--	--	--	--



TC 23	Tractors and machinery for agriculture and forestry		ISO/FDIS 24613-3	Language resource management — Lexical markup framework (LMF) — Part 3: Etymological extension (Revision of ISO 24613:2008)	2021-02-18
ISO/FDIS 7915	Forestry machinery — Portable chain-saws — Determination of handle strength	2021-02-02			
	(Revision of ISO 7915:1991)		TC 38	Textiles	
ISO/FDIS 15886-3	Agricultural irrigation equipment — Sprinklers — Part 3: Characterization of distribution and test methods (Revision of ISO 15886-3:2012, ISO 15886-3:2012/Amd 1:2016)	2021-02-18	ISO/FDIS 22818	Textiles — Determination of short-chain chlorinated paraffins (SCCP) and middle-chain chlorinated paraffins (MCCP) in textile products out of different matrices by use of gas chromatography negative ion chemical ionization mass spectrometry (GC-NCI-MS)	2021-02-12
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources		TC 43	Acoustics	
ISO/FDIS 13736	Determination of flash point — Abel closed-cup method	2021-02-22	ISO/TS 11819-3	Acoustics — Measurement of the influence of road surfaces on traffic noise — Part 3: Reference tyres (Revision of ISO/TS 11819-3:2017)	
	(Revision of ISO 13736:2013)		TC 44	Welding and allied processes	
TC 29	Small tools		ISO/FDIS 8205	Resistance welding equipment — Water-cooled secondary connection cables — Dimensions and requirements for double-conductor connection cables (Revision of ISO 8205-1:2002, ISO 8205-3:2012, ISO 8205-2:2002)	2021-02-25
ISO/FDIS 11901-5	Tools for pressing — Gas springs — Part 5: Safety instructions for gas springs	2021-01-29			
TC 31	Tyres, rims and valves		ISO/FDIS 3834-2	Quality requirements for fusion welding of metallic materials — Part 2: Comprehensive quality requirements (Revision of ISO 3834-2:2005)	2021-03-09
ISO/FDIS 18808	Agricultural tyres for construction machines	2021-02-10			
	(Revision of ISO 13442:2004)		ISO/FDIS 3834-3	Quality requirements for fusion welding of metallic materials — Part 3: Standard quality requirements (Revision of ISO 3834-3:2005)	2021-03-09
TC 33	Refractories		ISO/FDIS 3834-4	Quality requirements for fusion welding of metallic materials — Part 4: Elementary quality requirements (Revision of ISO 3834-4:2005)	2021-03-09
ISO/FDIS 23071	Refractory products — Determination of reduced species in carbon containing refractories by XRD	2021-02-17			
TC 34	Food products		ISO/FDIS 17279-3	Welding — Micro joining of second generation high temperature superconductors — Part 3: Test methods for joints	2021-02-03
ISO/FDIS 771	Oilseed meals — Determination of moisture and volatile matter content	2021-02-26			
	(Revision of ISO 771:1977)		TC 45	Rubber and rubber products	
ISO/FDIS 23036-1	Microbiology of the food chain — Methods for the detection of Anisakidae L3 larvae in fish and fishery products — Part 1: UV-press method	2021-02-23	ISO/FDIS 1432	Rubber, vulcanized or thermoplastic — Determination of low-temperature stiffening (Gehman test) (Revision of ISO 1432:2013)	2021-02-08
ISO/FDIS 23036-2	Microbiology of the food chain — Methods for the detection of Anisakidae L3 larvae in fish and fishery products — Part 2: Artificial digestion method	2021-02-23			
TC 35	Paints and varnishes		ISO/FDIS 4664-3	Rubber, vulcanized or thermoplastic — Determination of dynamic properties — Part 3: Glass transition temperature (T <sub>g</sub> )	2021-02-12
ISO/FDIS 3219-2	Rheology — Part 2: General principles of rotational and oscillatory rheometry	2021-02-08			
	(Revision of ISO 3219:1993, ISO 2884-1:1999, ISO 2884-2:2003)		ISO/PRF 6914	Rubber, vulcanized or thermoplastic — Determination of ageing characteristics by measurement of stress relaxation in tension (Revision of ISO 6914:2013)	
ISO/FDIS 28199-1	Paints and varnishes — Evaluation of properties of coating systems related to the spray application process — Part 1: Vocabulary and preparation of test panels (Revision of ISO 28199-1:2009, ISO 28199-1:2009/Cor 1:2009)	2021-02-09			
TC 37	Language and terminology		ISO/FDIS 23075	Vulcanized rubbers — Determination of antidegradants by high-performance liquid chromatography	2021-02-25

TC 61	Plastics		ISO/FDIS 22608	Protective clothing — Protection against liquid chemicals — Measurement of repellency, retention, and penetration of liquid pesticide formulations through protective clothing materials (Revision of ISO 22608:2004)	2021-02-10
ISO/FDIS 23512	Plastics — Joining of thermoplastic moulded components — Specification of variables for thermal joining processes	2021-02-12			
ISO/FDIS 11443	Plastics — Determination of the fluidity of plastics using capillary and slit-die rheometers	2021-01-28	ISO/PRF TR 21808	Guidance on the selection, use, care and maintenance of personal protective equipment (PPE) designed to provide protection for firefighters (Revision of ISO/TR 21808:2009)	
ISO/FDIS 13468-2	Plastics — Determination of the total luminous transmittance of transparent materials — Part 2: Double-beam instrument (Revision of ISO 13468-2:1999)	2021-03-16	TC 106	Dentistry	
ISO/FDIS 23741	Plastics — Determination of spray water delivery during spray cycles when using a xenon arc weathering test apparatus	2021-02-18	ISO/PRF 4823	Dentistry — Elastomeric impression and bite registration materials (Revision of ISO 4823:2015)	
ISO/FDIS 16929	Plastics — Determination of the degree of disintegration of plastic materials under defined composting conditions in a pilot-scale test (Revision of ISO 16929:2019)	2021-02-12	ISO/FDIS 23450	Dentistry — Intraoral camera	2021-02-15
TC 85	Nuclear energy, nuclear technologies, and radiological protection		ISO/FDIS 23940	Dentistry — Excavators	2021-02-12
ISO/FDIS 11665-4	Measurement of radioactivity in the environment — Air: radon-222 — Part 4: Integrated measurement method for determining average activity concentration using passive sampling and delayed analysis (Revision of ISO 11665-4:2020)	2021-02-24		(Revision of ISO 13397-4:1997)	
TC 86	Refrigeration and air-conditioning		TC 107	Metallic and other inorganic coatings	
ISO 5149-3:2014/FDAmD 1	Refrigerating systems and heat pumps — Safety and environmental requirements — Part 3: Installation site — Amendment 1: Update of the requirements for machinery rooms and emergency mechanical ventilation	2021-02-17	ISO/FDIS 4518	Metallic coatings — Measurement of coating thickness — Profilometric method	2021-02-24
ISO/FDIS 22042	Blast chillers and freezers cabinets for professional use — Classification, requirements and test conditions	2021-02-17	ISO/FDIS 23131	Ellipsometry — Principles	2021-02-26
TC 92	Fire safety		TC 120	Leather	
ISO/PRF 3008-4	Fire resistance tests — Door and shutter assemblies — Part 4: Linear joint fire seal materials used to seal the gap between a fire door frame and the supporting construction		ISO/FDIS 20940	Leather — Crust full chrome upper leather — Specifications and test methods	2021-02-26
TC 94	Personal safety -- Personal protective equipment		TC 123	Plain bearings	
ISO/FDIS 19734	Eye and face protection — Guidance on selection, use and maintenance	2021-02-01	ISO/FDIS 6691	Thermoplastic polymers for plain bearings — Classification and designation	2021-02-10
ISO 19918:2017/FDAmD 1	Protective clothing — Protection against chemicals — Measurement of cumulative permeation of chemicals with low vapour pressure through materials — Amendment 1: Extraction and chemical analysis	2021-01-27	ISO/FDIS 16287	Plain bearings — Thermoplastic bushes — Dimensions and tolerances	2021-02-23
				(Revision of ISO 6691:2000)	
			TC 127	Earth-moving machinery	
			ISO 12511:1997/FDAmD 1	Earth-moving machinery — Hour meters — Amendment 1	2021-02-09
			TC 131	Fluid power systems	
			ISO/FDIS 19879	Metallic tube connections for fluid power and general use — Test methods for hydraulic fluid power connections (Revision of ISO 19879:2010)	2021-02-03
			ISO/PRF TR 4808	Hydraulic fluid power – Interpolation method for particle count and filter test data	

ISO/PRF TR 4813	Hydraulic fluid power — Background, impact and use of ISO 11171:2020 on particle count and filter test data		ISO 14490-10	Optics and photonics — Test methods for telescopic systems — Part 10: Test methods for axial colour performance	
TC 138	Plastics pipes, fittings and valves for the transport of fluids		TC 173	Assistive products	
ISO 11296-4:2018/PRF Amd 1	Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks — Part 4: Lining with cured-in-place pipes — Amendment 1: Updated definitions, marking requirements and procedure for alternative expression of flexural test results		ISO 10542-1:2012/FDAmD 1	Technical systems and aids for disabled or handicapped persons — Wheelchair tiedown and occupant-restraint systems — Part 1: Requirements and test methods for all systems — Amendment 1: Annexes K, L, M	2021-02-26
ISO/FDIS 11298-4	Plastics piping systems for renovation of underground water supply networks — Part 4: Lining with cured-in-place pipes	2021-02-17	ISO 17190-2	Urine-absorbing aids for incontinence — Polyacrylate superabsorbent powders — Part 2: Test method for determination of the amount of residual acrylate monomers (Revision of ISO 17190-2:2001)	
TC 146	Air quality		TC 184	Automation systems and integration	
ISO/FDIS 23431	Measurement of road tunnel air quality	2021-02-04	ISO/PRF 10303-1	Industrial automation systems and integration — Product data representation and exchange — Part 1: Overview and fundamental principles (Revision of ISO 10303-1:1994)	
TC 154	Processes, data elements and documents in commerce, industry and administration		ISO/PRF 10303-210	Industrial automation systems and integration — Product data representation and exchange — Part 210: Application protocol: Electronic assembly, interconnect and packaging design (Revision of ISO 10303-210:2014)	
ISO/PRF 15000-1	Electronic business eXtensible Markup Language (eXML) — Part 1: Messaging service core specification		TC 188	Small craft	
ISO/PRF 15000-2	Electronic business eXtensible Markup Language (eXML) — Part 2: Applicability Statement (AS) profile of eXML messaging service		ISO/FDIS 8847	Small craft — Steering gear — Cable over pulley systems	2021-02-04
TC 163	Thermal performance and energy use in the built environment			(Revision of ISO 8847:2004)	
ISO/PRF 21901	Thermal insulation — Test method for thermal diffusivity — Periodic heat method		ISO/FDIS 11592-2	Small craft — Determination of maximum propulsion power rating using manoeuvring speed — Part 2: Craft with a length of hull between 8 m and 24 m (Revision of ISO 11592-2:2019)	2021-03-23
TC 172	Optics and photonics		ISO/PRF 12133	Small craft — Carbon monoxide (CO) detection systems and alarms (Revision of ISO 12133:2011)	
ISO/FDIS 15368	Optics and photonics — Measurement of reflectance of plane surfaces and transmittance of plane parallel elements (Revision of ISO 15368:2001)	2021-02-24	TC 190	Soil quality	
ISO/PRF 14132-3	Optics and photonics — Vocabulary for telescopic systems — Part 3: Terms for telescopic sights (Revision of ISO 14132-3:2014)		ISO/FDIS 10390	Soil, sludge and treated bio-waste – Determination of pH	2021-02-11
ISO/PRF 14135-1	Optics and photonics — Specifications for telescopic sights — Part 1: General-purpose instruments (Revision of ISO 14135-1:2017)			(Revision of ISO 10390:2005)	
ISO/PRF 14135-2	Optics and photonics — Specifications for telescopic sights — Part 2: High-performance instruments (Revision of ISO 14135-2:2017)		TC 198	Sterilization of health care products	
ISO/FDIS 14490-3	Optics and photonics — Test methods for telescopic systems — Part 3: Test methods for telescopic sights (Revision of ISO 14490-3:2016)	2021-02-18	ISO/FDIS 15883-5	Washer-disinfectors — Part 5: Performance requirements and test method criteria for demonstrating cleaning efficacy (Revision of ISO/TS 15883-5:2005)	2021-01-27
			ISO/PRF 17664-2	Processing of health care products — Information to be provided by the medical device manufacturer for the processing of medical devices — Part 2: Non-critical medical devices	
			TC 199	Safety of machinery	

ISO/TR 22053	Safety of machinery — Supporting protective system		TC 244	Industrial furnaces and associated processing equipment	
ISO/PRF TR 22100-5	Safety of machinery — Relationship with ISO 12100 — Part 5: Implications of embedded artificial intelligence machine learning		ISO/FDIS 23495	Industrial furnaces and associated processing equipment — Safety requirements for steel converter and associated equipment	2021-02-24
TC 201	Surface chemical analysis		TC 256	Pigments, dyestuffs and extenders	
ISO/FDIS 22581	Surface chemical analysis — Data management and treatment - Near real time information from the X-ray photoelectron spectroscopy survey scan — Rules for identification of, and correction for surface contamination by carbon-containing compounds	2021-02-08	ISO/FDIS 3262-19	Extenders — Specifications and methods of test — Part 19: Precipitated silica	2021-02-18
ISO/FDIS 14707	Surface chemical analysis — Glow discharge optical emission spectrometry (GD-OES) — Introduction to use (Revision of ISO 14707:2015)	2021-01-29	ISO/FDIS 3262-20	Extenders — Specifications and methods of test — Part 20: Fumed silica	2021-02-18
TC 205	Building environment design		TC 264	Fireworks	
ISO/PRF 22185-1	Diagnosing moisture damage in buildings and implementing countermeasures — Part 1: Principles, nomenclature and moisture transport mechanisms		ISO/PRF 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)	
TC 211	Geographic information/ Geomatics		ISO/PRF 22863-7	Fireworks — Test methods for determination of specific chemical substances — Part 7: Chlorates content by chemical titration analysis	
ISO 19135-1:2015/Amd 1	Geographic information — Procedures for item registration — Part 1: Fundamentals — Amendment 1		ISO/PRF 22863-8	Fireworks — Test methods for determination of specific chemical substances — Part 8: Arsenic content by hydride generation atomic fluorescence spectrometry	
TC 215	Health informatics		ISO/PRF 22863-9	Fireworks — Test methods for determination of specific chemical substances — Part 9: Mercury content by hydride generation atomic fluorescence spectrometry	
ISO/FDIS 17090-3	Health informatics — Public key infrastructure — Part 3: Policy management of certification authority (Revision of ISO 17090-3:2008)	2021-01-28	ISO/PRF 22863-10	Fireworks — Test methods for determination of specific chemical substances — Part 10: Nitrogen content in nitrocellulose by Iron(II) sulfate titration	
ISO/FDIS 27269	Health informatics — International patient summary	2021-02-17	TC 269	Railway applications	
ISO/FDIS 81001-1	Health software and health IT systems safety, effectiveness and security — Part 1: Principles and concepts	2021-02-09	ISO/FDIS 22074-2	Railway infrastructure — Rail fastening systems — Part 2: Test method for longitudinal rail restraint	2021-02-24
TC 224	Service activities relating to drinking water supply, wastewater and stormwater systems		ISO/FDIS 22074-3	Railway infrastructure — Rail fastening systems — Part 3: Proof load test method for pull-out resistance	2021-02-24
ISO/FDIS 24528	Service activities relating to drinking water supply, wastewater and stormwater systems — Guideline for a water loss investigation of drinking water distribution networks	2021-01-27	ISO/FDIS 22074-6	Railway infrastructure — Rail fastening systems — Part 6: Test method for resistance to severe environmental conditions	2021-02-24
TC 227	Springs		TC 283	Occupational health and safety management	
ISO/FDIS 22705-1	Springs — Measurement and test parameters — Part 1: Cold formed cylindrical helical compression springs	2021-02-17	ISO/PAS 45005:2020	Occupational health and safety management — General guidelines for safe working during the COVID-19 pandemic	
TC 238	Solid biofuels				
ISO/FDIS 17225-1	Solid biofuels — Fuel specifications and classes — Part 1: General requirements	2021-02-02			
	(Revision of ISO 17225-1:2014)				

TC 300	Solid recovered materials, including solid recovered fuels		ISO/IEC PRF TS 27570	Privacy protection — Privacy guidelines for smart cities	
ISO/FDIS 21654	Solid recovered fuels — Determination of calorific value	2021-02-18	ISO/IEC 23000-22:2019/FDAmD 1	Information technology — Multimedia application format (MPEG-A) — Part 22: Multi-image application format (MIAF) — Amendment 1: Reference software and conformance for multi-image application format	2021-02-01
ISO/FDIS 21656	Solid recovered fuels — Determination of ash content	2021-02-05	ISO/IEC PRF 23761	Digital publishing — EPUB accessibility — Conformance and discoverability requirements for EPUB publications	
ISO/FDIS 21660-3	Solid recovered fuels — Determination of moisture content using the oven dry method — Part 3: Moisture in general analysis sample	2021-02-05	ISO/IEC FDIS 39794-6	Information technology — Extensible biometric data interchange formats — Part 6: Iris image data	2021-02-01
ISO/FDIS 22167	Solid recovered fuels — Determination of content of volatile matter	2021-02-08	ISO/IEC FDIS 30134-6	Information technology — Data centres key performance indicators — Part 6: Energy Reuse Factor (ERF)	2021-02-12
TC 309	Governance of organizations				
ISO/FDIS 37301	Compliance management systems — Requirements with guidance for use	2021-02-26			
JTC 1	Information technology				
ISO/IEC PRF TR 33017	Information technology — Process assessment — Framework for assessor training				
ISO/IEC 14443-2:2020/FDAmD 1	Cards and security devices for personal identification — Contactless proximity objects — Part 2: Radio frequency power and signal interface — Amendment 1: Dynamic power level management	2021-02-22			
ISO/IEC 14882:2020	Programming languages — C++				
ISO/IEC PRF 29121	Information technology — Digitally recorded media for information interchange and storage — Data migration method for optical disks for long-term data storage (Revision of ISO/IEC 29121:2018)				Price group
ISO/IEC 11770-4:2017/PRF Amd 2	Information technology — Security techniques — Key management — Part 4: Mechanisms based on weak secrets — Amendment 2: Leakage-resilient password-authenticated key agreement with additional stored secrets				C
ISO/IEC 20008-2:2013/PRF Amd 1	Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 1: Information technology — Security techniques — Anonymous digital signatures — Part 2: Mechanisms using a group public key — Amendment 1				B
ISO/IEC TS 27110	Information technology, cybersecurity and privacy protection — Cybersecurity framework development guidelines				C
<hr/> <b>Standards published</b> <hr/>					
New International Standards published between 01 December 2020 and 01 January 2021					
<sup>1</sup> delayed publication of language version					
<sup>2</sup> corrected version					
<sup>3</sup> multilingual document					
TC 6	Paper, board and pulps				
ISO/TS 21331:2020	en fr		Graphic technology and deinked pulp — Guidance for assessing the deinking performance of printed paper products		C
ISO 21436:2020	en		Pulps — Determination of lignin content — Acid hydrolysis method		B
ISO 21437:2020	en		Pulps — Determination of carbohydrate composition		C
TC 8	Ships and marine technology				
ISO 24041:2020	en		Ships and marine technology — Shark jaws and towing pins		B
TC 17	Steel				
ISO 14404-4:2020	en		Calculation method of carbon dioxide emission intensity from iron and steel production — Part 4: Guidance for using the ISO 14404 series		F
ISO/TS 10719:2016	fr		Cast irons — Determination of non-combined carbon content — Infrared absorption method after combustion in an induction furnace		C



ISO 6306:2020	en	Chemical analysis of steel — Order of listing elements in steel standards	A	ISO 22553-4:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 4: Compatibility of electro-deposition coating materials with liquid, paste-like and solid foreign materials	B
ISO 23825:2020	en	Method for evaluating the nodularity of spheroidal carbides — Steels for cold heading and cold extruding	D	ISO 22553-5:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 5: Determination of sieve residue	A
TC 20		Aircraft and space vehicles					
ISO 3353-1:2020	en	Aerospace — Lead and runout threads — Part 1: Rolled external threads	B	ISO 22553-6:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 6: Entry marks	A
ISO 3353-2:2020	en	Aerospace — Lead and runout threads — Part 2: Internal threads	A	ISO 22557:2019	fr	Paints and varnishes — Scratch test using a spring-loaded pen	C
TC 22		Road vehicles					
ISO/TR 4804:2020	en	Road vehicles — Safety and cybersecurity for automated driving systems — Design, verification and validation	H	ISO 22969:2019	fr	Paints and varnishes — Determination of solar reflectance	C
ISO 8820-10:2020	en	Road vehicles — Fuse-links — Part 10: Fuse-links with tabs Type L (high current miniature)	B	ISO 22970:2019	fr	Paints and varnishes — Test method for evaluation of adhesion of elastic adhesives on coatings by peel test, peel strength test and tensile lap-shear strength test with additional stress by condensation test or cata-plasm storage	D
TC 28		Petroleum and related products, fuels and lubricants from natural or synthetic sources					
ISO 4259-1:2017/Amd 2:2020	en	Petroleum and related products — Precision of measurement methods and results — Part 1: Determination of precision data in relation to methods of test — Amendment 2: Updating definition of r and R	XZ	ISO 23168:2019	fr	Paints and varnishes — Determination of water content — Gas-chromatographic method	B
				ISO 23321:2019	fr	Solvents for paints and varnishes — Demineralized water for industrial applications — Specification and test methods	A
TC 34		Food products		TC 37		Language and terminology	
ISO 21470:2020	fr	Infant formula and adult nutritionals — Simultaneous determination of total vitamins B1, B2, B3 and B6 — Enzymatic digestion and LC-MS/MS	E	ISO 24617-2:2020	en	Language resource management — Semantic annotation framework (SemAF) — Part 2: Dialogue acts	H
ISO 24220:2020	en	Pao cai (salted fermented vegetables) — Specification and test methods	A	ISO 21998:2020	en fr	Interpreting services — Healthcare interpreting — Requirements and recommendations	C
TC 35		Paints and varnishes		TC 38		Textiles	
ISO 20266:2018	fr	Paints and varnishes — Determination of image clarity (degree of sharpness of reflected or transmitted image)	B	ISO 1833-22:2020	en fr	Textiles — Quantitative chemical analysis — Part 22: Mixtures of viscose or certain types of cupro or modal or lyocell with flax fibres (method using formic acid and zinc chloride)	A
ISO 21546:2019	fr	Paints and varnishes — Determination of the resistance to rubbing using a linear abrasion tester (crockmeter)	C	ISO 21765:2020	en fr	Textiles — Determination of fabric deformability by forced mechanical distension	D
ISO 22518:2019	fr	Paints and varnishes — Determination of solvents in water-thinnable coating materials — Gas-chromatographic method	B	TC 42		Photography	
ISO 22553-1:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 1: Vocabulary	A	ISO 12231-1:2020	en	Photography — Electronic still picture imaging terminology — Part 1: Supplemental vocabulary	A
ISO 22553-2:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 2: Throwing power	C	TC 43		Acoustics	
ISO 22553-3:2019	fr	Paints and varnishes — Electro-deposition coatings — Part 3: Compatibility of electro-deposition coating materials with a reference oil	A	ISO 2922:2020	en fr	Acoustics — Measurement of airborne sound emitted by vessels on inland waterways and harbours	B
				ISO 717-1:2020	en fr	Acoustics — Rating of sound insulation in buildings and of building elements — Part 1: Airborne sound insulation	D



ISO 717-2:2020	en fr	Acoustics — Rating of sound insulation in buildings and of building elements — Part 2: Impact sound insulation	D	ISO 23467:2020	en	Ice plug isolation of piping in nuclear power plant	C
TC 45		Rubber and rubber products		TC 92		Fire safety	
ISO 3949:2020	en fr	Plastics hoses and hose assemblies — Textile-reinforced types for hydraulic applications — Specification	C	ISO 20414:2020	fr	Fire safety engineering — Verification and validation protocol for building fire evacuation models	G
TC 54		Essential oils		TC 96		Cranes	
ISO 19332:2020	en fr	Essential oil of matricaria [Matricaria chamomilla L. syn. Chamomilla recutita (L.) Rauschert]	A	ISO 4301-2:2020	en	Cranes — Classification — Part 2: Mobile cranes	B
TC 58		Gas cylinders		TC 113		Hydrometry	
ISO 7866:2012/ Amd 1:2020	en fr	Gas cylinders — Refillable seamless aluminium alloy gas cylinders — Design, construction and testing — Amendment 1	XZ	ISO 25377:2020	en fr	Hydrometric uncertainty guidance (HUG)	G
TC 59		Buildings and civil engineering works		TC 130		Graphic technology	
ISO 10845-1:2020	en	Construction procurement — Part 1: Processes, methods and procedures	H	ISO/TS 15311-1:2020	en	Graphic technology — Requirements for printed matter for commercial and industrial production — Part 1: Measurement methods and reporting schema	F
ISO 10845-2:2020	en	Construction procurement — Part 2: Formatting and compilation of procurement documentation	F	ISO/TS 18621-31:2020	en	Graphic technology — Image quality evaluation methods for printed matter — Part 31: Evaluation of the perceived resolution of printing systems with the Contrast-Resolution chart	E
TC 61		Plastics		TC 133		Clothing sizing systems - size designation, size measurement methods and digital fittings	
ISO 10093:2020	en	Plastics — Fire tests — Standard ignition sources	F	ISO 20947-2:2020	en	Performance evaluation protocol for digital fitting systems — Part 2: Virtual garment	E
ISO 22838:2020	en	Composites and reinforcements fibres — Determination of the fracture energy of bonded plates of carbon fibre reinforced plastics (CFRPs) and metal using double cantilever beam specimens	D	TC 138		Plastics pipes, fittings and valves for the transport of fluids	
TC 67		Materials, equipment and offshore structures for petroleum, petrochemical and natural gas industries		ISO 15875- 2:2003/Amd 2:2020	fr	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 2: Pipes — Amendment 2	XZ
ISO 27509:2020	en	Petroleum and natural gas industries — Compact flanged connections with IX seal ring	H	ISO 15875- 3:2003/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 3: Fittings — Amendment 1	XZ
TC 69		Applications of statistical methods		ISO 15875- 5:2003/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Crosslinked polyethylene (PE-X) — Part 5: Fitness for purpose of the system — Amendment 1	XZ
ISO 22514-3:2020	en	Statistical methods in process management — Capability and performance — Part 3: Machine performance studies for measured data on discrete parts	D	ISO 15876- 2:2017/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 2: Pipes — Amendment 1	XZ
TC 85		Nuclear energy, nuclear technologies, and radiological protection		ISO 15876- 3:2017/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 3: Fittings — Amendment 1	XZ
ISO 11665-8:2019	fr	Measurement of radioactivity in the environment — Air: radon-222 — Part 8: Methodologies for initial and additional investigations in buildings	D	ISO 15876- 5:2017/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Polybutene (PB) — Part 5: Fitness for purpose of the system — Amendment 1	XZ
ISO 20042:2019	fr	Measurement of radioactivity — Gamma-ray emitting radionuclides — Generic test method using gamma-ray spectrometry	F	ISO 15877- 2:2009/Amd 2:2020	en fr	Plastics piping systems for hot and cold water installations — Chlorinated poly(vinyl chloride) (PVC-C) — Part 2: Pipes — Amendment 2	XZ

ISO 15877-5:2009/Amd 2:2020	fr	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	TC 183		Copper, lead, zinc and nickel ores and concentrates	
ISO 22391-2:2009/Amd 1:2020	fr	Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 2: Pipes — Amendment 1	XZ	ISO 12742:2020	en	Copper, lead and zinc sulfide concentrates — Determination of transportable moisture limits — Flow-table method	D
ISO 22391-3:2009/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 3: Fittings — Amendment 1	XZ	TC 184		Automation systems and integration	
ISO 22391-5:2009/Amd 1:2020	en fr	Plastics piping systems for hot and cold water installations — Polyethylene of raised temperature resistance (PE-RT) — Part 5: Fitness for purpose of the system — Amendment 1	XZ	ISO/IEC TR 63306-1:2020	en	Smart manufacturing standards map (SM2) — Part 1: Framework	BA
TC 147		Water quality		TC 188		Small craft	
ISO 5667-1:2020	en fr	Water quality — Sampling — Part 1: Guidance on the design of sampling programmes and sampling techniques	F	ISO 8099-2:2020	en fr	Small craft — Waste systems — Part 2: Sewage treatment systems	B
TC 156		Corrosion of metals and alloys		ISO 8848:2020	en fr	Small craft — Remote mechanical steering systems	D
ISO 23123:2020	en	Corrosion control engineering life cycle — General requirements	B	ISO 8849:2020	en fr	Small craft — Electrically operated bilge pumps	A
ISO 23221:2020	en	Pipeline corrosion control engineering life cycle — General requirements	B	ISO 9093:2020	en fr	Small craft — Seacocks and through-hull fittings	B
ISO 23222:2020	en	Corrosion control engineering life cycle — Risk assessment	D	ISO 13297:2020	en fr	Small craft — Electrical systems — Alternating and direct current installations	E
TC 158		Analysis of gases		ISO 16147:2020	en fr	Small craft — Inboard diesel engines — Engine-mounted fuel, oil and electrical components	A
ISO 6142-1:2015/Amd 1:2020	en fr	Gas analysis — Preparation of calibration gas mixtures — Part 1: Gravimetric method for Class I mixtures — Amendment 1: Corrections to formulae in Annex E and Annex G	XZ	ISO 23411:2020	en fr	Small craft — Steering wheels	B
ISO 12963:2017/Amd 1:2020	en fr	Gas analysis — Comparison methods for the determination of the composition of gas mixtures based on one- and two-point calibration — Amendment 1: Correction to Formula 5	XZ	TC 190		Soil quality	
TC 159		Ergonomics		ISO 23753-1:2019/Amd 1:2020	fr	Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) — Amendment 1: Soil quality — Determination of dehydrogenases activity in soils — Part 1: Method using triphenyltetrazolium chloride (TTC) - Amendment 1	XZ
ISO 9241-971:2020	en	Ergonomics of human-system interaction — Part 971: Accessibility of tactile/haptic interactive systems	D	TC 195		Building construction machinery and equipment	
TC 171		Document management applications		ISO 21573-2:2020	en	Building construction machinery and equipment — Concrete pumps — Part 2: Procedure for examination of technical parameters	F
ISO 21757-1:2020	en	Document management — ECMAScript for PDF — Part 1: Use of ISO 32000-2 (PDF 2.0)	H	TC 204		Intelligent transport systems	
ISO 32000-2:2020	en	Document management — Portable document format — Part 2: PDF 2.0	H	ISO 20530-1:2020	en	Intelligent transport systems — Information for emergency service support via personal ITS station — Part 1: General requirements and technical definition	C
TC 172		Optics and photonics		ISO 21217:2020	en	Intelligent transport systems — Station and communication architecture	G
ISO 19986:2020	en fr	Lasers and laser-related equipment — Test method for angle resolved scattering	C	ISO 22418:2020	fr	Intelligent transport systems — Fast service announcement protocol (FSAP) for general purposes in ITS	G

TC 207		Environmental management					
ISO 14009:2020	en fr	Environmental management systems — Guidelines for incorporating material circulation in design and development	F				
ISO 14033:2019	es	Environmental management — Quantitative environmental information — Guidelines and examples	G				
ISO 14063:2020	es	Environmental management — Environmental communication — Guidelines and examples	E				
ISO 14065:2020	en fr	General principles and requirements for bodies validating and verifying environmental information	E				
TC 211		Geographic information/ Geomatics					
ISO 19161-1:2020	fr	Geographic information — Geodetic references — Part 1: International terrestrial reference system (ITRS)	C				
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				
TC 221		Geosynthetics					
ISO 12958-1:2020	fr	Geotextiles and geotextile-related products — Determination of water flow capacity in their plane — Part 1: Index test	C				
TC 228		Tourism and related services					
ISO 22525:2020	en	Tourism and related services — Medical tourism — Service requirements	D				
TC 234		Fisheries and aquaculture					
ISO 22948:2020	en	Carbon footprint for seafood — Product category rules (CFP-PCR) for finfish	E				
TC 238		Solid biofuels					
ISO/TS 20049-2:2020	en fr	Solid biofuels — Determination of self-heating of pelletized biofuels — Part 2: Basket heating tests	D				
TC 249		Traditional Chinese medicine					
ISO/TS 23030:2020	en	Traditional Chinese medicine — Clinical document specification for prescription of traditional Chinese medicine decoction pieces	B				
TC 255		Biogas					
ISO 23590:2020	en fr	Household biogas system requirements: design, installation, operation, maintenance and safety	C				
TC 258		Project, programme and portfolio management					
ISO 21502:2020	en	Project, programme and portfolio management — Guidance on project management	G				
TC 268		Sustainable cities and communities					
ISO/TS 37107:2019	fr	Sustainable cities and communities — Maturity model for smart sustainable communities	F				
TC 281		Fine bubble technology					
ISO 20304-1:2020	en	Fine bubble technology — Water treatment applications — Part 1: Test method for evaluating ozone fine bubble water generating systems by the decolorization of methylene blue	C				
TC 282		Water reuse					
ISO 23070:2020	en	Water Reuse in Urban Areas — Guidelines for reclaimed water treatment: Design principles of a RO treatment system of municipal wastewater	D				
TC 283		Occupational health and safety management					
ISO/PAS 45005:2020	en	Occupational health and safety management — General guidelines for safe working during the COVID-19 pandemic	F				
TC 296		Bamboo and rattan					
ISO 21626-1:2020	en	Bamboo charcoal — Part 1: Generalities	B				
ISO 21626-2:2020	en	Bamboo charcoal — Part 2: Fuel applications	A				
ISO 21626-3:2020	en	Bamboo charcoal — Part 3: Purification applications	A				
TC 300		Solid recovered materials, including solid recovered fuels					
ISO 21637:2020	en fr	Solid recovered fuels — Vocabulary	A				
TC 307		Blockchain and distributed ledger technologies					
ISO/TR 23576:2020	en	Blockchain and distributed ledger technologies — Security management of digital asset custodians	E				
TC 310		Child care articles					
ISO 31110:2020	en	Wheeled child conveyances — Push-chairs and prams — Requirements and test methods	H				
JTC 1		Information technology					
ISO/IEC 5230:2020	en	Information technology — Open-Chain Specification	B				
ISO/IEC 10646:2020	en	Information technology — Universal coded character set (UCS)	H				
ISO/IEC 14651:2020	en fr	Information technology — International string ordering and comparison — Method for comparing character strings and description of the common template tailorable ordering	G				

ISO/IEC 9594-1:2020	en	Information technology — Open systems interconnection — Part 1: The Directory: Overview of concepts, models and services	D	ISO/IEC 14496-15:2019/Amd 1:2020	en	Information technology — Coding of audio-visual objects — Part 15: Carriage of network abstraction layer (NAL) unit structured video in the ISO base media file format — Amendment 1: Improved support for tiling and layering	XZ
ISO/IEC 9594-3:2020	en	Information technology — Open systems interconnection — Part 3: The Directory: Abstract service definition	H	ISO/IEC TR 23008-13:2020	en	Information technology — High efficiency coding and media delivery in heterogeneous environments — Part 13: MMT implementation guidance	H
ISO/IEC 9594-4:2020	en	Information technology — Open systems interconnection — Part 4: The Directory: Procedures for distributed operation	H	ISO/IEC 23090-8:2020	en	Information technology — Coded representation of immersive media — Part 8: Network based media processing	H
ISO/IEC 9594-5:2020	en	Information technology — Open systems interconnection — Part 5: The Directory: Protocol specifications	H	ISO/IEC 29158:2020	en	Information technology — Automatic identification and data capture techniques — Direct Part Mark (DPM) Quality Guideline	E
ISO/IEC 9594-6:2020	en	Information technology — Open systems interconnection — Part 6: The Directory: Selected attribute types	H	ISO/IEC 29160:2020	en	Information technology — Radio frequency identification for item management — RFID Emblem	C
ISO/IEC 9594-7:2020	en	Information technology — Open systems interconnection — Part 7: The Directory: Selected object classes	E	ISO/IEC TR 10036:2020	en	Information technology — Font information interchange — Registered glyph identifiers	A
ISO/IEC 9594-8:2020	en	Information technology — Open systems interconnection — Part 8: The Directory: Public-key and attribute certificate frameworks	H	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 9594-9:2020	en	Information technology — Open systems interconnection — Part 9: The Directory: Replication	F	ISO/IEC 30161:2020	en	Internet of Things (IoT) — Requirements of IoT data exchange platform for various IoT services	E
ISO/IEC 9594-11:2020	en	Information technology — Open systems interconnection directory — Part 11: Protocol specifications for secure operations	BA				
ISO/IEC 23531:2020	en	Systems and software engineering — Capabilities of issue management tools	F				
ISO/IEC 14882:2020	en	Programming languages — C++	H				
ISO/IEC 18032:2020	en	Information security — Prime number generation	E				
ISO/IEC 20897-1:2020	en	Information security, cybersecurity and privacy protection — Physically unclonable functions — Part 1: Security requirements	C				
ISO/IEC 27014:2020	en	Information security, cybersecurity and privacy protection — Governance of information security	C				
ISO/IEC TS 27100:2020	en	Information technology — Cybersecurity — Overview and concepts	C				
ISO/IEC 14496-10:2020	en	Information technology — Coding of audio-visual objects — Part 10: Advanced video coding	H				
ISO/IEC 14496-12:2020	en	Information technology — Coding of audio-visual objects — Part 12: ISO base media file format	H				

## Standards confirmed

The following International Standards are confirmed for a five year period:

TC 1	Screw threads
ISO 263:1973	(reconfirmed)
TC 4	Rolling bearings
ISO 104:2015	
TC 5	Ferrous metal pipes and metallic fittings
ISO 3419:1981	(reconfirmed)
TC 10	Technical product documentation
ISO 9177-2:1989	(reconfirmed)
ISO 9177-3:1994	(reconfirmed)
ISO 9180:1988	(reconfirmed)
ISO 9961:1992	(reconfirmed)
ISO 9962-1:1992	(reconfirmed)
ISO 9962-2:1992	(reconfirmed)
ISO 12757-2:1998	(reconfirmed)
ISO 14145-2:1998	(reconfirmed)
TC 14	Shafts for machinery and accessories

ISO 14:1982	(reconfirmed)	ISO/TR	(reconfirmed)
TC 17	Steel	12591:2013	
ISO 19272:2015		ISO 17604:2015	
TC 20	Aircraft and space vehicles	ISO 18743:2015	
ISO 16164:2015		TC 35	Paints and varnishes
TC 22	Road vehicles	ISO 8501-3:2006	(reconfirmed)
ISO 4020:2001	(reconfirmed)	TC 38	Textiles
ISO 7299-1:2007	(reconfirmed)	ISO 1833-24:2010	(reconfirmed)
ISO 9817:1991	(reconfirmed)	ISO 105-A01:2010	(reconfirmed)
ISO 9818:1991	(reconfirmed)	ISO 105-C06:2010	(reconfirmed)
ISO 10054:1998	(reconfirmed)	ISO 105-C08:2010	(reconfirmed)
ISO 10521-1:2006	(reconfirmed)	ISO 105-D01:2010	(reconfirmed)
ISO 10521-2:2006	(reconfirmed)	ISO 105-E03:2010	(reconfirmed)
ISO/TS	(reconfirmed)	ISO 105-E07:2010	(reconfirmed)
11155-1:2001		ISO 105-E09:2010	(reconfirmed)
ISO 13556:1998	(reconfirmed)	ISO 105-E12:2010	(reconfirmed)
ISO 16247:2004	(reconfirmed)	ISO 105-X14:1994	(reconfirmed)
ISO/TS	(reconfirmed)	TC 39	Machine tools
19713-1:2010		ISO 19719:2010	(reconfirmed)
ISO/TS	(reconfirmed)	TC 44	Welding and allied processes
19713-2:2010		ISO 6848:2015	
ISO 3537:2015		ISO 17533:2015	
TC 23	Tractors and machinery for agriculture and forestry	TC 46	Information and documentation
ISO 4002-2:1977	(reconfirmed)	ISO 214:1976	(reconfirmed)
ISO 5678:1993	(reconfirmed)	ISO 843:1997	(reconfirmed)
ISO 5679:1979	(reconfirmed)	ISO 2145:1978	(reconfirmed)
ISO 8088:1994	(reconfirmed)	ISO 7154:1983	(reconfirmed)
ISO 8910:1993	(reconfirmed)	ISO 9984:1996	(reconfirmed)
ISO 8947:1993	(reconfirmed)	ISO 2146:2010	(reconfirmed)
ISO 13861:2000	(reconfirmed)	ISO 10957:2009	(reconfirmed)
ISO 13862:2000	(reconfirmed)	TC 48	Laboratory equipment
ISO 17591:2002	(reconfirmed)	ISO 7884-2:1987	(reconfirmed)
TC 28	Petroleum and related products, fuels and lubricants from natural or synthetic sources	ISO 7884-3:1987	(reconfirmed)
ISO 4263-2:2003	(reconfirmed)	ISO 7884-4:1987	(reconfirmed)
ISO 4263-3:2015		ISO 7884-5:1987	(reconfirmed)
ISO 4263-4:2006	(reconfirmed)	ISO 7884-6:1987	(reconfirmed)
ISO 6743-4:2015		ISO 7884-7:1987	(reconfirmed)
TC 29	Small tools	ISO 7884-8:1987	(reconfirmed)
ISO 6753-1:2005	(reconfirmed)	ISO 7991:1987	(reconfirmed)
ISO 16915:2003	(reconfirmed)	ISO 10136-1:1993	(reconfirmed)
ISO 839-1:2006	(reconfirmed)	ISO 10136-2:1993	(reconfirmed)
ISO 3936:1993	(reconfirmed)	ISO 10136-3:1993	(reconfirmed)
ISO 5413:1993	(reconfirmed)	ISO 10136-4:1993	(reconfirmed)
ISO 5967:1981	(reconfirmed)	ISO 10136-5:1993	(reconfirmed)
ISO 10889-1:2004	(reconfirmed)	ISO 10136-6:1993	(reconfirmed)
ISO 10889-8:1997	(reconfirmed)	TC 58	Gas cylinders
ISO 15488:2003	(reconfirmed)	ISO 14456:2015	
TC 30	Measurement of fluid flow in closed conduits	TC 70	Internal combustion engines
ISO 2186:2007	(reconfirmed)	ISO 8178-7:2015	
TC 34	Food products	ISO 8178-8:2015	
ISO 10519:2015		TC 74	Cement and lime
ISO 10932:2010	(reconfirmed)	ISO 29581-2:2010	(reconfirmed)
		TC 82	Mining
		ISO 610:1990	(reconfirmed)
		ISO 1082:1990	(reconfirmed)

ISO 5612:1990	(reconfirmed)	TC 127	Earth-moving machinery
ISO 5613:1984	(reconfirmed)	ISO 9533:2010	(reconfirmed)
TC 83	Sports and other recreational facilities and equipment	ISO 10262:1998	(reconfirmed)
ISO 8783:2015		ISO 6011:2003	(reconfirmed)
ISO 11110:2015		TC 130	Graphic technology
TC 85	Nuclear energy, nuclear technologies, and radiological protection	ISO 14861:2015	
ISO 12749-3:2015		TC 131	Fluid power systems
ISO 12749-4:2015		ISO 6432:2015	
ISO/ASTM 51026:2015		ISO 1179-4:2007	(reconfirmed)
ISO/ASTM 51900:2009	(reconfirmed)	ISO 6149-2:2006	(reconfirmed)
ISO/ASTM 52303:2015		ISO 6149-3:2006	(reconfirmed)
ISO 17874-1:2010	(reconfirmed)	ISO/TS 11672:2016	
ISO 17874-5:2007	(reconfirmed)	ISO 12151-4:2007	(reconfirmed)
TC 86	Refrigeration and air-conditioning	ISO 15171-1:1999	(reconfirmed)
ISO 13261-1:1998	(reconfirmed)	TC 135	Non-destructive testing
ISO 13261-2:1998	(reconfirmed)	ISO 7963:2006	(reconfirmed)
TC 89	Wood-based panels	TC 138	Plastics pipes, fittings and valves for the transport of fluids
ISO 3340:1976	(reconfirmed)	ISO 18488:2015	
TC 92	Fire safety	ISO 18489:2015	
ISO 6944-2:2009	(reconfirmed)	TC 142	Cleaning equipment for air and other gases
ISO 12472:2003	(reconfirmed)	ISO 15957:2015	
TC 94	Personal safety -- Personal protective equipment	TC 146	Air quality
ISO 11612:2015		ISO 16258-1:2015	
ISO 12127-1:2015		ISO 16258-2:2015	
ISO 14116:2015		TC 147	Water quality
TC 96	Cranes	ISO/TS 15923-2:2017	
ISO 17096:2015		ISO 18191:2015	
TC 106	Dentistry	ISO 29441:2010	(reconfirmed)
ISO 13397-5:2015		ISO 19458:2006	(reconfirmed)
ISO 17937:2015		ISO 9439:1999	(reconfirmed)
TC 107	Metallic and other inorganic coatings	ISO 9888:1999	(reconfirmed)
ISO 2746:2015		ISO 10707:1994	(reconfirmed)
TC 115	Pumps	ISO 12890:1999	(reconfirmed)
ISO 14847:1999	(reconfirmed)	ISO 14593:1999	(reconfirmed)
TC 118	Compressors and pneumatic tools, machines and equipment	ISO 14669:1999	(reconfirmed)
ISO/TS 17104:2006	(reconfirmed)	ISO 15522:1999	(reconfirmed)
ISO/TS 21108:2005	(reconfirmed)	ISO 17244:2015	
ISO 28927-2:2009	(reconfirmed)	ISO 21427-1:2006	(reconfirmed)
ISO 28927-3:2009	(reconfirmed)	ISO 5667-22:2010	(reconfirmed)
ISO 28927-5:2009	(reconfirmed)	TC 150	Implants for surgery
ISO 28927-6:2009	(reconfirmed)	ISO 20160:2006	(reconfirmed)
ISO 28927-7:2009	(reconfirmed)	TC 154	Processes, data elements and documents in commerce, industry and administration
ISO 28927-9:2009	(reconfirmed)	ISO/TS 20625:2002	(reconfirmed)
ISO 11011:2013		TC 156	Corrosion of metals and alloys
TC 121	Anaesthetic and respiratory equipment	ISO 15329:2006	(reconfirmed)
ISO 5356-1:2015		ISO 16540:2015	
ISO 17510:2015		ISO 17918:2015	
ISO 23747:2015		TC 158	Analysis of gases
		ISO 6142-1:2015	
		TC 159	Ergonomics



ISO 20282-1:2006	(reconfirmed)	ISO 21592:2006	(reconfirmed)
TC 162	Doors, windows and curtain walling	TC 198	Sterilization of health care products
ISO 8271:2005	(reconfirmed)	ISO 14937:2009	(reconfirmed)
TC 163	Thermal performance and energy use in the built environment	TC 199	Safety of machinery
ISO 9972:2015		ISO 13850:2015	
ISO 12567-1:2010	(reconfirmed)	TC 201	Surface chemical analysis
ISO 12968:2010	(reconfirmed)	ISO 15472:2010	(reconfirmed)
ISO 29803:2010	(reconfirmed)	TC 206	Fine ceramics
ISO 29804:2009	(reconfirmed)	ISO 15733:2015	
ISO 8143:2010	(reconfirmed)	ISO 17841:2015	
TC 168	Prosthetics and orthotics	ISO 17859:2015	
ISO 8548-5:2003	(reconfirmed)	ISO 22214:2006	(reconfirmed)
TC 171	Document management applications	ISO 22215:2006	(reconfirmed)
ISO 6196-1:1993	(reconfirmed)	ISO 27448:2009	(reconfirmed)
ISO 6196-2:1993	(reconfirmed)	TC 211	Geographic information/Geomatics
ISO 6196-4:1998	(reconfirmed)	ISO 19135-1:2015	
ISO 6196-8:1998	(reconfirmed)	ISO 19136-2:2015	
ISO 6196-10:1999	(reconfirmed)	TC 213	Dimensional and geometrical product specifications and verification
ISO 10196:2003	(reconfirmed)	ISO 10360-2:2009	(reconfirmed)
ISO 18565:2015		ISO 14253-5:2015	
ISO 19005-1:2005	(reconfirmed)	ISO	(reconfirmed)
TC 172	Optics and photonics	25178-601:2010	
ISO 15227:2000	(reconfirmed)	ISO	(reconfirmed)
TC 182	Geotechnics	25178-602:2010	
ISO 17628:2015		ISO	(reconfirmed)
TC 183	Copper, lead, zinc and nickel ores and concentrates	25178-701:2010	
ISO 9599:2015		TC 219	Floor coverings
TC 184	Automation systems and integration	ISO 9405:2015	
ISO	(reconfirmed)	ISO 11857:1999	(reconfirmed)
10303-31:1994		ISO 16905:2015	
ISO	(reconfirmed)	ISO 24336:2005	(reconfirmed)
10303-207:2001		TC 220	Cryogenic vessels
ISO	(reconfirmed)	ISO 21029-2:2015	
10303-224:2006		TC 221	Geosynthetics
ISO	(reconfirmed)	ISO 10319:2015	
10303-225:1999		TC 226	Materials for the production of primary aluminium
ISO	(reconfirmed)	ISO 20292:2009	(reconfirmed)
10303-518:2014		TC 227	Springs
ISO	(reconfirmed)	ISO 18137:2015	
10303-522:2014		TC 229	Nanotechnologies
ISO	(reconfirmed)	ISO/TS	
13584-31:1999		11888:2017	
ISO 22745-1:2010	(reconfirmed)	ISO/TS	
ISO 22745-2:2010	(reconfirmed)	20477:2017	
ISO	(reconfirmed)	TC 234	Fisheries and aquaculture
22745-11:2010		ISO 16488:2015	
ISO	(reconfirmed)	ISO 16541:2015	
22745-20:2010		TC 260	Human resource management
TC 193	Natural gas	ISO/TS	
ISO 12213-1:2006	(reconfirmed)	30407:2017	
ISO 12213-2:2006	(reconfirmed)	JTC 1	Information technology
TC 195	Building construction machinery and equipment	ISO/IEC	(reconfirmed)
ISO 21873-1:2015		11756:1999	
ISO 17740-1:2015		ISO/IEC	(reconfirmed)
ISO 18652:2005	(reconfirmed)	13210:1999	

ISO/IEC 15851:1999	(reconfirmed)
ISO/IEC 17960:2015	
ISO/IEC 18009:1999	(reconfirmed)
ISO/IEC 17823:2015	
ISO/IEC 29102:2015	
ISO/IEC 26300:2006	(reconfirmed)
ISO/IEC TR 29138-3:2009	

---

## Meeting calendar

---

The meeting calendar is available at  
<https://www.iso.org/meeting-calendar.html>

---

## Standards withdrawn

---

Period from 01 December 2020 to 01 January 2021

TC 20 ISO 9255:2008	Aircraft and space vehicles (replaced by )
TC 43 ISO 10053:1991	Acoustics (replaced by )
TC 61 ISO/TR 10093:2018	Plastics (replaced by ISO 10093:2020)
TC 105 ISO 2532:1974	Steel wire ropes (replaced by )
TC 113 ISO/TS 25377:2007	Hydrometry (replaced by ISO 25377:2020)
TC 188 ISO 8848:1990 ISO 9093-1:1994 ISO 9093-2:2002 ISO 9775:1990 ISO 10133:2012 ISO 15652:2003	Small craft (replaced by ISO 8848:2020, ISO 23411:2020) (replaced by ISO 9093:2020) (replaced by ISO 9093:2020) (replaced by ISO 23411:2020, ISO 8848:2020) (replaced by ISO 13297:2020) (replaced by ISO 23411:2020, ISO 8848:2020)
TC 212 ISO/TS 17822-1:2014	Clinical laboratory testing and in vitro diagnostic test systems (replaced by ISO 17822:2020)
JTC 1 ISO/IEC TR 29123:2007 ISO/IEC TR 29158:2011 ISO/IEC 9070:1991 ISO/IEC 10036:1996 ISO/IEC 10180:1995 ISO/IEC 13240:2001	Information technology (replaced by ) (replaced by ISO/IEC 29158:2020) (replaced by ) (replaced by ISO/IEC TR 10036:2020) (replaced by ) (replaced by )